



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	March
Gas Year	2016

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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
01/03/2016	60,674,349	5,282,849.2	42,675,244	3,715,687.4	4,565,506	397,513.5	57,898,283
02/03/2016	75,369,630	6,555,658.8	41,690,720	3,626,263.4	4,907,808	426,881.5	52,343,714
03/03/2016	97,692,977	8,469,273.6	56,594,211	4,906,308.0	4,673,114	405,125.5	57,979,309
04/03/2016	83,062,013	7,208,201.8	53,504,411	4,643,165.1	4,901,746	425,378.6	60,229,253
05/03/2016	85,331,807	7,403,293.7	48,760,355	4,230,394.4	4,487,786	389,355.6	60,076,137
06/03/2016	97,947,483	8,506,469.7	45,725,944	3,971,172.7	4,345,863	377,426.2	60,360,622
07/03/2016	106,670,630	9,231,149.6	56,623,643	4,900,142.9	3,462,769	299,664.3	57,618,058
08/03/2016	98,712,797	8,529,505.8	59,176,216	5,113,257.2	4,280,612	369,875.8	47,373,841
09/03/2016	103,261,543	8,913,519.8	47,742,525	4,121,126.6	4,489,120	387,500.2	38,888,932
10/03/2016	100,937,620	8,710,714.5	52,911,067	4,566,119.6	4,468,221	385,598.3	60,507,543
11/03/2016	67,331,784	5,813,539.3	41,383,339	3,573,106.8	4,723,213	407,810.1	60,025,165
12/03/2016	66,920,990	5,780,997.7	44,011,807	3,801,977.8	4,396,698	379,810.4	55,945,837
13/03/2016	50,759,591	4,385,998.8	49,424,838	4,270,666.4	4,112,630	355,361.4	60,657,309
14/03/2016	68,928,651	5,951,416.0	51,726,030	4,466,112.7	4,410,678	380,825.3	77,660,731
15/03/2016	81,968,745	7,113,327.1	51,212,956	4,444,310.3	4,353,648	377,813.8	69,653,313
16/03/2016	82,239,750	7,151,398.9	52,390,697	4,555,786.9	4,355,683	378,761.4	60,344,499
17/03/2016	75,216,604	6,537,348.4	53,151,915	4,619,625.8	4,447,673	386,563.0	60,283,003
18/03/2016	95,484,611	8,309,499.7	61,869,299	5,384,143.8	4,449,625	387,226.3	60,280,384
19/03/2016	85,499,592	7,427,295.4	56,984,142	4,950,176.2	4,339,778	376,994.1	60,300,098
20/03/2016	76,701,872	6,692,012.8	42,491,044	3,707,218.7	4,256,874	371,399.5	60,346,778
21/03/2016	110,276,685	9,648,460.4	58,804,045	5,144,954.4	4,563,324	399,259.9	60,369,771
22/03/2016	108,582,492	9,478,351.0	53,509,068	4,670,897.6	4,537,240	396,063.6	60,401,383
23/03/2016	101,543,062	8,769,619.2	50,555,831	4,366,180.7	4,539,254	392,025.9	60,307,665
24/03/2016	85,278,360	7,396,776.1	52,205,570	4,528,146.4	4,632,160	401,778.6	60,439,590
25/03/2016	59,893,445	5,371,138.0	44,197,078	3,963,516.1	4,145,478	371,759.6	60,437,809
26/03/2016	53,051,713	4,849,370.5	40,446,236	3,697,123.9	4,190,367	383,034.1	57,811,113
27/03/2016	63,409,244	5,497,122.4	39,520,261	3,426,120.8	3,879,530	336,326.9	60,624,244
28/03/2016	87,629,415	7,602,631.8	37,224,603	3,229,565.8	4,088,620	354,724.6	44,274,040
29/03/2016	96,586,958	8,379,778.4	41,305,256	3,583,598.6	4,406,022	382,261.8	59,091,773
30/03/2016	100,346,875	8,679,495.8	42,695,795	3,692,969.7	4,353,364	376,544.0	60,305,414
31/03/2016	85,039,783	7,355,510.0	45,173,372	3,907,267.5	4,270,066	369,339.4	60,736,538
Totals	2,612,351,071	227,001,723.9	1,515,687,518	131,777,104.2	136,034,470	11,830,003.3	1,823,572,149

	Moffat	
	kWh	M3
Month Min	50,759,591	4,385,998.8
Month Max	110,276,685	9,648,460.4
Month Average	84,269,389	7,322,636.3
YTD Min	42,157,679	3,614,351.1
YTD Max	167,675,316	14,386,340.0
YTD Average	106,360,604	9,157,325.9

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
01/03/2016	0	0.0	2,500,000	217,663.7
02/03/2016	0	0.0	2,500,000	217,474.2
03/03/2016	0	0.0	0	0.0
04/03/2016	0	0.0	0	0.0
05/03/2016	0	0.0	0	0.0
06/03/2016	0	0.0	0	0.0
07/03/2016	0	0.0	0	0.0
08/03/2016	0	0.0	2,500,000	216,052.8
09/03/2016	0	0.0	2,500,000	215,768.5
10/03/2016	0	0.0	0	0.0
11/03/2016	0	0.0	0	0.0
12/03/2016	0	0.0	0	0.0
13/03/2016	0	0.0	0	0.0
14/03/2016	0	0.0	2,500,000	215,863.3
15/03/2016	0	0.0	5,000,000	433,906.0
16/03/2016	0	0.0	10,000,000	869,612.5
17/03/2016	0	0.0	5,000,000	434,569.4
18/03/2016	0	0.0	5,000,000	435,137.9
19/03/2016	0	0.0	0	0.0
20/03/2016	0	0.0	0	0.0
21/03/2016	0	0.0	5,000,000	437,506.9
22/03/2016	0	0.0	5,000,000	436,464.6
23/03/2016	0	0.0	0	0.0
24/03/2016	0	0.0	2,500,000	216,810.9
25/03/2016	0	0.0	0	0.0
26/03/2016	0	0.0	0	0.0
27/03/2016	0	0.0	3,000,000	260,116.2
28/03/2016	0	0.0	0	0.0
29/03/2016	0	0.0	0	0.0
30/03/2016	0	0.0	0	0.0
31/03/2016	0	0.0	3,000,000	259,452.9
Totals	0	0.0	56,000,000	4,866,399.8

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	0.057534
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
01/03/2016	1.377506	1.276468	1.325045	1.325045	1.325045	1.448831	1.201259
02/03/2016	1.403178	1.295053	1.343630	1.343630	1.343630	1.468346	1.218915
03/03/2016	1.412798	1.305050	1.353628	1.353628	1.353628	1.478843	1.228413
04/03/2016	1.403663	1.296847	1.345425	1.345425	1.345425	1.470230	1.220620
05/03/2016	1.411194	1.303512	1.352090	1.352090	1.352090	1.477229	1.226952
06/03/2016	1.348563	1.241349	1.289926	1.289926	1.289926	1.411956	1.167896
07/03/2016	1.370129	1.262753	1.311331	1.311331	1.311331	1.434432	1.188230
08/03/2016	1.431811	1.327096	1.375673	1.375673	1.375673	1.501991	1.249355
09/03/2016	1.383029	1.270187	1.318765	1.318765	1.318765	1.442237	1.195293
10/03/2016	1.437154	1.316201	1.364779	1.364779	1.364779	1.494688	1.239006
11/03/2016	1.301630	1.197386	1.245963	1.245963	1.245963	1.365795	1.126131
12/03/2016	1.288681	1.181749	1.230326	1.230326	1.230326	1.349376	1.111276
13/03/2016	1.289326	1.182389	1.230967	1.230967	1.230967	1.350049	1.111885
14/03/2016	1.296688	1.189695	1.238273	1.238273	1.238273	1.357721	1.118825
15/03/2016	1.383650	1.292489	1.341067	1.341067	1.341067	1.465654	1.216480
16/03/2016	1.341166	1.256217	1.304794	1.304794	1.304794	1.427568	1.182020
17/03/2016	1.342146	1.248398	1.296976	1.296976	1.296976	1.419359	1.174593
18/03/2016	1.401580	1.301462	1.350039	1.350039	1.350039	1.475075	1.225003
19/03/2016	1.355759	1.263523	1.312100	1.312100	1.312100	1.435239	1.188961
20/03/2016	1.327790	1.235453	1.284030	1.284030	1.284030	1.405766	1.162295
21/03/2016	1.288328	1.195848	1.244425	1.244425	1.244425	1.364180	1.124670
22/03/2016	1.259551	1.174827	1.223405	1.223405	1.223405	1.342109	1.104701
23/03/2016	1.313161	1.232248	1.280826	1.280826	1.280826	1.402401	1.159251
24/03/2016	1.303301	1.221482	1.270059	1.270059	1.270059	1.391096	1.149022
25/03/2016	1.210835	1.093310	1.168931	1.168931	1.168931	1.284912	1.035776
26/03/2016	1.203569	1.113048	1.161626	1.161626	1.161626	1.277241	1.046011
27/03/2016	1.230338	1.139964	1.188542	1.188542	1.188542	1.305503	1.071581
28/03/2016	1.273422	1.183287	1.231864	1.231864	1.231864	1.350991	1.112737
29/03/2016	1.292160	1.202128	1.250705	1.250705	1.250705	1.370774	1.130636
30/03/2016	1.272588	1.184568	1.233146	1.233146	1.233146	1.352337	1.113955
31/03/2016	1.264481	1.185722	1.234299	1.234299	1.234299	1.353548	1.115050

	Total First Tier Cost €		Total Second Tier Cost €	
	Buy	Sell	Buy	Sell
01/03/2016	8,648.37	(12,833.90)	427.27	0.00
02/03/2016	6,959.79	(21,747.94)	0.00	0.00
03/03/2016	5,260.43	(5,969.26)	0.00	(99.16)
04/03/2016	13,816.83	(16,889.93)	1,837.17	(9,061.71)
05/03/2016	8,331.03	(15,248.89)	0.00	(3,414.21)
06/03/2016	1,796.16	(22,425.81)	0.00	(2,677.04)
07/03/2016	13,025.32	(30,894.20)	880.55	0.00
08/03/2016	5,150.45	(18,200.53)	0.00	(1,542.67)
09/03/2016	7,621.75	(23,567.11)	0.00	(1,613.46)
10/03/2016	184.53	(38,516.23)	0.00	(1,721.55)
11/03/2016	3,443.56	(28,860.28)	0.00	(1,536.37)
12/03/2016	5,603.12	(41,854.52)	0.00	(16,596.25)
13/03/2016	4,648.74	(36,399.03)	0.00	(20,389.18)
14/03/2016	4,780.50	(58,513.09)	0.00	(78,958.91)
15/03/2016	6,003.55	(28,034.01)	0.00	(29,052.03)
16/03/2016	12,976.09	(4,895.54)	1,602.86	0.00
17/03/2016	27,385.17	(8,140.77)	1,986.62	(513.06)
18/03/2016	11,677.25	(10,100.92)	0.00	(253.44)
19/03/2016	15,297.47	(13,518.56)	0.00	(784.50)
20/03/2016	1,397.54	(21,431.41)	0.00	(8,473.90)
21/03/2016	12,309.61	(9,013.95)	957.45	0.00
22/03/2016	11,886.70	(8,718.30)	682.40	0.00
23/03/2016	10,619.61	(48,421.29)	0.00	(1,003.36)
24/03/2016	4,985.90	(13,955.96)	0.00	0.00
25/03/2016	13,340.94	(30,854.31)	1,856.63	(11,829.86)
26/03/2016	25,185.72	(20,760.09)	7,101.18	(25,911.86)
27/03/2016	2,056.48	(31,847.70)	679.72	(4,535.06)
28/03/2016	55,363.28	(10,198.25)	9,935.08	(3,997.62)
29/03/2016	14,918.12	(22,678.56)	3,556.42	(657.85)
30/03/2016	14,791.51	(6,797.55)	889.99	0.00
31/03/2016	752.55	(29,837.06)	0.00	(3,502.16)

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
01/03/2016	124,532,283	10,057,864	49,654,484
02/03/2016	123,200,691	10,804,200	59,935,016
03/03/2016	166,545,304	10,597,153	57,760,982
04/03/2016	139,853,602	10,620,918	66,286,656
05/03/2016	152,267,603	8,775,410	54,679,624
06/03/2016	159,884,955	8,627,499	55,610,714
07/03/2016	170,149,320	10,939,033	59,967,643
08/03/2016	168,104,522	10,681,060	55,279,978
09/03/2016	150,727,449	10,836,556	54,374,067
10/03/2016	175,219,894	9,623,424	48,054,136
11/03/2016	135,922,808	8,915,004	44,237,985
12/03/2016	142,483,475	7,012,963	35,254,371
13/03/2016	135,154,742	6,900,236	33,071,999
14/03/2016	154,287,524	10,044,533	40,316,335
15/03/2016	166,872,287	10,130,718	42,994,087
16/03/2016	168,503,836	9,683,231	45,253,336
17/03/2016	164,430,785	8,511,335	43,274,023
18/03/2016	186,234,301	9,196,024	49,076,975
19/03/2016	171,284,197	7,879,931	45,607,835
20/03/2016	150,388,487	7,719,480	41,323,249
21/03/2016	197,916,208	9,999,272	49,278,529
22/03/2016	193,086,583	9,977,566	47,272,524
23/03/2016	179,347,122	9,635,055	42,953,353
24/03/2016	168,388,586	9,530,325	44,374,445
25/03/2016	126,401,741	8,414,086	37,845,886
26/03/2016	114,291,009	6,968,785	37,159,892
27/03/2016	123,469,897	7,459,486	37,146,278
28/03/2016	136,224,954	7,910,078	44,867,091
29/03/2016	161,164,065	10,095,594	45,637,787
30/03/2016	167,280,130	10,013,293	45,070,991
31/03/2016	153,342,856	9,513,851	41,778,724
Totals	4,826,961,216	287,073,963	1,455,398,995

Cleansed Totals	4,826,378,072	287,374,021	1,428,020,852
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Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	114,291,009	6,900,236	33,071,999
Month Max	197,916,208	10,939,033	66,286,656
Month Average	155,708,426	9,260,450	46,948,355
YTD Min	95,646,619	5,270,693	19,515,192
YTD Max	200,629,057	11,405,851	71,453,307
YTD Average	145,458,030	8,675,709	43,694,062
YTD Rolling Total	26,618,819,484	1,587,654,795	7,996,013,278

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	3,885,125,083	232,317,765	812,486,644
YTD Max	4,826,378,072	288,055,274	1,724,663,102
YTD Average	4,436,227,408	265,282,963	1,347,521,900
YTD Rolling Total	26,617,364,448	1,591,697,776	8,085,131,402

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

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5. Gas Quality

	Ballygarraun AGI - Supply to Galway (kWh/Nm3)	Ballyveelish AGI - Supply to Clonmel (kWh/Nm3)	Barnakyle AGI - Supply to Adare (kWh/Nm3)	Caherlag AGI - Supply to Cork & Ballincollig (kWh/Nm3)	Curraleigh West (kWh/Nm3)	Dublin City (kWh/Nm3)	Gormanston - Node (kWh/Nm3)	Ories AGI - Supply to Athlone (kWh/Nm3)	Springhill AGI - Supply to Carlow (kWh/Nm3)
01/03/2016	11.04	11.19	10.99	11.26	11.04	11.47	11.48	10.99	11.49
02/03/2016	11.03	11.07	11.06	11.26	11.04	11.47	11.49	11.01	11.45
03/03/2016	11.03	11.03	11.04	11.24	11.04	11.48	11.49	11.02	11.45
04/03/2016	11.04	11.03	11.02	11.23	11.04	11.42	11.48	11.02	11.48
05/03/2016	11.04	11.08	11.03	11.23	11.04	11.38	11.52	10.98	11.33
06/03/2016	11.04	11.40	11.03	11.16	11.04	11.52	11.52	10.98	11.28
07/03/2016	11.03	11.48	11.05	11.19	11.04	11.51	11.53	11.04	11.35
08/03/2016	11.03	11.53	11.05	11.26	11.05	11.52	11.50	10.98	11.53
09/03/2016	11.03	11.52	11.03	11.33	11.04	11.51	11.54	11.01	11.54
10/03/2016	11.03	11.52	11.00	11.24	11.04	11.54	11.57	11.00	11.48
11/03/2016	11.04	11.55	11.04	11.27	11.04	11.55	11.56	10.99	11.57
12/03/2016	11.04	11.19	11.01	11.29	11.04	11.53	11.58	11.04	11.50
13/03/2016	11.03	11.03	11.07	11.26	11.04	11.36	11.60	11.01	11.55
14/03/2016	11.04	11.03	11.02	11.18	11.04	11.32	11.58	10.98	11.47
15/03/2016	11.03	11.03	11.02	11.11	11.04	11.41	11.59	11.00	11.16
16/03/2016	11.04	11.03	11.04	11.14	11.04	11.57	11.58	11.02	11.09
17/03/2016	11.03	11.03	11.05	11.23	11.04	11.51	11.58	11.00	11.20
18/03/2016	11.03	11.03	11.02	11.18	11.04	11.55	11.51	11.05	11.26
19/03/2016	11.03	11.03	11.05	11.18	11.04	11.48	11.50	10.94	11.35
20/03/2016	11.04	11.02	10.98	11.19	11.04	11.38	11.50	11.02	11.36
21/03/2016	11.03	11.03	11.03	11.17	11.04	11.44	11.49	11.02	11.33
22/03/2016	11.03	11.09	11.03	11.16	11.04	11.49	11.48	10.99	11.27
23/03/2016	11.03	11.12	11.10	11.13	11.04	11.45	11.44	11.05	11.35
24/03/2016	11.03	11.03	10.96	11.21	11.04	11.42	11.43	10.99	11.36
25/03/2016	11.03	11.03	11.02	11.21	11.04	11.44	11.46	11.01	11.35
26/03/2016	11.03	11.03	11.10	11.23	11.04	11.43	11.53	11.00	11.41
27/03/2016	11.03	11.03	11.02	11.23	11.04	11.32	11.57	10.97	11.43
28/03/2016	11.03	11.03	11.01	11.24	11.04	11.44	11.52	11.00	11.23
29/03/2016	11.04	11.03	11.06	11.14	11.04	11.51	11.53	11.02	11.24
30/03/2016	11.03	11.03	11.03	11.16	11.04	11.52	11.53	11.02	11.34
31/03/2016	11.04	11.03	11.02	11.14	11.04	11.50	11.51	11.03	11.43

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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 : **95,497,000 kWh**

Transmission Shrinkage % of Entry Throughput was 1.59% for the 12 month period Apr-15 to Mar-16