



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	October
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
01/10/2015	150,573,540	12,730,124.7	40,477,665	3,422,153.2	3,753,557	317,341.8
02/10/2015	153,366,189	13,168,569.8	36,772,685	3,157,434.5	3,811,395	327,260.3
03/10/2015	147,605,891	12,651,679.6	40,256,225	3,450,464.6	3,170,093	271,716.7
04/10/2015	115,798,611	9,937,880.1	34,822,236	2,988,457.5	3,071,784	263,621.4
05/10/2015	140,626,924	12,059,553.7	42,665,886	3,658,840.9	3,922,464	336,373.4
06/10/2015	139,867,862	12,003,512.6	38,790,733	3,329,035.4	2,425,563	208,163.1
07/10/2015	150,421,855	12,899,525.3	48,991,790	4,201,323.0	2,520,415	216,140.0
08/10/2015	152,827,412	13,092,650.0	51,926,221	4,448,494.0	2,533,697	217,061.0
09/10/2015	145,565,949	12,411,343.6	51,917,834	4,426,653.7	2,566,975	218,867.2
10/10/2015	145,087,106	12,312,048.4	47,356,959	4,018,697.7	2,515,805	213,490.5
11/10/2015	154,264,696	13,058,372.4	47,809,306	4,047,015.8	2,559,871	216,690.5
12/10/2015	154,246,740	13,014,869.1	56,115,578	4,734,861.5	2,623,789	221,386.8
13/10/2015	166,342,111	14,143,889.0	59,065,702	5,022,292.3	2,699,304	229,519.1
14/10/2015	163,804,294	14,054,211.0	54,110,828	4,642,644.0	2,630,760	225,716.4
15/10/2015	166,449,103	14,270,365.1	63,304,407	5,427,346.8	2,701,574	231,617.1
16/10/2015	167,675,316	14,386,340.0	62,176,058	5,334,630.8	2,824,196	242,312.7
17/10/2015	144,886,800	12,503,441.8	54,220,106	4,679,086.8	2,641,388	227,946.1
18/10/2015	146,249,527	12,649,842.2	49,646,130	4,294,138.5	2,684,492	232,195.2
19/10/2015	147,250,101	12,652,974.9	55,968,734	4,809,306.9	3,295,555	283,181.7
20/10/2015	130,621,411	11,095,534.6	44,234,959	3,757,504.1	4,020,983	341,559.6
21/10/2015	109,977,456	9,445,435.2	30,969,061	2,659,784.3	1,880,904	161,542.1
22/10/2015	129,692,262	11,144,256.4	46,326,020	3,980,723.6	2,006,938	172,452.8
23/10/2015	110,922,524	9,521,807.9	37,008,727	3,176,902.0	3,974,985	341,220.3
24/10/2015	112,563,194	9,687,022.9	36,753,724	3,162,971.3	3,168,402	272,668.1
25/10/2015	106,674,319	9,164,052.0	32,310,447	2,775,688.1	747,000	64,172.4
26/10/2015	107,331,365	9,234,449.2	38,967,408	3,352,631.5	823,000	70,808.5
27/10/2015	143,404,835	12,347,438.4	40,870,702	3,519,048.1	1,062,088	91,448.1
28/10/2015	128,699,640	11,098,098.8	40,309,690	3,476,008.1	1,512,487	130,425.8
29/10/2015	139,180,003	12,017,035.8	44,147,851	3,811,799.7	1,230,000	106,200.4
30/10/2015	114,239,680	9,846,201.7	33,694,703	2,904,112.6	1,211,483	104,416.0
31/10/2015	141,145,458	12,149,835.3	29,947,320	2,577,872.8	1,113,477	95,848.8
Totals	4,327,362,174	370,752,361.5	1,391,935,695	119,247,923.7	77,704,424	6,653,364.0

	Moffat	
	kWh	M3
Month Min	106,674,319	9,164,052.0
Month Max	167,675,316	14,386,340.0
Month Average	139,592,328	11,959,753.6
YTD Min	106,674,319	9,164,052.0
YTD Max	167,675,316	14,386,340.0
YTD Average	139,592,328	11,959,753.4

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
01/10/2015	0	0.0	0	0.0
02/10/2015	0	0.0	0	0.0
03/10/2015	0	0.0	0	0.0
04/10/2015	0	0.0	0	0.0
05/10/2015	0	0.0	0	0.0
06/10/2015	0	0.0	0	0.0
07/10/2015	0	0.0	0	0.0
08/10/2015	0	0.0	0	0.0
09/10/2015	0	0.0	0	0.0
10/10/2015	0	0.0	0	0.0
11/10/2015	0	0.0	0	0.0
12/10/2015	0	0.0	0	0.0
13/10/2015	0	0.0	0	0.0
14/10/2015	0	0.0	0	0.0
15/10/2015	0	0.0	0	0.0
16/10/2015	0	0.0	0	0.0
17/10/2015	0	0.0	0	0.0
18/10/2015	0	0.0	0	0.0
19/10/2015	0	0.0	0	0.0
20/10/2015	0	0.0	5,000,000	424,714.3
21/10/2015	0	0.0	0	0.0
22/10/2015	0	0.0	0	0.0
23/10/2015	0	0.0	0	0.0
24/10/2015	0	0.0	0	0.0
25/10/2015	0	0.0	0	0.0
26/10/2015	0	0.0	0	0.0
27/10/2015	0	0.0	0	0.0
28/10/2015	0	0.0	0	0.0
29/10/2015	0	0.0	0	0.0
30/10/2015	0	0.0	0	0.0
31/10/2015	0	0.0	0	0.0
Totals	0	0.0	5,000,000	424,714.3

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	0.060488
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
01/10/2015	1.845392	1.751606	1.803321	1.803321	1.803321	1.953975	1.652667
02/10/2015	1.827399	1.731275	1.782990	1.782990	1.782990	1.932628	1.633353
03/10/2015	1.837476	1.752425	1.804139	1.804139	1.804139	1.954834	1.653444
04/10/2015	1.837746	1.752698	1.804412	1.804412	1.804412	1.955121	1.653703
05/10/2015	1.873547	1.788857	1.840571	1.840571	1.840571	1.993088	1.688054
06/10/2015	1.892283	1.807005	1.858719	1.858719	1.858719	2.012143	1.705295
07/10/2015	1.906496	1.810689	1.862403	1.862403	1.862403	2.016011	1.708795
08/10/2015	1.991312	1.898017	1.949731	1.949731	1.949731	2.107706	1.791756
09/10/2015	1.902254	1.819149	1.870863	1.870863	1.870863	2.024894	1.716832
10/10/2015	1.846508	1.761294	1.813008	1.813008	1.813008	1.964146	1.661870
11/10/2015	1.828132	1.629484	1.794451	1.794451	1.794451	1.944662	1.568996
12/10/2015	1.844346	1.759111	1.810825	1.810825	1.810825	1.961854	1.659796
13/10/2015	1.872727	1.807960	1.859674	1.859674	1.859674	2.013146	1.706202
14/10/2015	1.856026	1.775212	1.826926	1.826926	1.826926	1.978760	1.675092
15/10/2015	1.892253	1.806459	1.858173	1.858173	1.858173	2.011570	1.704776
16/10/2015	1.940048	1.843846	1.895561	1.895561	1.895561	2.050827	1.740295
17/10/2015	1.933716	1.827199	1.878914	1.878914	1.878914	2.033348	1.724480
18/10/2015	1.933852	1.827336	1.879050	1.879050	1.879050	2.033491	1.724610
19/10/2015	2.001640	1.895015	1.946729	1.946729	1.946729	2.104553	1.788905
20/10/2015	1.898667	1.792541	1.852988	1.852988	1.852988	2.006125	1.699851
21/10/2015	1.961083	1.863086	1.914800	1.914800	1.914800	2.071028	1.758572
22/10/2015	1.933826	1.826517	1.878231	1.878231	1.878231	2.032631	1.723831
23/10/2015	1.945938	1.807141	1.858856	1.858856	1.858856	2.012287	1.705425
24/10/2015	1.899359	1.758429	1.810143	1.810143	1.810143	1.961138	1.659148
25/10/2015	1.973274	1.830883	1.882598	1.882598	1.882598	2.037216	1.727980
26/10/2015	1.916342	1.775075	1.826790	1.826790	1.826790	1.978618	1.674962
27/10/2015	1.894095	1.761021	1.812736	1.812736	1.812736	1.963861	1.661611
28/10/2015	1.875414	1.751333	1.803048	1.803048	1.803048	1.953688	1.652408
29/10/2015	1.929120	1.783126	1.834840	1.834840	1.834840	1.989608	1.682610
30/10/2015	1.813701	1.673966	1.725681	1.725681	1.725681	1.874189	1.578909
31/10/2015	1.852215	1.699073	1.750787	1.750787	1.750787	1.912703	1.602760

	Total First Tier Cost €		Total Second Tier Cost €	
	Buy	Sell	Buy	Sell
01/10/2015	8,202.16	(7,832.25)	2,008.73	0.00
02/10/2015	4,952.12	(10,171.47)	1,407.40	0.00
03/10/2015	12,256.79	(17,406.12)	6,268.15	0.00
04/10/2015	1,495.15	(18,192.04)	4,377.20	0.00
05/10/2015	10,477.21	(17,231.24)	0.00	(1,683.78)
06/10/2015	16,013.53	(18,993.29)	275.10	(5,394.99)
07/10/2015	51,612.70	(5,941.49)	3,786.71	0.00
08/10/2015	14,841.32	(33,268.58)	0.00	0.00
09/10/2015	3,907.97	(14,887.66)	0.00	(241.76)
10/10/2015	10,409.47	(24,353.31)	0.00	(2,332.79)
11/10/2015	2,037.31	(37,503.09)	0.00	(330.51)
12/10/2015	25,856.96	(3,284.99)	875.95	0.00
13/10/2015	33,953.83	(8,066.00)	561.18	0.00
14/10/2015	32,446.11	(4,822.64)	1,260.53	0.00
15/10/2015	16,218.54	(16,139.46)	0.00	(168.47)
16/10/2015	6,029.36	(15,952.36)	0.00	0.00
17/10/2015	22,664.20	(16,289.26)	620.23	(4,641.23)
18/10/2015	13,193.40	(19,873.60)	284.97	(4,959.15)
19/10/2015	39,938.19	(7,222.73)	332.65	0.00
20/10/2015	16,484.69	(4,372.11)	102.53	0.00
21/10/2015	16,465.84	(25,236.36)	12,923.84	(1,811.94)
22/10/2015	18,975.62	(20,835.98)	0.00	0.00
23/10/2015	3,029.43	(24,186.41)	1,118.83	(8,351.21)
24/10/2015	68,876.83	(7,384.82)	13,195.52	0.00
25/10/2015	10,304.29	(25,602.47)	1,390.58	(17,909.07)
26/10/2015	7,380.55	(21,841.71)	0.00	(2,157.18)
27/10/2015	37,424.16	(15,232.31)	926.98	0.00
28/10/2015	27,210.64	(12,651.99)	3,521.18	(234.33)
29/10/2015	23,241.35	(8,221.17)	0.00	(902.11)
30/10/2015	3,569.81	(29,598.75)	297.66	(965.14)
31/10/2015	5,485.52	(39,772.59)	152.86	(14,939.74)

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
01/10/2015	169,956,265	7,608,121	19,515,192
02/10/2015	166,394,808	7,482,817	21,723,885
03/10/2015	160,684,598	5,871,427	22,877,468
04/10/2015	124,560,122	5,432,472	21,554,682
05/10/2015	158,165,215	7,606,420	21,111,442
06/10/2015	154,227,072	7,925,394	19,769,008
07/10/2015	176,005,941	8,196,684	22,231,750
08/10/2015	178,335,479	7,891,222	22,377,094
09/10/2015	173,582,526	7,363,366	20,762,156
10/10/2015	170,004,116	5,648,812	20,134,540
11/10/2015	178,510,740	5,670,774	20,117,769
12/10/2015	182,634,982	8,066,246	25,468,813
13/10/2015	193,267,674	8,695,085	29,519,901
14/10/2015	182,033,749	8,713,586	33,305,330
15/10/2015	193,209,331	8,454,305	32,601,664
16/10/2015	193,292,280	8,162,184	32,609,896
17/10/2015	168,948,278	6,396,557	28,296,312
18/10/2015	165,467,243	6,162,459	27,947,466
19/10/2015	178,642,700	8,490,722	30,312,131
20/10/2015	144,514,408	8,875,966	33,103,421
21/10/2015	108,337,546	8,397,201	28,081,598
22/10/2015	148,451,731	8,657,474	28,409,835
23/10/2015	115,714,280	7,944,873	28,444,905
24/10/2015	125,190,741	6,837,128	28,839,740
25/10/2015	103,207,489	6,056,477	30,231,140
26/10/2015	111,210,147	6,292,060	30,230,752
27/10/2015	149,719,676	8,284,224	29,849,443
28/10/2015	134,420,932	8,227,888	30,258,222
29/10/2015	148,107,976	8,370,840	30,397,433
30/10/2015	111,538,494	7,954,771	29,706,352
31/10/2015	141,964,460	6,424,989	22,417,249
Totals	4,810,300,999	232,162,544	822,206,589

Cleansed Totals	4,809,524,380	232,317,765	812,486,644
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Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	103,207,489	5,432,472	19,515,192
Month Max	193,292,280	8,875,966	33,305,330
Month Average	155,171,000	7,489,114	26,522,793
YTD Min	103,207,489	5,432,472	19,515,192
YTD Max	193,292,280	8,875,966	33,305,330
YTD Average	155,171,000	7,489,114	26,522,793
YTD Rolling Total	4,810,300,999	232,162,544	822,206,589

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	4,809,524,380	232,317,765	812,486,644
YTD Max	4,809,524,380	232,317,765	812,486,644
YTD Average	4,809,524,380	232,317,765	812,486,644
YTD Rolling Total	4,809,524,380	232,317,765	812,486,644

The LDM value includes the off take at Twynholm (PTL) and Glen Mooar (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)
01/10/2015	11.88	11.93	11.78	11.90	11.79	11.88	11.72	11.98	11.92
02/10/2015	11.93	11.94	11.80	11.84	11.86	11.90	11.95	11.77	11.79
03/10/2015	11.71	11.92	11.82	11.90	11.82	11.68	11.88	11.74	11.89
04/10/2015	11.96	11.92	11.81	11.89	11.71	11.66	11.57	11.74	11.89
05/10/2015	11.84	11.82	11.81	11.91	11.66	11.67	11.71	11.72	11.74
06/10/2015	11.78	11.89	11.86	11.61	11.64	11.65	11.68	11.65	11.67
07/10/2015	11.63	11.90	11.69	11.67	11.64	11.66	11.60	11.68	11.66
08/10/2015	11.69	11.92	11.61	11.66	11.63	11.65	11.71	11.56	11.66
09/10/2015	11.65	11.69	11.59	11.65	11.63	11.65	11.63	11.64	11.66
10/10/2015	11.67	11.66	11.58	11.64	11.64	11.67	11.65	11.73	11.65
11/10/2015	11.61	11.66	11.60	11.65	11.65	11.77	11.61	11.55	11.66
12/10/2015	11.61	11.65	11.60	11.66	11.74	11.78	11.86	11.67	11.72
13/10/2015	11.71	11.64	11.60	11.79	11.77	11.84	11.74	11.71	11.76
14/10/2015	11.78	11.65	11.67	11.76	11.81	11.82	11.84	11.90	11.82
15/10/2015	11.82	11.71	11.71	11.84	11.75	11.65	11.78	11.82	11.84
16/10/2015	11.85	11.78	11.75	11.89	11.66	11.65	11.67	11.71	11.71
17/10/2015	11.76	11.81	11.78	11.65	11.64	11.67	11.62	11.71	11.65
18/10/2015	11.66	11.87	11.64	11.64	11.63	11.62	11.67	11.65	11.67
19/10/2015	11.61	11.74	11.61	11.64	11.60	11.57	11.59	11.63	11.65
20/10/2015	11.68	11.65	11.52	11.63	11.56	11.57	11.59	11.64	11.61
21/10/2015	11.57	11.67	11.66	11.61	11.57	11.69	11.54	11.50	11.57
22/10/2015	11.60	11.60	11.53	11.55	11.66	11.78	11.68	11.62	11.58
23/10/2015	11.58	11.56	11.48	11.57	11.72	11.64	11.77	11.57	11.66
24/10/2015	11.55	11.57	11.55	11.61	11.63	11.64	11.65	11.56	11.74
25/10/2015	11.71	11.64	11.46	11.73	11.62	11.65	11.73	11.65	11.66
26/10/2015	11.71	11.80	11.59	11.77	11.64	11.62	11.54	11.60	11.65
27/10/2015	11.78	11.73	11.59	11.59	11.61	11.63	11.69	11.64	11.65
28/10/2015	11.63	11.62	11.61	11.63	11.62	11.61	11.61	11.63	11.64
29/10/2015	11.66	11.64	11.52	11.60	11.60	11.61	11.61	11.66	11.63
30/10/2015	11.58	11.63	11.57	11.62	11.59	11.59	11.63	11.58	11.62
31/10/2015	11.65	11.62	11.53	11.59	11.58	11.57	11.57	11.61	11.60

Transportation Network Monthly Report

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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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Transportation Network Monthly Report

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7. Monthly Shrinkage Total for Transportation

Total Transportation Shrinkage : **78,552,000 kWh**

Transmission Shrinkage % of Entry Throughput was 1.41% for the 12 month period Nov-14 to Oct-15