



## Gas Transportation Management System

### Transportation Network Monthly Report

| Parameters Entered |      |
|--------------------|------|
| Gas Month          | July |
| Gas Year           | 2016 |

#### **DISCLAIMER**

The information contained in the attached Transportation Network Monthly Report and such information as may be issued from time to time by Ervia trading as Gas Networks Ireland ("GNI") ("the Information") is made available on the understanding that the GNI and its employees and agents shall have no liability (including liability by reason of negligence) to the users for any loss, damage, cost or expense incurred or arising by reason of any person using or relying on the Information and whether caused by reason of any error, negligent act, omission or misrepresentation in the Information or otherwise. Furthermore, whilst the Information is considered to be true and correct at the date of publication, changes in circumstances after the time of publication may impact on the accuracy of the Information. The Information may change without notice and the GNI shall not in any way be liable for the accuracy of any information printed and stored or in any way interpreted and used by a user.

# Transportation Network Monthly Report

Month: Jul-2016



## 1. Entry Point Energy/Volume of Gas

|               | Moffat               |                      | PTL                |                     | Isle of Man       |                    | Bellanaboy             |
|---------------|----------------------|----------------------|--------------------|---------------------|-------------------|--------------------|------------------------|
|               | Total kWh            | Total M3             | Total kWh          | Total M3            | Total kWh         | Total M3           | Total kWh              |
| 01/07/2016    | 24,150,046           | 2,064,774.9          | 29,228,360         | 2,498,958.6         | 1,998,781         | 170,891.1          | 103,807,927.0          |
| 02/07/2016    | 37,161,433           | 3,194,029.8          | 26,625,064         | 2,288,427.5         | 1,955,500         | 168,075.8          | 103,686,328.0          |
| 03/07/2016    | 37,271,271           | 3,202,663.4          | 29,344,424         | 2,521,521.0         | 1,820,958         | 156,472.5          | 103,706,325.0          |
| 04/07/2016    | 49,617,812           | 4,266,806.8          | 34,896,782         | 3,000,894.7         | 2,034,000         | 174,910.9          | 103,730,825.0          |
| 05/07/2016    | 105,242,281          | 9,050,146.7          | 34,457,508         | 2,963,119.6         | 1,986,000         | 170,783.1          | 44,621,622.0           |
| 06/07/2016    | 88,718,545           | 7,629,213.8          | 29,878,189         | 2,569,328.3         | 2,069,556         | 177,967.8          | 57,678,971.0           |
| 07/07/2016    | 60,577,828           | 5,187,067.6          | 30,357,194         | 2,599,380.5         | 1,972,514         | 168,899.3          | 103,336,107.0          |
| 08/07/2016    | 39,442,514           | 3,414,174.4          | 31,403,756         | 2,718,333.7         | 1,949,718         | 168,769.5          | 103,259,406.0          |
| 09/07/2016    | 19,873,755           | 1,724,664.2          | 29,185,335         | 2,532,732.0         | 1,887,660         | 163,812.6          | 99,081,239.0           |
| 10/07/2016    | 23,796,929           | 2,064,595.8          | 24,000,395         | 2,082,247.7         | 1,895,680         | 164,467.4          | 75,650,927.0           |
| 11/07/2016    | 41,644,389           | 3,611,184.2          | 24,373,703         | 2,113,560.2         | 1,896,492         | 164,454.1          | 94,230,660.0           |
| 12/07/2016    | 59,733,027           | 5,186,328.5          | 22,078,494         | 1,916,968.3         | 1,705,994         | 148,123.1          | 103,107,198.0          |
| 13/07/2016    | 56,144,697           | 4,878,496.9          | 26,478,236         | 2,300,733.0         | 2,846,627         | 247,347.3          | 103,115,861.0          |
| 14/07/2016    | 64,389,916           | 5,580,721.5          | 29,928,785         | 2,593,949.8         | 2,756,048         | 238,869.1          | 103,785,080.0          |
| 15/07/2016    | 50,540,567           | 4,369,286.9          | 27,364,245         | 2,365,669.2         | 3,148,280         | 272,172.5          | 104,100,927.0          |
| 16/07/2016    | 47,524,461           | 4,111,667.7          | 26,543,416         | 2,296,452.7         | 3,507,827         | 303,486.0          | 103,586,552.0          |
| 17/07/2016    | 38,402,255           | 3,319,916.6          | 28,946,564         | 2,502,461.9         | 2,349,118         | 203,083.9          | 103,618,324.0          |
| 18/07/2016    | 57,528,893           | 4,979,745.1          | 42,740,735         | 3,699,671.1         | 2,861,328         | 247,679.0          | 103,745,383.0          |
| 19/07/2016    | 64,887,482           | 5,632,431.1          | 36,163,269         | 3,139,082.3         | 3,468,965         | 301,117.0          | 103,683,068.0          |
| 20/07/2016    | 59,362,783           | 5,150,249.6          | 32,166,624         | 2,790,740.8         | 2,927,906         | 254,022.2          | 103,847,549.0          |
| 21/07/2016    | 57,406,994           | 4,985,639.2          | 27,735,946         | 2,408,790.7         | 3,533,088         | 306,838.6          | 103,766,454.0          |
| 22/07/2016    | 67,600,885           | 5,873,942.1          | 29,235,749         | 2,540,337.5         | 3,533,272         | 307,011.0          | 89,706,980.0           |
| 23/07/2016    | 50,380,833           | 4,372,097.5          | 20,906,575         | 1,814,293.0         | 3,451,410         | 299,516.5          | 102,605,563.0          |
| 24/07/2016    | 33,278,220           | 2,890,857.5          | 24,126,566         | 2,095,859.0         | 3,475,865         | 301,946.1          | 104,003,335.0          |
| 25/07/2016    | 48,751,059           | 4,226,363.3          | 35,328,508         | 3,062,725.6         | 3,572,266         | 309,689.9          | 96,673,327.0           |
| 26/07/2016    | 45,331,517           | 3,927,917.6          | 31,552,401         | 2,733,974.8         | 3,354,395         | 290,653.6          | 103,685,767.0          |
| 27/07/2016    | 52,190,882           | 4,552,336.7          | 32,316,455         | 2,818,794.4         | 3,293,886         | 287,308.5          | 103,706,712.0          |
| 28/07/2016    | 52,627,463           | 4,610,457.8          | 38,851,046         | 3,403,566.9         | 2,869,947         | 251,422.9          | 102,443,703.0          |
| 29/07/2016    | 58,996,381           | 5,144,629.4          | 35,326,667         | 3,080,571.8         | 3,187,095         | 277,922.6          | 102,190,454.0          |
| 30/07/2016    | 61,510,140           | 5,348,795.5          | 32,794,336         | 2,851,728.3         | 2,200,000         | 191,307.2          | 103,793,971.0          |
| 31/07/2016    | 56,145,664           | 4,892,288.2          | 28,612,008         | 2,493,125.2         | 2,330,764         | 203,092.5          | 103,798,801.0          |
| <b>Totals</b> | <b>1,610,230,922</b> | <b>139,443,490.5</b> | <b>932,947,335</b> | <b>80,798,000.0</b> | <b>81,840,940</b> | <b>7,092,113.2</b> | <b>3,041,755,346.0</b> |

|               | Moffat      |              |
|---------------|-------------|--------------|
|               | kWh         | M3           |
| Month Min     | 19,873,755  | 1,724,664.2  |
| Month Max     | 105,242,281 | 9,050,146.7  |
| Month Average | 51,942,933  | 4,498,177.1  |
| YTD Min       | 19,873,755  | 1,724,664.2  |
| YTD Max       | 167,675,316 | 14,386,340.0 |
| YTD Average   | 89,792,727  | 7,743,106.8  |

Moffat excludes the Isle of Man and Northern Ireland (PTL) flows.

PTL is the Moffat flow for Northern Ireland only.

Isle of Man is the Moffat flow for Isle of Man only.

Currently there are fewer than 3 shippers at Inch. In order to retain Shipper confidentiality, Inch throughput cannot be published.

This situation will be kept under review

# Transportation Network Monthly Report

Month: Jul-2016



## 2. Balancing Actions

|               | Balancing Buy     |                    | Balancing Sell    |                    |
|---------------|-------------------|--------------------|-------------------|--------------------|
|               | kWh               | M3                 | kWh               | M3                 |
| 01/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 02/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 03/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 04/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 05/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 06/07/2016    | 10,000,000        | 859,947.0          | 0                 | 0.0                |
| 07/07/2016    | 10,000,000        | 856,251.4          | 0                 | 0.0                |
| 08/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 09/07/2016    | 0                 | 0.0                | 5,000,000         | 433,906.0          |
| 10/07/2016    | 0                 | 0.0                | 5,000,000         | 433,811.3          |
| 11/07/2016    | 0                 | 0.0                | 5,000,000         | 433,527.0          |
| 12/07/2016    | 0                 | 0.0                | 5,000,000         | 434,095.6          |
| 13/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 14/07/2016    | 0                 | 0.0                | 10,000,000        | 866,675.0          |
| 15/07/2016    | 0                 | 0.0                | 10,000,000        | 864,495.5          |
| 16/07/2016    | 0                 | 0.0                | 5,000,000         | 432,579.4          |
| 17/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 18/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 19/07/2016    | 0                 | 0.0                | 5,000,000         | 434,000.8          |
| 20/07/2016    | 0                 | 0.0                | 5,000,000         | 433,811.3          |
| 21/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 22/07/2016    | 0                 | 0.0                | 5,000,000         | 434,474.6          |
| 23/07/2016    | 0                 | 0.0                | 5,000,000         | 433,906.0          |
| 24/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 25/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 26/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 27/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 28/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 29/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 30/07/2016    | 0                 | 0.0                | 0                 | 0.0                |
| 31/07/2016    | 0                 | 0.0                | 5,000,000         | 435,706.5          |
| <b>Totals</b> | <b>20,000,000</b> | <b>1,716,198.4</b> | <b>70,000,000</b> | <b>6,070,989.0</b> |

Balancing and Buy and Sell is measured in Energy. Conversion to Volume has been carried out for indicative purposes only using the Average Daily CV at Beattock

Transportation Network Monthly Report

Month: Jul-2016



3. Imbalance Price (Excluding Northern Ireland's Flows)

|   |          |
|---|----------|
| Balancing Transportation Cost €/kWh                                 | 0.055768 |
| Applicable Second Tier Positive Imbalance Multiplier for this Month | 0.95     |
| Applicable Second Tier Negative Imbalance Multiplier for this Month | 1.05     |

|            | System Marginal Price €/kWh |          | System Average Price €/kWh | First Tier Price €/kWh |          | Second Tier Price €/kWh |          |
|------------|-----------------------------|----------|----------------------------|------------------------|----------|-------------------------|----------|
|            | Buy                         | Sell     |                            | Buy                    | Sell     | Buy                     | Sell     |
| 01/07/2016 | 1.427770                    | 1.332961 | 1.378023                   | 1.405583               | 1.350463 | 1.502692                | 1.253354 |
| 02/07/2016 | 1.402896                    | 1.309419 | 1.354481                   | 1.381571               | 1.327391 | 1.477973                | 1.230989 |
| 03/07/2016 | 1.407187                    | 1.313700 | 1.358762                   | 1.385937               | 1.331587 | 1.482468                | 1.235056 |
| 04/07/2016 | 1.418271                    | 1.257699 | 1.369819                   | 1.397215               | 1.342423 | 1.494078                | 1.201931 |
| 05/07/2016 | 1.428286                    | 1.353292 | 1.398355                   | 1.426322               | 1.370388 | 1.524041                | 1.272669 |
| 06/07/2016 | 1.414537                    | 1.344494 | 1.389556                   | 1.417347               | 1.361765 | 1.514802                | 1.264310 |
| 07/07/2016 | 1.400246                    | 1.318455 | 1.371484                   | 1.398914               | 1.344054 | 1.495826                | 1.247142 |
| 08/07/2016 | 1.367033                    | 1.295389 | 1.340452                   | 1.367261               | 1.313643 | 1.463243                | 1.217661 |
| 09/07/2016 | 1.389474                    | 1.315721 | 1.360783                   | 1.387999               | 1.333567 | 1.484590                | 1.236976 |
| 10/07/2016 | 1.377487                    | 1.303593 | 1.348655                   | 1.375628               | 1.321682 | 1.471856                | 1.225454 |
| 11/07/2016 | 1.379368                    | 1.305496 | 1.350558                   | 1.377569               | 1.323547 | 1.473854                | 1.227262 |
| 12/07/2016 | 1.452507                    | 1.365301 | 1.410363                   | 1.438570               | 1.382156 | 1.536649                | 1.284077 |
| 13/07/2016 | 1.413344                    | 1.311322 | 1.356384                   | 1.383512               | 1.329256 | 1.479971                | 1.232797 |
| 14/07/2016 | 1.390213                    | 1.286948 | 1.332010                   | 1.358650               | 1.305370 | 1.454379                | 1.209641 |
| 15/07/2016 | 1.411228                    | 1.307160 | 1.352222                   | 1.379266               | 1.325178 | 1.475601                | 1.228843 |
| 16/07/2016 | 1.392074                    | 1.289801 | 1.334863                   | 1.361560               | 1.308166 | 1.457374                | 1.212352 |
| 17/07/2016 | 1.391234                    | 1.288969 | 1.334031                   | 1.360712               | 1.307350 | 1.456501                | 1.211561 |
| 18/07/2016 | 1.414263                    | 1.311797 | 1.356859                   | 1.383996               | 1.329722 | 1.480470                | 1.233248 |
| 19/07/2016 | 1.436569                    | 1.343781 | 1.388843                   | 1.416620               | 1.361066 | 1.514053                | 1.263633 |
| 20/07/2016 | 1.475032                    | 1.376121 | 1.421183                   | 1.449607               | 1.392759 | 1.548010                | 1.294356 |
| 21/07/2016 | 1.505712                    | 1.406440 | 1.451502                   | 1.480532               | 1.422472 | 1.579845                | 1.323159 |
| 22/07/2016 | 1.582133                    | 1.462916 | 1.507978                   | 1.538138               | 1.477818 | 1.639145                | 1.376811 |
| 23/07/2016 | 1.528984                    | 1.430933 | 1.475995                   | 1.505515               | 1.446475 | 1.605563                | 1.346427 |
| 24/07/2016 | 1.519900                    | 1.421896 | 1.466959                   | 1.496298               | 1.437620 | 1.596075                | 1.337843 |
| 25/07/2016 | 1.544521                    | 1.446389 | 1.491451                   | 1.521280               | 1.461622 | 1.621792                | 1.361110 |
| 26/07/2016 | 1.513678                    | 1.416427 | 1.461489                   | 1.490719               | 1.432259 | 1.590331                | 1.332647 |
| 27/07/2016 | 1.487451                    | 1.393242 | 1.438304                   | 1.467070               | 1.409538 | 1.565987                | 1.310621 |
| 28/07/2016 | 1.450961                    | 1.362804 | 1.407866                   | 1.436023               | 1.379709 | 1.534027                | 1.281705 |
| 29/07/2016 | 1.427488                    | 1.342354 | 1.387416                   | 1.415164               | 1.359668 | 1.512555                | 1.262277 |
| 30/07/2016 | 1.435060                    | 1.352341 | 1.397403                   | 1.425351               | 1.369455 | 1.523041                | 1.271765 |
| 31/07/2016 | 1.446889                    | 1.364231 | 1.409293                   | 1.437479               | 1.381107 | 1.535526                | 1.283060 |

|            | Total First Tier Cost € |             | Total Second Tier Cost € |              |
|------------|-------------------------|-------------|--------------------------|--------------|
|            | Buy                     | Sell        | Buy                      | Sell         |
| 01/07/2016 | 424.97                  | (36,054.93) | 208.86                   | (69,346.06)  |
| 02/07/2016 | 29,557.08               | (21,237.41) | 0.00                     | (933.46)     |
| 03/07/2016 | 3,455.72                | (10,715.27) | 348.53                   | (7,452.50)   |
| 04/07/2016 | 11,339.59               | (10,999.58) | 1,116.88                 | (418.35)     |
| 05/07/2016 | 10,978.93               | (10,429.01) | 0.00                     | (385.57)     |
| 06/07/2016 | 11,742.35               | (4,633.70)  | 0.00                     | 0.00         |
| 07/07/2016 | 2,848.56                | (36,706.75) | 0.00                     | (1,797.81)   |
| 08/07/2016 | 10,689.86               | (20,489.13) | 51.02                    | (1,388.22)   |
| 09/07/2016 | 4,976.47                | (77,201.60) | 146.23                   | (126,942.87) |
| 10/07/2016 | 1,670.92                | (32,306.96) | 241.53                   | (2,083.12)   |
| 11/07/2016 | 4,181.51                | (7,929.68)  | 0.00                     | (697.38)     |
| 12/07/2016 | 10,647.64               | (14,360.06) | 2,774.11                 | 0.00         |
| 13/07/2016 | 9,534.47                | (6,676.27)  | 25.91                    | 0.00         |
| 14/07/2016 | 15,468.26               | (17,543.98) | 54.20                    | 0.00         |
| 15/07/2016 | 11,585.64               | (26,115.93) | 102.75                   | (283.29)     |
| 16/07/2016 | 3,353.09                | (16,833.00) | 0.00                     | (5,256.28)   |
| 17/07/2016 | 84.11                   | (19,003.28) | 0.00                     | (7,428.13)   |
| 18/07/2016 | 1,106.77                | (26,568.62) | 0.00                     | 0.00         |
| 19/07/2016 | 22,176.59               | (15,172.94) | 1,435.58                 | 0.00         |
| 20/07/2016 | 11,831.83               | (14,254.86) | 1,145.11                 | 0.00         |
| 21/07/2016 | 12,811.73               | (8,693.05)  | 1,313.33                 | 0.00         |
| 22/07/2016 | 5,105.54                | (9,976.25)  | 972.41                   | 0.00         |
| 23/07/2016 | 1,428.86                | (14,224.56) | 334.10                   | (308.60)     |
| 24/07/2016 | 3,242.57                | (20,294.65) | 254.17                   | (9,205.31)   |
| 25/07/2016 | 2,903.41                | (21,055.89) | 759.75                   | (2,886.06)   |
| 26/07/2016 | 71.88                   | (20,749.12) | 605.53                   | (536.88)     |
| 27/07/2016 | 3,421.08                | (24,258.84) | 0.00                     | (1,631.20)   |
| 28/07/2016 | 3,901.58                | (47,544.44) | 0.00                     | (1,913.98)   |
| 29/07/2016 | 4,449.85                | (17,999.06) | 0.00                     | (228.36)     |
| 30/07/2016 | 1,267.08                | (30,090.75) | 0.00                     | (44,528.29)  |
| 31/07/2016 | 5,593.89                | (18,404.71) | 0.00                     | (7,714.70)   |

First tier Buy/Sell Price = System Average price

Second Tier Sell Price = LOWER OF (System Marginal Sell Price - Balancing Transportation Cost) AND (Applicable Second Tier Positive Imbalance for this Month of the First Tier Sell price - Balancing Transportation Cost)

Second Tier Buy Price = HIGHER OF (System Marginal Buy Price - Balancing Transportation Cost) AND (Applicable Second Tier Negative Imbalance for this Month of the First Tier Buy price - Balancing Transportation Cost)

## Transportation Network Monthly Report

Month: Jul-2016



### 4. Gas Consumption by Market Sector

|               | LDM Sector<br>kWh    | DM Sector<br>kWh   | NDM Sector<br>kWh  |
|---------------|----------------------|--------------------|--------------------|
| 01/07/2016    | 109,109,674          | 6,959,270          | 14,939,316         |
| 02/07/2016    | 127,451,291          | 5,379,125          | 12,556,761         |
| 03/07/2016    | 131,681,092          | 5,009,297          | 10,140,984         |
| 04/07/2016    | 144,727,753          | 7,048,705          | 11,652,142         |
| 05/07/2016    | 157,689,482          | 7,240,886          | 11,273,306         |
| 06/07/2016    | 145,728,113          | 7,142,972          | 12,022,284         |
| 07/07/2016    | 143,653,051          | 6,894,377          | 10,592,972         |
| 08/07/2016    | 129,956,143          | 6,526,290          | 10,211,734         |
| 09/07/2016    | 107,378,819          | 5,157,880          | 8,987,372          |
| 10/07/2016    | 100,877,737          | 5,018,289          | 9,141,960          |
| 11/07/2016    | 125,448,030          | 6,515,410          | 10,735,601         |
| 12/07/2016    | 145,272,171          | 6,753,863          | 11,616,989         |
| 13/07/2016    | 146,560,117          | 6,622,622          | 12,345,451         |
| 14/07/2016    | 157,920,939          | 6,867,410          | 11,952,702         |
| 15/07/2016    | 142,124,091          | 6,329,664          | 10,220,105         |
| 16/07/2016    | 142,268,825          | 4,921,874          | 8,160,634          |
| 17/07/2016    | 133,080,836          | 4,408,194          | 7,439,274          |
| 18/07/2016    | 163,954,982          | 5,994,095          | 7,970,690          |
| 19/07/2016    | 167,262,677          | 6,042,728          | 7,040,132          |
| 20/07/2016    | 154,957,270          | 6,311,001          | 7,913,259          |
| 21/07/2016    | 150,749,777          | 6,239,574          | 8,553,515          |
| 22/07/2016    | 155,809,843          | 5,928,862          | 9,163,633          |
| 23/07/2016    | 140,246,090          | 4,737,843          | 8,416,872          |
| 24/07/2016    | 124,620,795          | 4,384,186          | 8,347,376          |
| 25/07/2016    | 148,334,207          | 5,993,728          | 10,043,124         |
| 26/07/2016    | 145,995,230          | 6,154,593          | 9,851,662          |
| 27/07/2016    | 154,260,933          | 6,054,198          | 9,756,202          |
| 28/07/2016    | 162,552,187          | 6,045,376          | 9,202,093          |
| 29/07/2016    | 166,222,013          | 6,170,777          | 9,593,306          |
| 30/07/2016    | 161,629,146          | 4,857,583          | 8,782,392          |
| 31/07/2016    | 148,475,809          | 4,256,200          | 8,546,557          |
| <b>Totals</b> | <b>4,435,999,123</b> | <b>183,966,872</b> | <b>307,170,400</b> |

|                        |                      |                    |                    |
|------------------------|----------------------|--------------------|--------------------|
| <b>Cleansed Totals</b> | <b>4,435,979,465</b> | <b>185,855,295</b> | <b>305,064,827</b> |
|------------------------|----------------------|--------------------|--------------------|

### Physical Daily Totals Analysis

|                   | LDM Sector<br>kWh | DM Sector<br>kWh | NDM Sector<br>kWh |
|-------------------|-------------------|------------------|-------------------|
| Month Min         | 100,877,737       | 4,256,200        | 7,040,132         |
| Month Max         | 167,262,677       | 7,240,886        | 14,939,316        |
| Month Average     | 143,096,746       | 5,934,415        | 9,908,723         |
| YTD Min           | 95,646,619        | 4,256,200        | 7,040,132         |
| YTD Max           | 200,629,057       | 11,405,851       | 71,453,307        |
| YTD Average       | 147,925,791       | 8,097,065        | 34,234,339        |
| YTD Rolling Total | 45,117,366,324    | 2,469,604,846    | 10,441,473,453    |

### Cleansed monthly Totals Analysis

|                   | LDM Sector<br>kWh | DM Sector<br>kWh | NDM Sector<br>kWh |
|-------------------|-------------------|------------------|-------------------|
| YTD Min           | 3,885,125,083     | 185,855,295      | 305,064,827       |
| YTD Max           | 4,826,378,072     | 288,055,274      | 1,724,663,102     |
| YTD Average       | 4,511,615,640     | 247,589,276      | 1,051,273,489     |
| YTD Rolling Total | 45,116,156,396    | 2,475,892,761    | 10,512,734,892    |

The LDM value includes the off take at Twynholm (PTL) and Glen Mooar (Isle of Man)

# Transportation Network Monthly Report

Month: Jul-2016



## 5. Gas Quality

|            | Ballygarraun<br>AGI - Supply to<br>Galway<br>(kWh/Nm3) | Ballyveelish<br>AGI - Supply to<br>Clonmel<br>(kWh/Nm3) | Barnakyle AGI -<br>Supply to Adare<br>(kWh/Nm3) | Caherlag AGI -<br>Supply to Cork<br>& Ballincollig<br>(kWh/Nm3) | Curraleigh<br>West<br>(kWh/Nm3) | Dublin City<br>(kWh/Nm3) | Gormanston -<br>Node<br>(kWh/Nm3) | Ories AGI -<br>Supply to<br>Athlone<br>(kWh/Nm3) | Springhill AGI -<br>Supply to<br>Carlow<br>(kWh/Nm3) |
|------------|--|---|---|---|---------------------------------|--------------------------|-----------------------------------|--|--|
| 01/07/2016 | 11.03  | 11.03   | 11.00   | 11.02   | 11.04                           | 11.05                    | 11.06                             | 10.80  | 11.04  |
| 02/07/2016 | 11.04  | 11.03   | 11.07   | 11.02   | 11.04                           | 11.02                    | 11.02                             | 10.86  | 11.05  |
| 03/07/2016 | 11.02  | 11.03   | 11.07   | 11.01   | 11.04                           | 11.02                    | 10.67                             | 10.75  | 11.02  |
| 04/07/2016 | 11.03  | 11.02   | 11.09   | 11.03   | 11.04                           | 11.03                    | 11.62                             | 11.04  | 11.04  |
| 05/07/2016 | 11.04  | 11.03   | 10.90   | 11.00   | 11.04                           | 11.09                    | 11.60                             | 11.04  | 11.02  |
| 06/07/2016 | 11.03  | 11.34   | 11.14   | 11.04   | 11.04                           | 11.60                    | 11.62                             | 11.25  | 11.19  |
| 07/07/2016 | 11.03  | 11.62   | 10.92   | 11.01   | 11.04                           | 11.61                    | 11.62                             | 11.02  | 11.63  |
| 08/07/2016 | 11.03  | 11.29   | 11.18   | 11.07   | 11.04                           | 11.23                    | 11.51                             | 11.15  | 11.54  |
| 09/07/2016 | 11.04  | 11.04   | 10.85   | 11.02   | 11.04                           | 11.03                    | 11.03                             | 10.89  | 11.03  |
| 10/07/2016 | 11.02  | 11.14   | 11.07   | 11.02   | 11.04                           | 11.03                    | 11.03                             | 11.12  | 11.04  |
| 11/07/2016 | 11.03  | 11.03   | 11.11   | 11.02   | 11.04                           | 11.04                    | 11.60                             | 10.97  | 11.03  |
| 12/07/2016 | 11.04  | 11.02   | 10.88   | 11.01   | 11.04                           | 11.11                    | 11.11                             | 11.03  | 11.04  |
| 13/07/2016 | 11.03  | 11.04   | 11.05   | 11.05   | 11.04                           | 11.21                    | 11.03                             | 11.02  | 11.10  |
| 14/07/2016 | 11.02  | 11.16   | 11.07   | 11.00   | 11.04                           | 11.21                    | 11.63                             | 11.10  | 11.19  |
| 15/07/2016 | 11.04  | 11.03   | 10.98   | 11.02   | 11.04                           | 11.19                    | 11.04                             | 10.99  | 11.20  |
| 16/07/2016 | 11.03  | 11.02   | 11.00   | 11.03   | 11.04                           | 11.03                    | 11.60                             | 10.97  | 11.10  |
| 17/07/2016 | 11.03  | 11.02   | 11.07   | 11.01   | 11.04                           | 11.08                    | 11.67                             | 11.10  | 11.05  |
| 18/07/2016 | 11.03  | 11.03   | 11.13   | 11.02   | 11.04                           | 11.14                    | 11.62                             | 11.07  | 11.04  |
| 19/07/2016 | 11.02  | 11.07   | 11.17   | 11.01   | 11.04                           | 11.08                    | 11.60                             | 10.99  | 11.08  |
| 20/07/2016 | 11.04  | 11.11   | 10.83   | 11.04   | 11.04                           | 11.15                    | 11.52                             | 11.01  | 11.12  |
| 21/07/2016 | 11.03  | 11.16   | 11.14   | 11.02   | 11.04                           | 11.10                    | 11.55                             | 11.03  | 11.08  |
| 22/07/2016 | 11.03  | 11.12   | 10.82   | 11.03   | 11.04                           | 11.23                    | 11.53                             | 11.09  | 11.12  |
| 23/07/2016 | 11.03  | 11.23   | 11.18   | 11.04   | 11.04                           | 11.38                    | 11.94                             | 11.00  | 11.20  |
| 24/07/2016 | 11.03  | 11.14   | 10.95   | 11.04   | 11.04                           | 11.18                    | 11.56                             | 11.02  | 11.17  |
| 25/07/2016 | 11.03  | 11.03   | 11.19   | 11.02   | 11.04                           | 11.13                    | 11.56                             | 11.00  | 11.04  |
| 26/07/2016 | 11.04  | 11.03   | 10.83   | 11.03   | 11.04                           | 11.12                    | 11.54                             | 11.01  | 11.05  |
| 27/07/2016 | 11.03  | 11.02   | 11.18   | 11.01   | 11.04                           | 11.16                    | 11.51                             | 11.11  | 11.09  |
| 28/07/2016 | 11.03  | 11.06   | 11.07   | 11.04   | 11.04                           | 11.13                    | 11.52                             | 10.99  | 11.09  |
| 29/07/2016 | 11.03  | 11.13   | 10.96   | 11.00   | 11.04                           | 11.16                    | 11.50                             | 11.00  | 11.08  |
| 30/07/2016 | 11.03  | 11.17   | 10.91   | 11.06   | 11.04                           | 11.17                    | 11.49                             | 11.04  | 11.13  |
| 31/07/2016 | 11.03  | 11.14   | 11.17   | 11.07   | 11.04                           | 11.16                    | 11.44                             | 11.01  | 11.13  |

# Transportation Network Monthly Report

Month: Jul-2016



## 6. Scheduling Charges

| Category | Tolerance | Notes                                  |
|----------|-----------|--|
| Entry    | 3%        | + MDQ versus EODQ.                     |
| LDM Exit | 10%       |  |
| DM Exit  | 20%       |  |
| NDM Exit | 20%       | no charges if nominated as instructed. |

|                     |                               |
|---------------------|-------------------------------|
| Charged Levelled at | 5% of the balancing gas price |
|---------------------|-------------------------------|

# Transportation Network Monthly Report

Month: Jul-2016



## 7. Monthly Shrinkage Total for Transportation

Total Transportation Shrinkage : **49,600,000 kWh**

Transmission Shrinkage % of Entry Throughput was 1.82% for the 12 month period Aug-15 to Jul-16