



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	June
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
01/06/2015	120,273,079	10,327,077.5	41,221,388	3,539,415.8	4,179,633	358,877.9
02/06/2015	119,216,545	10,246,675.5	42,736,551	3,673,211.3	3,957,820	340,175.1
03/06/2015	150,910,146	12,928,398.7	50,984,421	4,367,810.6	3,772,208	323,162.9
04/06/2015	132,950,432	11,375,515.4	50,157,689	4,291,596.1	3,725,104	318,728.1
05/06/2015	114,877,272	9,861,291.3	41,400,880	3,553,933.1	2,699,713	231,748.8
06/06/2015	111,149,317	9,529,287.3	31,295,637	2,683,103.8	2,466,070	211,426.6
07/06/2015	125,114,352	10,764,441.3	36,675,415	3,155,436.0	2,454,482	211,175.5
08/06/2015	141,094,391	12,133,192.6	43,703,749	3,758,235.6	3,690,901	317,392.9
09/06/2015	142,693,896	12,283,124.8	43,328,159	3,729,698.6	3,688,774	317,530.3
10/06/2015	139,265,144	11,954,794.6	41,932,858	3,599,598.8	3,602,345	309,232.2
11/06/2015	133,718,752	11,449,869.8	47,587,644	4,074,763.4	3,560,140	304,842.0
12/06/2015	132,454,417	11,333,075.2	43,873,406	3,753,899.4	3,094,378	264,761.3
13/06/2015	122,797,081	10,549,107.7	39,353,693	3,380,750.6	2,371,253	203,706.5
14/06/2015	121,922,923	10,479,289.5	34,328,676	2,950,553.5	2,404,000	206,624.2
15/06/2015	138,228,748	11,895,762.0	44,095,685	3,794,810.1	2,420,033	208,264.5
16/06/2015	127,653,595	10,996,776.7	40,534,877	3,491,895.6	2,378,477	204,894.8
17/06/2015	122,926,594	10,605,636.8	35,306,538	3,046,113.3	2,011,009	173,501.8
18/06/2015	125,153,610	10,827,898.3	40,608,771	3,513,343.6	2,426,638	209,945.5
19/06/2015	133,856,793	11,572,065.6	42,630,815	3,685,480.8	1,434,484	124,012.4
20/06/2015	113,306,049	9,805,370.6	33,838,336	2,928,329.4	367,008	31,760.7
21/06/2015	112,722,459	9,710,527.2	29,998,550	2,584,238.8	389,885	33,586.7
22/06/2015	140,744,352	12,093,945.9	40,314,541	3,464,166.9	408,121	35,068.8
23/06/2015	135,881,560	11,670,214.2	43,130,057	3,704,233.8	366,096	31,442.3
24/06/2015	131,031,923	11,256,536.6	42,293,611	3,633,309.7	363,160	31,197.8
25/06/2015	119,399,096	10,252,034.2	36,877,692	3,166,450.9	412,123	35,386.2
26/06/2015	121,821,057	10,462,625.0	40,024,938	3,437,549.8	377,105	32,388.0
27/06/2015	108,531,954	9,333,036.5	31,193,956	2,682,475.6	363,066	31,221.5
28/06/2015	106,705,040	9,173,621.8	28,791,192	2,475,229.8	337,101	28,981.4
29/06/2015	118,147,658	10,108,958.9	36,604,280	3,131,938.3	1,392,810	119,172.1
30/06/2015	125,974,136	10,811,147.6	33,405,074	2,866,835.9	2,330,859	200,035.5
Totals	3,790,522,371	325,791,299.0	1,188,229,079	102,118,408.7	63,444,796	5,450,244.6

	Moffat	
	kWh	M3
Month Min	106,705,040	9,173,621.8
Month Max	150,910,146	12,928,398.7
Month Average	126,350,746	10,859,710.0
YTD Min	77,163,477	6,716,825.7
YTD Max	175,477,373	15,105,134.4
YTD Average	124,899,895	10,762,448.5

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
01/06/2015	0	0.0	0	0.0
02/06/2015	0	0.0	0	0.0
03/06/2015	0	0.0	0	0.0
04/06/2015	0	0.0	0	0.0
05/06/2015	0	0.0	0	0.0
06/06/2015	0	0.0	0	0.0
07/06/2015	0	0.0	0	0.0
08/06/2015	0	0.0	0	0.0
09/06/2015	0	0.0	0	0.0
10/06/2015	0	0.0	0	0.0
11/06/2015	0	0.0	0	0.0
12/06/2015	0	0.0	0	0.0
13/06/2015	0	0.0	0	0.0
14/06/2015	0	0.0	0	0.0
15/06/2015	0	0.0	0	0.0
16/06/2015	0	0.0	0	0.0
17/06/2015	0	0.0	5,000,000	431,347.5
18/06/2015	0	0.0	5,000,000	432,579.4
19/06/2015	0	0.0	0	0.0
20/06/2015	0	0.0	0	0.0
21/06/2015	0	0.0	0	0.0
22/06/2015	0	0.0	0	0.0
23/06/2015	0	0.0	5,000,000	429,452.3
24/06/2015	0	0.0	5,000,000	429,547.1
25/06/2015	0	0.0	5,000,000	429,357.6
26/06/2015	0	0.0	0	0.0
27/06/2015	0	0.0	0	0.0
28/06/2015	0	0.0	0	0.0
29/06/2015	0	0.0	0	0.0
30/06/2015	0	0.0	0	0.0
Totals	0	0.0	25,000,000	2,152,283.9

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 Irelands Flows)

Balancing Transportation Cost €/kWh	0.067796
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
01/06/2015	2.160862	2.063043	2.109659	2.109659	2.109659	2.282938	1.936380	11,209.43	(17,403.47)	3,727.56	0.00
02/06/2015	2.148971	2.066234	2.112850	2.112850	2.112850	2.286289	1.939411	35,413.84	(17,404.82)	0.00	0.00
03/06/2015	2.164123	2.091068	2.137684	2.137684	2.137684	2.312364	1.963004	14,123.40	(7,086.27)	0.00	(391.91)
04/06/2015	2.116399	2.066095	2.112711	2.112711	2.112711	2.286143	1.939279	7,034.85	(18,842.52)	0.00	(379.25)
05/06/2015	2.067104	2.005189	2.051805	2.051805	2.051805	2.222191	1.881419	18,600.13	(4,887.70)	523.30	0.00
06/06/2015	2.095928	2.008102	2.054719	2.054719	2.054719	2.225251	1.884187	5,786.25	(16,906.36)	796.42	0.00
07/06/2015	2.144849	2.061933	2.108549	2.108549	2.108549	2.281772	1.935326	1,690.54	(20,908.93)	0.00	(323.18)
08/06/2015	2.177098	2.117151	2.163767	2.163767	2.163767	2.339751	1.987783	17,017.78	(14,467.72)	0.00	(133.22)
09/06/2015	2.147946	2.098283	2.144899	2.144899	2.144899	2.319940	1.969858	10,806.96	(17,151.28)	0.00	(2,047.27)
10/06/2015	2.159665	2.089265	2.135881	2.135881	2.135881	2.310471	1.961291	8,270.45	(18,515.90)	0.00	(374.90)
11/06/2015	2.075557	1.999084	2.045701	2.045701	2.045701	2.215782	1.875620	6,463.59	(20,331.21)	0.00	(13.37)
12/06/2015	2.102415	2.020034	2.066650	2.066650	2.066650	2.237779	1.895522	3,688.52	(29,612.95)	292.84	0.00
13/06/2015	2.122615	2.037099	2.083715	2.083715	2.083715	2.255697	1.911733	10,872.28	(23,338.66)	607.39	0.00
14/06/2015	2.148051	2.062627	2.109243	2.109243	2.109243	2.282501	1.935985	26,824.12	(9,780.85)	0.00	0.00
15/06/2015	2.075477	1.989789	2.036405	2.036405	2.036405	2.206021	1.866789	2,414.37	(14,182.89)	0.00	(626.61)
16/06/2015	2.148845	2.047920	2.094537	2.094537	2.094537	2.267060	1.922014	5,874.15	(20,535.13)	65.04	0.00
17/06/2015	2.062482	1.958434	2.005050	2.005050	2.005050	2.173099	1.837002	17,923.36	(11,536.61)	3,705.94	0.00
18/06/2015	2.098368	1.993257	2.039874	2.039874	2.039874	2.209664	1.870084	5,406.75	(26,527.77)	0.00	(5,319.02)
19/06/2015	2.186851	2.071229	2.117845	2.117845	2.117845	2.291533	1.944157	2,336.53	(23,925.77)	0.00	(618.36)
20/06/2015	2.088995	1.984517	2.031133	2.031133	2.031133	2.200486	1.861780	3,654.47	(26,452.97)	277.15	(2,519.38)
21/06/2015	2.057052	1.952746	1.999362	1.999362	1.999362	2.167126	1.831598	9,057.36	(14,828.78)	0.00	(1,469.50)
22/06/2015	2.101967	1.997420	2.044036	2.044036	2.044036	2.214034	1.874038	22,727.07	(6,580.44)	0.00	(907.50)
23/06/2015	2.179552	2.054025	2.100641	2.100641	2.100641	2.273469	1.927813	2,874.08	(17,476.09)	0.00	(1,268.87)
24/06/2015	2.165777	2.045562	2.092178	2.092178	2.092178	2.264583	1.919773	4,568.03	(13,067.75)	0.00	(53.60)
25/06/2015	2.110020	1.992841	2.039457	2.039457	2.039457	2.209226	1.869688	4,631.20	(11,945.76)	0.00	0.00
26/06/2015	2.078478	1.960793	2.007409	2.007409	2.007409	2.175575	1.839243	1,865.36	(13,892.97)	0.00	(166.49)
27/06/2015	2.092873	1.963984	2.010600	2.010600	2.010600	2.178926	1.842274	7,392.80	(9,586.05)	0.00	(223.52)
28/06/2015	2.118984	1.965926	2.012542	2.012542	2.012542	2.186780	1.844119	432.15	(19,520.42)	0.00	(876.18)
29/06/2015	2.063797	1.935403	1.982020	1.982020	1.982020	2.148917	1.815123	354.60	(31,905.81)	0.00	(13,048.03)
30/06/2015	2.107113	1.986459	2.033075	2.033075	2.033075	2.202525	1.863625	20,929.35	(21,165.74)	0.00	(898.19)

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
01/06/2015	107,386,924	6,423,711	30,053,612
02/06/2015	116,112,384	7,822,544	23,362,819
03/06/2015	156,882,724	7,578,396	19,935,741
04/06/2015	139,514,714	7,343,998	17,526,641
05/06/2015	112,610,682	7,125,671	18,209,997
06/06/2015	98,560,440	5,929,463	17,243,740
07/06/2015	119,982,202	5,607,500	15,106,863
08/06/2015	141,622,856	7,563,863	17,706,215
09/06/2015	145,040,878	7,346,648	15,125,781
10/06/2015	141,838,068	7,271,125	13,449,357
11/06/2015	142,311,882	6,865,556	13,224,682
12/06/2015	134,898,692	6,602,725	13,394,886
13/06/2015	122,661,726	5,580,320	12,154,000
14/06/2015	119,035,258	5,396,735	11,421,290
15/06/2015	140,576,793	6,808,644	11,745,076
16/06/2015	128,974,159	6,781,116	10,511,129
17/06/2015	118,463,696	6,961,439	16,642,489
18/06/2015	130,270,889	7,032,797	11,092,871
19/06/2015	135,532,682	6,443,370	11,280,963
20/06/2015	108,533,877	5,045,504	9,002,582
21/06/2015	103,573,939	5,143,371	10,351,958
22/06/2015	140,460,750	6,739,993	11,383,230
23/06/2015	143,207,670	6,877,880	10,318,537
24/06/2015	138,078,951	7,028,354	10,210,700
25/06/2015	121,174,095	6,861,376	10,609,748
26/06/2015	123,043,799	6,356,152	9,580,310
27/06/2015	103,265,537	5,194,531	8,900,071
28/06/2015	99,328,066	4,864,659	8,169,895
29/06/2015	115,452,312	6,522,273	9,468,556
30/06/2015	124,271,460	6,708,615	8,159,960
Totals	3,772,668,105	195,828,329	405,343,699

Cleansed Totals	3,772,668,105	196,055,485	404,916,569
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Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	98,560,440	4,864,659	8,159,960
Month Max	156,882,724	7,822,544	30,053,612
Month Average	125,755,604	6,527,611	13,511,457
YTD Min	90,160,245	4,815,807	8,159,960
YTD Max	196,142,377	11,185,778	73,463,279
YTD Average	136,125,055	8,027,697	38,681,846
YTD Rolling Total	37,162,140,122	2,191,561,216	10,560,143,968

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	3,772,668,105	196,055,485	404,916,569
YTD Max	4,345,335,144	289,318,749	1,817,881,859
YTD Average	4,131,179,551	244,397,907	1,171,696,983
YTD Rolling Total	37,180,615,960	2,199,581,163	10,545,272,843

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)
01/06/2015	11.62	11.60	11.61	11.61	11.60	11.60	11.59	11.61	11.60
02/06/2015	11.60	11.59	11.60	11.58	11.60	11.63	11.64	11.50	11.60
03/06/2015	11.65	11.60	11.61	11.58	11.62	11.64	11.55	11.65	11.62
04/06/2015	11.56	11.60	11.60	11.61	11.62	11.65	11.71	11.67	11.65
05/06/2015	11.59	11.60	11.61	11.62	11.65	11.66	11.66	11.49	11.64
06/06/2015	11.67	11.60	11.64	11.60	11.65	11.68	11.60	11.68	11.67
07/06/2015	11.59	11.62	11.64	11.65	11.65	11.64	11.67	11.58	11.65
08/06/2015	11.67	11.64	11.66	11.67	11.64	11.64	11.64	11.59	11.66
09/06/2015	11.66	11.63	11.66	11.62	11.61	11.62	11.60	11.69	11.65
10/06/2015	11.77	11.66	11.67	11.66	11.61	11.62	11.62	11.63	11.63
11/06/2015	11.63	11.67	11.64	11.61	11.59	11.62	11.67	11.55	11.64
12/06/2015	11.55	11.67	11.64	11.62	11.62	11.67	11.56	11.81	11.61
13/06/2015	11.61	11.66	11.65	11.61	11.64	11.67	11.79	11.47	11.63
14/06/2015	11.74	11.62	11.60	11.63	11.65	11.68	11.60	11.69	11.67
15/06/2015	11.56	11.61	11.62	11.65	11.64	11.62	11.65	11.68	11.67
16/06/2015	11.71	11.62	11.67	11.69	11.60	11.63	11.62	11.74	11.65
17/06/2015	11.53	11.63	11.67	11.64	11.61	11.61	11.61	11.46	11.63
18/06/2015	11.74	11.67	11.66	11.63	11.60	11.60	11.67	11.78	11.62
19/06/2015	11.55	11.68	11.64	11.61	11.59	11.58	11.60	11.42	11.62
20/06/2015	11.69	11.65	11.62	11.60	11.55	11.56	11.55	11.64	11.59
21/06/2015	11.64	11.63	11.60	11.59	11.58	11.56	11.62	11.74	11.57
22/06/2015	11.46	11.62	11.58	11.54	11.53	11.55	11.48	11.55	11.57
23/06/2015	11.58	11.61	11.58	11.54	11.57	11.61	11.61	11.61	11.55
24/06/2015	11.65	11.58	11.56	11.57	11.58	11.64	11.53	11.39	11.60
25/06/2015	11.50	11.56	11.58	11.59	11.61	11.64	11.72	11.55	11.63
26/06/2015	11.57	11.56	11.59	11.63	11.62	11.63	11.58	11.71	11.64
27/06/2015	11.66	11.55	11.62	11.62	11.62	11.65	11.59	11.50	11.64
28/06/2015	11.57	11.60	11.64	11.64	11.62	11.64	11.61	11.64	11.65
29/06/2015	11.65	11.63	11.63	11.63	11.61	11.63	11.64	11.50	11.63
30/06/2015	11.65	11.64	11.66	11.63	11.61	11.63	11.71	11.66	11.64

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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 : **68,892,957 kWh**

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