



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	July
Gas Year	2015

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1. Entry Point Energy/Volume of Gas

	Moffat		PTL		Isle of Man	
	Total kWh	Total M3	Total kWh	Total M3	Total kWh	Total M3
01/07/2015	144,044,271	12,421,305.7	42,177,630	3,637,085.0	2,212,344	190,776.5
02/07/2015	137,858,086	11,930,075.5	45,504,133	3,937,874.0	2,304,014	199,386.4
03/07/2015	110,705,604	9,565,771.8	32,518,442	2,809,830.2	2,276,171	196,678.2
04/07/2015	121,849,684	10,568,856.7	35,434,031	3,073,436.4	2,249,705	195,132.6
05/07/2015	131,304,416	11,374,470.2	28,610,050	2,478,394.7	2,263,268	196,059.4
06/07/2015	112,460,930	9,712,524.8	39,386,820	3,401,585.5	2,440,444	210,765.2
07/07/2015	113,769,852	9,717,324.3	39,811,012	3,400,343.2	2,364,231	201,933.6
08/07/2015	122,106,262	10,492,403.3	28,393,016	2,439,768.7	2,389,177	205,298.5
09/07/2015	126,578,615	10,909,681.8	36,877,061	3,178,396.3	2,340,546	201,728.9
10/07/2015	111,811,440	9,644,224.6	30,255,230	2,609,645.9	2,333,321	201,258.9
11/07/2015	106,603,562	9,137,264.3	25,642,448	2,197,879.5	2,342,884	200,814.4
12/07/2015	112,357,152	9,482,698.6	34,516,547	2,913,121.4	2,304,090	194,459.8
13/07/2015	126,257,260	10,634,789.7	33,290,144	2,804,065.9	2,752,570	231,852.1
14/07/2015	144,896,918	12,219,915.1	36,033,469	3,038,890.7	3,491,814	294,482.8
15/07/2015	144,032,007	12,174,058.8	39,556,039	3,343,406.7	3,489,726	294,963.2
16/07/2015	107,602,087	9,085,877.8	30,360,566	2,563,634.2	3,492,968	294,945.2
17/07/2015	106,388,896	8,985,660.6	26,105,072	2,204,847.3	3,483,815	294,245.0
18/07/2015	112,326,453	9,501,264.0	28,526,040	2,412,908.0	2,336,390	197,626.7
19/07/2015	134,204,814	11,229,358.5	32,523,035	2,721,309.2	2,283,246	191,046.6
20/07/2015	125,213,468	10,500,202.1	32,385,628	2,715,807.4	3,545,245	297,298.1
21/07/2015	150,073,632	12,609,734.0	38,209,542	3,210,504.8	3,472,468	291,769.8
22/07/2015	150,764,747	12,677,170.9	37,580,796	3,160,010.0	3,098,820	260,566.3
23/07/2015	154,653,519	13,026,637.3	34,309,088	2,889,892.9	2,270,846	191,275.9
24/07/2015	140,666,014	11,957,698.1	31,964,391	2,717,220.3	2,291,741	194,816.1
25/07/2015	130,282,301	11,180,876.4	33,760,733	2,897,359.0	2,279,123	195,595.1
26/07/2015	110,091,185	9,450,444.2	24,518,926	2,104,753.2	2,412,187	207,066.7
27/07/2015	123,277,652	10,482,164.5	39,393,187	3,349,559.4	3,306,809	281,174.7
28/07/2015	134,909,354	11,548,917.6	31,013,371	2,654,900.4	3,566,207	305,285.4
29/07/2015	142,307,478	12,280,850.5	29,829,786	2,574,251.1	3,496,145	301,710.2
30/07/2015	155,171,935	13,462,546.6	32,100,521	2,785,005.9	3,505,268	304,113.3
31/07/2015	136,031,975	11,835,093.8	23,845,987	2,074,655.5	3,573,280	310,883.9
Totals	3,980,601,569	339,799,862.2	1,034,432,741	88,300,342.5	85,968,863	7,335,009.6

	Moffat	
	kWh	M3
Month Min	106,388,896	8,985,660.6
Month Max	155,171,935	13,462,546.6
Month Average	128,406,502	10,961,285.9
YTD Min	77,163,477	6,716,825.7
YTD Max	175,477,373	15,105,134.4
YTD Average	125,257,477	10,782,724.3

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

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2. Balancing Actions

	Balancing Buy		Balancing Sell	
	kWh	M3	kWh	M3
01/07/2015	0	0.0	0	0.0
02/07/2015	0	0.0	0	0.0
03/07/2015	0	0.0	0	0.0
04/07/2015	0	0.0	0	0.0
05/07/2015	0	0.0	0	0.0
06/07/2015	0	0.0	0	0.0
07/07/2015	0	0.0	0	0.0
08/07/2015	0	0.0	0	0.0
09/07/2015	0	0.0	0	0.0
10/07/2015	0	0.0	0	0.0
11/07/2015	0	0.0	0	0.0
12/07/2015	0	0.0	0	0.0
13/07/2015	0	0.0	0	0.0
14/07/2015	0	0.0	0	0.0
15/07/2015	0	0.0	0	0.0
16/07/2015	0	0.0	0	0.0
17/07/2015	0	0.0	0	0.0
18/07/2015	0	0.0	0	0.0
19/07/2015	0	0.0	0	0.0
20/07/2015	0	0.0	0	0.0
21/07/2015	0	0.0	0	0.0
22/07/2015	0	0.0	0	0.0
23/07/2015	0	0.0	0	0.0
24/07/2015	0	0.0	0	0.0
25/07/2015	0	0.0	0	0.0
26/07/2015	0	0.0	0	0.0
27/07/2015	0	0.0	0	0.0
28/07/2015	0	0.0	0	0.0
29/07/2015	0	0.0	0	0.0
30/07/2015	0	0.0	0	0.0
31/07/2015	0	0.0	0	0.0
Totals	0	0.0	0	0.0

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

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

Balancing Transportation Cost €/kWh	0.068822
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		Total First Tier Cost €		Total Second Tier Cost €	
	Buy	Sell		Buy	Sell	Buy	Sell	Buy	Sell	Buy	Sell
01/07/2015	2.134123	2.045695	2.093230	2.093230	2.093230	2.266714	1.919747	7,463.58	(15,295.93)	0.00	(737.99)
02/07/2015	2.149655	2.061399	2.108934	2.108934	2.108934	2.283203	1.934665	2,462.80	(16,147.88)	266.77	0.00
03/07/2015	2.105604	2.020513	2.068048	2.068048	2.068048	2.240272	1.895824	389.68	(22,416.04)	44.72	0.00
04/07/2015	2.101412	2.009761	2.057296	2.057296	2.057296	2.228983	1.885609	13,544.78	(19,493.22)	0.00	(2,907.01)
05/07/2015	2.146327	2.054749	2.102284	2.102284	2.102284	2.276220	1.928348	14,868.74	(18,528.67)	638.46	(150.39)
06/07/2015	2.166949	2.075405	2.122939	2.122939	2.122939	2.297908	1.947970	27,966.14	(4,233.06)	10,130.74	0.00
07/07/2015	2.150346	2.057862	2.105397	2.105397	2.105397	2.279489	1.931305	7,665.81	(44,473.06)	1,085.97	0.00
08/07/2015	2.175659	2.112753	2.160288	2.160288	2.160288	2.337124	1.983452	10,341.82	(12,749.87)	0.00	(1,005.97)
09/07/2015	2.170011	2.107943	2.155478	2.155478	2.155478	2.332074	1.978882	377.58	(24,278.62)	0.00	(153.21)
10/07/2015	2.187707	2.135813	2.183348	2.183348	2.183348	2.361337	2.005359	0.00	(48,710.87)	0.00	(635.70)
11/07/2015	2.147434	2.066492	2.114027	2.114027	2.114027	2.288550	1.939504	4,388.27	(20,648.89)	0.00	(1,314.40)
12/07/2015	2.179620	2.090118	2.137652	2.137652	2.137652	2.313357	1.961947	15,233.78	(34,535.74)	0.00	(439.22)
13/07/2015	2.219114	2.138643	2.186178	2.186178	2.186178	2.364309	2.008047	13,773.03	(29,454.25)	0.00	(3,420.15)
14/07/2015	2.190429	2.100162	2.147697	2.147697	2.147697	2.323904	1.971490	14,900.48	(23,555.98)	0.00	0.00
15/07/2015	2.189354	2.087005	2.134540	2.134540	2.134540	2.310089	1.958991	8,413.40	(7,965.21)	0.00	0.00
16/07/2015	2.247959	2.125061	2.172596	2.172596	2.172596	2.350048	1.995144	9,891.35	(13,727.47)	523.92	0.00
17/07/2015	2.183015	2.061540	2.109075	2.109075	2.109075	2.283351	1.934799	12,804.28	(10,182.14)	1,463.33	0.00
18/07/2015	2.147181	2.022494	2.070029	2.070029	2.070029	2.242352	1.897706	9,457.44	(27,445.01)	749.35	0.00
19/07/2015	2.162817	2.037914	2.085449	2.085449	2.085449	2.258543	1.912355	1,641.81	(30,408.86)	58.52	0.00
20/07/2015	2.227083	2.090118	2.137652	2.137652	2.137652	2.313357	1.961947	8,886.19	(11,161.45)	485.71	(470.89)
21/07/2015	2.206669	2.086156	2.133691	2.133691	2.133691	2.309198	1.958184	20,289.09	(5,829.29)	63.23	0.00
22/07/2015	2.185190	2.063379	2.110914	2.110914	2.110914	2.285282	1.936546	21,777.89	(7,418.83)	0.00	(225.26)
23/07/2015	2.103492	2.001131	2.048666	2.048666	2.048666	2.219921	1.877411	7,361.70	(29,689.25)	0.00	(2,427.10)
24/07/2015	2.140331	2.045412	2.092947	2.092947	2.092947	2.266416	1.919478	26,874.04	(8,758.45)	761.61	(2,408.73)
25/07/2015	2.071980	1.994058	2.041593	2.041593	2.041593	2.212495	1.870691	3,114.66	(25,161.81)	933.76	(2,322.22)
26/07/2015	2.079416	2.001556	2.049091	2.049091	2.049091	2.220368	1.877814	10,388.85	(10,616.33)	2,829.35	(1,698.45)
27/07/2015	2.059212	1.981184	2.028719	2.028719	2.028719	2.198977	1.858461	23,031.32	(7,433.72)	0.00	0.00
28/07/2015	2.154933	2.061540	2.109075	2.109075	2.109075	2.283351	1.934799	13,620.15	(15,878.29)	129.90	(460.62)
29/07/2015	2.123918	2.024191	2.071726	2.071726	2.071726	2.244134	1.899318	326.66	(23,400.45)	0.00	(11,458.17)
30/07/2015	2.194865	2.081629	2.129164	2.129164	2.129164	2.304444	1.953884	7,014.68	(48,611.25)	531.91	0.00
31/07/2015	2.104247	2.000990	2.048525	2.048525	2.048525	2.219773	1.877277	12,390.04	(18,247.48)	0.00	(311.76)

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)

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4. Gas Consumption by Market Sector

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
01/07/2015	151,238,663	6,626,157	8,153,416
02/07/2015	148,003,305	6,531,320	8,646,080
03/07/2015	107,822,833	6,011,920	8,417,121
04/07/2015	124,517,087	4,544,598	7,954,500
05/07/2015	127,751,415	4,687,736	7,566,962
06/07/2015	121,469,452	6,350,093	10,355,470
07/07/2015	119,623,671	6,434,280	10,502,363
08/07/2015	117,791,351	6,592,392	10,912,553
09/07/2015	130,165,166	6,221,056	10,447,806
10/07/2015	108,701,743	6,139,729	9,659,225
11/07/2015	98,697,232	5,049,322	9,440,526
12/07/2015	117,150,975	4,827,201	8,626,741
13/07/2015	127,676,816	6,571,506	9,622,998
14/07/2015	149,324,720	6,566,693	10,555,611
15/07/2015	152,631,115	6,707,870	10,100,796
16/07/2015	104,803,994	6,429,268	12,418,886
17/07/2015	98,315,540	6,195,402	10,803,189
18/07/2015	103,642,201	4,659,560	9,611,525
19/07/2015	128,893,120	4,654,602	8,882,715
20/07/2015	119,779,888	6,647,269	9,872,952
21/07/2015	150,942,067	6,653,337	9,649,570
22/07/2015	151,767,273	6,790,254	10,203,432
23/07/2015	151,899,280	6,598,840	10,053,567
24/07/2015	135,458,468	6,375,209	11,893,449
25/07/2015	127,896,441	4,728,255	10,758,601
26/07/2015	98,506,474	4,600,033	12,721,768
27/07/2015	125,583,625	6,380,821	12,927,253
28/07/2015	128,575,044	6,311,459	12,822,400
29/07/2015	131,437,191	6,544,508	13,929,746
30/07/2015	146,905,471	6,265,358	13,848,172
31/07/2015	122,365,669	5,985,819	13,364,232
Totals	3,929,337,290	185,681,867	324,723,625

Cleansed Totals	3,929,337,290	186,726,829	332,978,659
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Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	98,315,540	4,544,598	7,566,962
Month Max	152,631,115	6,790,254	13,929,746
Month Average	126,752,816	5,989,738	10,474,956
YTD Min	90,160,245	4,544,598	7,566,962
YTD Max	196,142,377	11,185,778	73,463,279
YTD Average	135,169,334	7,819,879	35,805,486
YTD Rolling Total	41,091,477,412	2,377,243,083	10,884,867,593

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	3,772,668,105	186,726,829	332,978,659
YTD Max	4,345,335,144	289,318,749	1,817,881,859
YTD Average	4,110,995,325	238,630,799	1,087,825,150
YTD Rolling Total	41,109,953,250	2,386,307,992	10,878,251,502

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

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5. Gas Quality

	Barnakyle - Adare (kWh/Nm3)	Ballygarraun Co Galway (kWh/Nm3)	Caherlag Exit Point (kWh/Nm3)	Curraleigh West (kWh/Nm3)	Dublin City (kWh/Nm3)	Gormanston - Node (kWh/Nm3)	Ories (kWh/Nm3)	Springhill - Carlow By Diff. (kWh/Nm3)	Ballyveelish (Clonmel) (kWh/Nm3)
01/07/2015	11.74	11.63	11.63	11.60	11.62	11.67	11.61	11.62	11.63
02/07/2015	11.62	11.64	11.64	11.63	11.65	11.61	11.64	11.65	11.66
03/07/2015	11.62	11.65	11.64	11.68	11.58	11.65	11.60	11.73	11.64
04/07/2015	11.68	11.63	11.66	11.65	11.65	11.48	11.63	11.60	11.61
05/07/2015	11.59	11.62	11.62	11.55	11.50	11.57	11.48	11.30	11.61
06/07/2015	11.58	11.64	11.61	11.52	11.56	11.52	11.62	11.66	11.51
07/07/2015	11.68	11.68	11.58	11.45	11.51	11.54	11.53	11.38	11.52
08/07/2015	11.49	11.65	11.63	11.50	11.54	11.57	11.53	11.35	11.53
09/07/2015	11.45	11.61	11.53	11.52	11.56	11.71	11.53	11.54	11.56
10/07/2015	11.69	11.55	11.55	11.55	11.67	11.62	11.69	11.43	11.58
11/07/2015	11.48	11.57	11.52	11.58	11.62	11.60	11.71	11.69	11.67
12/07/2015	11.52	11.54	11.56	11.80	11.61	11.59	11.55	11.60	11.62
13/07/2015	11.84	11.54	11.61	11.60	11.58	11.67	11.59	11.58	11.61
14/07/2015	11.48	11.56	11.69	11.58	11.68	11.85	11.72	11.56	11.62
15/07/2015	11.74	11.63	11.60	11.61	11.80	11.86	11.81	11.37	11.78
16/07/2015	11.62	11.69	11.62	11.85	11.84	11.85	11.94	11.66	11.84
17/07/2015	11.79	11.61	11.72	11.86	11.84	11.83	11.86	11.79	11.86
18/07/2015	11.88	11.60	11.83	11.84	11.81	11.84	11.77	11.42	11.85
19/07/2015	11.95	11.74	11.89	11.81	11.82	11.84	11.77	11.85	11.83
20/07/2015	11.87	11.86	11.86	11.81	11.82	11.85	11.84	11.75	11.84
21/07/2015	11.77	11.86	11.83	11.83	11.84	11.95	11.86	11.87	11.84
22/07/2015	11.71	11.85	11.82	11.86	11.89	11.91	11.96	11.80	11.93
23/07/2015	11.85	11.83	11.88	11.92	11.87	11.89	11.89	11.67	11.90
24/07/2015	12.02	11.84	11.95	11.89	11.87	11.88	11.91	11.86	11.91
25/07/2015	11.81	11.83	11.89	11.88	11.86	11.84	11.93	11.76	11.89
26/07/2015	12.00	11.86	11.91	11.85	11.82	11.69	11.83	11.88	11.87
27/07/2015	11.86	11.95	11.90	11.87	11.71	11.65	11.66	11.75	11.84
28/07/2015	11.81	11.91	11.87	11.82	11.66	11.68	11.70	11.84	11.70
29/07/2015	11.89	11.89	11.83	11.62	11.72	11.73	11.68	11.57	11.67
30/07/2015	11.64	11.89	11.69	11.74	11.67	11.63	11.70	11.79	11.71
31/07/2015	11.60	11.85	11.69	11.69	11.60	11.54	11.61	11.40	11.66

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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
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7. Monthly Shrinkage Total for Transportation

Total Transportation Shrinkage : **69,447,577 kWh**

Transmission Shrinkage % of Entry Throughput was 1.4% for the 12 month period Aug-14 to Jul-15