



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	February
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
01/02/2015	146,078,222	12,533,334.7	48,164,606	4,132,464.6	3,923,947	336,670.0
02/02/2015	175,477,373	15,105,134.4	67,797,766	5,836,048.6	5,013,706	431,580.6
03/02/2015	168,053,139	14,260,939.4	63,206,301	5,363,668.1	5,018,229	425,845.8
04/02/2015	169,576,976	14,358,106.3	70,499,169	5,969,175.0	4,923,855	416,903.3
05/02/2015	154,782,688	13,187,299.1	60,029,261	5,114,420.8	4,410,056	375,731.9
06/02/2015	156,506,174	13,485,701.2	56,654,013	4,881,718.7	4,762,448	410,366.7
07/02/2015	135,456,370	11,707,383.8	43,754,269	3,781,646.1	3,689,209	318,855.1
08/02/2015	146,462,595	12,723,112.5	48,478,286	4,211,278.4	3,636,593	315,909.0
09/02/2015	173,964,199	15,100,623.8	59,785,784	5,189,588.3	4,683,719	406,561.1
10/02/2015	164,368,985	14,109,758.3	67,598,820	5,802,816.2	4,687,468	402,381.3
11/02/2015	162,423,835	13,869,491.5	65,313,866	5,577,199.3	4,818,180	411,428.0
12/02/2015	141,077,717	12,140,940.2	50,029,578	4,305,471.8	4,748,282	408,629.8
13/02/2015	142,658,843	12,243,035.6	50,421,694	4,327,208.8	4,663,604	400,232.1
14/02/2015	128,654,959	11,032,890.7	40,311,251	3,456,917.8	3,478,451	298,296.9
15/02/2015	121,362,019	10,438,970.1	32,615,465	2,805,423.8	3,600,641	309,709.8
16/02/2015	139,194,450	11,981,892.2	46,460,232	3,999,307.9	4,589,459	395,062.0
17/02/2015	129,754,250	11,160,828.1	46,939,479	4,037,505.7	4,716,861	405,721.6
18/02/2015	122,891,403	10,578,522.2	37,402,079	3,219,580.0	4,751,006	408,968.1
19/02/2015	135,395,678	11,663,722.2	44,201,418	3,807,751.5	4,603,208	396,545.0
20/02/2015	145,129,543	12,530,729.8	49,997,002	4,316,825.0	4,695,504	405,417.4
21/02/2015	131,446,115	11,366,540.7	43,845,947	3,791,490.7	3,876,688	335,228.7
22/02/2015	118,844,671	10,261,249.6	36,689,835	3,167,861.9	3,787,326	327,004.4
23/02/2015	131,976,043	11,351,936.2	43,124,547	3,709,363.1	4,877,709	419,556.5
24/02/2015	132,340,206	11,185,829.5	44,786,566	3,785,507.5	4,750,398	401,519.0
25/02/2015	120,584,663	10,184,641.8	44,883,711	3,790,901.3	4,576,114	386,500.5
26/02/2015	120,465,511	10,346,203.8	46,703,555	4,011,144.4	4,498,567	386,360.2
27/02/2015	126,366,414	10,858,471.6	48,498,779	4,167,425.4	4,678,057	401,978.6
28/02/2015	108,633,642	9,374,866.4	33,536,420	2,894,125.8	3,663,288	316,134.5
Totals	3,949,926,683	339,142,155.8	1,391,729,699	119,453,836.3	124,122,573	10,655,097.7

	Moffat	
	kWh	M3
Month Min	108,633,642	9,374,866.4
Month Max	175,477,373	15,105,134.4
Month Average	141,068,810	12,112,219.8
YTD Min	77,163,477	6,716,825.7
YTD Max	175,477,373	15,105,134.4
YTD Average	125,890,043	10,876,113.1

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
01/02/2015	0	0.0	0	0.0
02/02/2015	0	0.0	0	0.0
03/02/2015	0	0.0	0	0.0
04/02/2015	0	0.0	0	0.0
05/02/2015	0	0.0	10,000,000	851,987.2
06/02/2015	0	0.0	0	0.0
07/02/2015	5,000,259	432,200.4	0	0.0
08/02/2015	5,000,958	434,474.6	0	0.0
09/02/2015	0	0.0	0	0.0
10/02/2015	0	0.0	0	0.0
11/02/2015	0	0.0	0	0.0
12/02/2015	0	0.0	0	0.0
13/02/2015	0	0.0	0	0.0
14/02/2015	0	0.0	0	0.0
15/02/2015	0	0.0	0	0.0
16/02/2015	0	0.0	0	0.0
17/02/2015	0	0.0	0	0.0
18/02/2015	0	0.0	0	0.0
19/02/2015	0	0.0	0	0.0
20/02/2015	0	0.0	0	0.0
21/02/2015	0	0.0	0	0.0
22/02/2015	0	0.0	0	0.0
23/02/2015	0	0.0	0	0.0
24/02/2015	0	0.0	0	0.0
25/02/2015	0	0.0	0	0.0
26/02/2015	0	0.0	0	0.0
27/02/2015	0	0.0	0	0.0
28/02/2015	0	0.0	0	0.0
Totals	10,001,217	866,675.0	10,000,000	851,987.2

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	0.068839
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
01/02/2015	2.289529	2.218607	2.263981	2.263981	2.263981	2.446019	2.081943	26,441.85	(9,854.90)	0.00	0.00
02/02/2015	2.357560	2.230220	2.283697	2.283697	2.283697	2.466721	2.100673	75,173.33	(1,022.34)	0.00	0.00
03/02/2015	2.308111	2.163374	2.210234	2.210234	2.210234	2.389585	2.030883	46,800.67	(3,241.35)	0.00	0.00
04/02/2015	2.259713	2.202807	2.248181	2.248181	2.248181	2.429429	2.066933	66,346.94	(4,924.70)	0.00	0.00
05/02/2015	2.298583	2.231706	2.277080	2.277080	2.277080	2.459773	2.094387	21,432.72	(24,378.80)	0.00	(1,264.80)
06/02/2015	2.301620	2.231976	2.277350	2.277350	2.277350	2.460057	2.094644	9,719.80	(52,358.67)	0.00	0.00
07/02/2015	2.369387	2.252232	2.297606	2.297606	2.297606	2.481325	2.113887	228.80	(64,497.20)	0.00	(1,054.22)
08/02/2015	2.300877	2.213205	2.258579	2.258579	2.258579	2.440347	2.076811	4,866.24	(52,225.22)	0.00	0.00
09/02/2015	2.323399	2.235757	2.281131	2.281131	2.281131	2.464027	2.098235	67,916.65	(9,130.96)	0.00	0.00
10/02/2015	2.375068	2.289099	2.334473	2.334473	2.334473	2.520036	2.148910	37,377.80	(11,952.22)	0.00	0.00
11/02/2015	2.537452	2.442642	2.488016	2.488016	2.488016	2.681256	2.294776	5,467.85	(16,205.99)	0.00	0.00
12/02/2015	2.617543	2.516510	2.561884	2.561884	2.561884	2.758817	2.364951	17,814.22	(20,172.22)	0.00	0.00
13/02/2015	2.487097	2.394972	2.440346	2.440346	2.440346	2.631202	2.249490	1,638.30	(38,236.13)	0.00	0.00
14/02/2015	2.452499	2.367018	2.412392	2.412392	2.412392	2.601851	2.222933	4,253.23	(63,122.53)	0.00	(5,156.32)
15/02/2015	2.448457	2.362697	2.408071	2.408071	2.408071	2.597314	2.218828	7,198.52	(54,621.51)	0.00	(4,611.81)
16/02/2015	2.390378	2.304764	2.350138	2.350138	2.350138	2.536484	2.163792	18,011.52	(30,406.22)	0.00	0.00
17/02/2015	2.364004	2.282482	2.327856	2.327856	2.327856	2.513088	2.142624	15,193.24	(85,058.04)	0.00	(817.22)
18/02/2015	2.415627	2.314081	2.359456	2.359456	2.359456	2.546268	2.172644	18,131.50	(19,991.22)	0.00	(1,434.29)
19/02/2015	2.407101	2.307869	2.353244	2.353244	2.353244	2.539745	2.166743	17,151.90	(3,504.10)	1,421.37	0.00
20/02/2015	2.395619	2.286398	2.331772	2.331772	2.331772	2.517200	2.146344	15,261.74	(10,830.30)	2,627.20	0.00
21/02/2015	2.445321	2.337039	2.382413	2.382413	2.382413	2.570373	2.194453	20,221.04	(40,829.67)	4,498.31	0.00
22/02/2015	2.552639	2.366073	2.411447	2.411447	2.411447	2.621478	2.222036	40,030.48	(5,464.28)	3,120.58	0.00
23/02/2015	2.348612	2.241024	2.286398	2.286398	2.286398	2.469557	2.103239	28,212.30	(10,856.16)	136.67	0.00
24/02/2015	2.357571	2.234812	2.292745	2.292745	2.292745	2.476221	2.109269	11,559.22	(75,039.47)	0.00	(1,561.34)
25/02/2015	2.438046	2.321914	2.367288	2.367288	2.367288	2.554491	2.180085	1,703.10	(52,413.32)	0.00	(3,060.29)
26/02/2015	2.536501	2.410096	2.455471	2.455471	2.455471	2.647084	2.263858	47,381.14	(8,717.53)	2,511.29	0.00
27/02/2015	2.426766	2.294365	2.339739	2.339739	2.339739	2.525565	2.153913	2,580.94	(49,666.64)	1,498.90	0.00
28/02/2015	2.397862	2.246290	2.316512	2.316512	2.316512	2.501177	2.131847	8,980.28	(44,806.02)	0.00	(7,695.78)

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
01/02/2015	149,525,468	8,850,566	61,740,944
02/02/2015	196,142,377	11,130,482	69,359,970
03/02/2015	180,875,419	11,119,557	71,357,500
04/02/2015	191,924,624	11,185,778	69,625,735
05/02/2015	180,014,972	10,012,027	64,226,506
06/02/2015	169,772,540	9,951,576	61,578,578
07/02/2015	136,326,423	8,219,839	55,102,283
08/02/2015	148,709,177	8,564,227	58,243,166
09/02/2015	190,416,152	10,598,033	65,035,727
10/02/2015	188,066,818	10,656,906	64,078,690
11/02/2015	186,029,684	10,056,205	60,968,232
12/02/2015	151,051,514	9,497,141	58,285,586
13/02/2015	156,316,408	8,924,892	54,627,697
14/02/2015	135,602,097	7,491,614	47,029,350
15/02/2015	107,954,849	7,333,393	47,611,840
16/02/2015	145,128,803	10,109,480	55,136,959
17/02/2015	127,694,805	9,632,510	56,002,296
18/02/2015	115,877,624	8,937,034	48,402,574
19/02/2015	140,547,852	9,482,010	51,006,000
20/02/2015	146,799,498	9,521,045	58,084,067
21/02/2015	125,947,973	7,903,383	55,439,579
22/02/2015	106,699,118	7,501,777	54,025,390
23/02/2015	115,098,834	10,391,274	65,375,944
24/02/2015	130,451,316	9,940,406	59,861,032
25/02/2015	124,785,695	8,862,348	49,889,972
26/02/2015	122,295,498	9,735,336	53,129,539
27/02/2015	128,910,097	9,105,711	56,351,866
28/02/2015	105,865,235	7,209,798	48,046,947
Totals	4,104,830,870	261,924,348	1,619,623,969

Cleansed Totals	4,105,870,898	262,323,053	1,618,326,485
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Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	105,865,235	7,209,798	47,029,350
Month Max	196,142,377	11,185,778	71,357,500
Month Average	146,601,103	9,354,441	57,843,713
YTD Min	90,160,245	4,815,807	13,700,874
YTD Max	196,142,377	11,185,778	73,463,279
YTD Average	139,003,767	8,327,117	46,534,334
YTD Rolling Total	20,989,568,800	1,257,394,615	7,026,684,388

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	4,105,648,404	214,242,048	742,420,029
YTD Max	4,345,335,144	289,318,749	1,817,881,859
YTD Average	4,199,963,136	252,278,145	1,405,092,271
YTD Rolling Total	20,999,815,680	1,261,390,723	7,025,461,354

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)
01/02/2015	11.64	11.60	11.35	11.59	11.59	11.60	11.64	11.60	11.61
02/02/2015	11.54	11.59	11.45	11.59	11.60	11.63	11.62	11.62	11.62
03/02/2015	11.64	11.62	11.41	11.59	11.62	11.62	11.62	11.62	11.44
04/02/2015	11.63	11.60	11.36	11.60	11.62	11.73	11.60	11.67	11.61
05/02/2015	11.60	11.62	11.42	11.63	11.75	11.79	11.74	11.68	11.62
06/02/2015	11.65	11.64	11.42	11.59	11.79	11.79	11.73	11.71	11.71
07/02/2015	11.60	11.62	11.43	11.67	11.71	11.62	11.85	11.81	11.80
08/02/2015	11.76	11.79	11.48	11.81	11.61	11.59	11.62	11.77	11.80
09/02/2015	11.82	11.79	11.53	11.75	11.55	11.52	11.59	11.59	11.65
10/02/2015	11.77	11.81	11.54	11.62	11.50	11.50	11.55	11.57	11.57
11/02/2015	11.68	11.64	11.52	11.50	11.51	11.57	11.48	11.50	11.51
12/02/2015	11.55	11.57	11.43	11.57	11.65	11.72	11.61	11.52	11.52
13/02/2015	11.52	11.51	11.38	11.55	11.68	11.69	11.74	11.58	11.60
14/02/2015	11.50	11.51	11.36	11.57	11.63	11.62	11.64	11.53	11.67
15/02/2015	11.51	11.57	11.34	11.60	11.61	11.65	11.61	11.67	11.72
16/02/2015	11.65	11.70	11.45	11.65	11.64	11.65	11.66	11.63	11.63
17/02/2015	11.74	11.69	11.39	11.68	11.62	11.62	11.66	11.63	11.64
18/02/2015	11.67	11.60	11.38	11.62	11.60	11.61	11.60	11.62	11.66
19/02/2015	11.59	11.65	11.40	11.62	11.60	11.62	11.60	11.64	11.63
20/02/2015	11.65	11.65	11.49	11.64	11.60	11.60	11.62	11.61	11.62
21/02/2015	11.67	11.61	11.36	11.61	11.60	11.60	11.59	11.64	11.62
22/02/2015	11.56	11.62	11.43	11.61	11.58	11.57	11.60	11.65	11.62
23/02/2015	11.63	11.61	11.41	11.60	11.56	11.56	11.58	11.61	11.61
24/02/2015	11.62	11.60	11.34	11.62	11.55	11.59	11.54	11.55	11.60
25/02/2015	11.61	11.61	11.31	11.59	11.60	11.62	11.54	11.58	11.57
26/02/2015	11.61	11.58	11.34	11.56	11.66	11.83	11.63	11.56	11.57
27/02/2015	11.60	11.57	11.34	11.61	11.85	11.84	11.71	11.63	11.61
28/02/2015	11.53	11.56	11.30	11.60	11.81	11.64	11.86	11.60	11.69

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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 : **85,213,013 kWh**

Transmission Shrinkage % of Entry Throughput was 1.36% for the 12 month period Mar-14 to Feb-15