



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	July
Gas Year	2010

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1. Entry Point Energy / Volume of Gas

	MOFFAT		PTL		Isle Of Man	
	Total (kWh)	Total (KCM)	Total (kWh)	Total (KCM)	Total (kWh)	Total (KCM)
01/07/2010	146,448,553	13,286.7	44,666,046	4,052.4	3,663,135	323.3
02/07/2010	141,669,371	12,898.6	38,431,121	3,499.0	3,510,619	319.6
03/07/2010	131,447,399	11,952.8	35,395,403	3,218.6	3,302,055	300.3
04/07/2010	117,511,975	10,761.7	33,523,600	3,070.1	3,308,501	303.0
05/07/2010	159,616,032	14,610.2	45,705,867	4,183.6	3,300,605	302.1
06/07/2010	149,551,341	13,668.1	37,838,771	3,458.2	3,598,929	328.9
07/07/2010	135,919,323	12,390.7	35,452,729	3,232.0	3,572,067	325.6
08/07/2010	164,333,443	15,003.8	37,555,636	3,428.9	3,533,013	322.6
09/07/2010	158,391,096	14,457.6	38,822,403	3,543.6	3,642,078	332.4
10/07/2010	140,335,177	12,725.6	24,947,798	2,262.3	3,472,993	314.9
11/07/2010	148,035,429	13,464.6	22,535,934	2,049.8	3,317,526	301.7
12/07/2010	157,386,155	14,318.7	23,175,068	2,108.4	3,460,587	314.8
13/07/2010	139,781,995	12,726.7	23,962,605	2,181.7	3,498,617	318.5
14/07/2010	155,263,236	14,129.1	22,604,860	2,057.1	3,509,400	319.4
15/07/2010	157,341,040	14,321.8	24,329,557	2,214.6	3,495,961	318.2
16/07/2010	144,631,441	13,121.8	23,213,340	2,106.0	3,488,769	316.5
17/07/2010	135,967,637	12,342.0	22,745,902	2,064.7	3,330,732	302.3
18/07/2010	129,807,315	11,753.2	18,444,043	1,670.0	3,382,214	306.2
19/07/2010	157,206,652	14,166.3	20,206,588	1,820.9	3,664,234	330.2
20/07/2010	153,890,491	13,877.9	20,808,978	1,876.6	3,556,282	320.7
21/07/2010	144,622,382	13,029.0	22,246,656	2,004.2	3,508,566	316.1
22/07/2010	158,051,373	14,368.3	20,855,195	1,895.9	3,515,850	319.6
23/07/2010	157,191,726	14,293.8	26,629,748	2,421.5	3,178,309	289.0
24/07/2010	142,489,834	12,891.8	24,085,234	2,179.1	3,480,813	314.9
25/07/2010	133,957,047	12,144.2	23,333,987	2,115.4	3,342,104	303.0
26/07/2010	146,386,106	13,260.9	25,486,113	2,308.8	3,494,534	316.6
27/07/2010	147,505,666	13,258.9	21,858,919	1,964.8	3,491,318	313.8
28/07/2010	139,491,739	12,485.6	25,430,931	2,276.3	3,510,490	314.2
29/07/2010	145,685,773	13,043.2	25,819,085	2,311.6	3,528,779	315.9
30/07/2010	134,799,432	12,023.7	20,793,388	1,854.7	3,618,335	322.7
31/07/2010	122,977,135	11,182.6	25,140,137	2,286.0	3,482,120	316.6
Totals	4,497,693,314	407,959.9	856,045,642	77,716.6	107,659,535	9,764.0

	Moffat	
	kWh	KCM
Month Min	117,511,975	10,761.7
Month Max	164,333,443	15,003.8
Month Average	145,086,881	13,160.0
YTD Min	103,058,461	9,263.7
YTD Max	212,566,942	19,236.8
YTD Average	156,749,105	14,166.0

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)	(KCM)	(kWh)	(KCM)
01/07/2010	0	0.0	0	0.0
02/07/2010	0	0.0	0	0.0
03/07/2010	0	0.0	0	0.0
04/07/2010	0	0.0	0	0.0
05/07/2010	0	0.0	0	0.0
06/07/2010	0	0.0	0	0.0
07/07/2010	0	0.0	10,000,000	911.6
08/07/2010	0	0.0	0	0.0
09/07/2010	0	0.0	0	0.0
10/07/2010	0	0.0	0	0.0
11/07/2010	0	0.0	0	0.0
12/07/2010	0	0.0	0	0.0
13/07/2010	0	0.0	6,573,000	598.5
14/07/2010	0	0.0	6,000,000	546.0
15/07/2010	0	0.0	0	0.0
16/07/2010	0	0.0	0	0.0
17/07/2010	0	0.0	0	0.0
18/07/2010	0	0.0	0	0.0
19/07/2010	0	0.0	0	0.0
20/07/2010	0	0.0	0	0.0
21/07/2010	0	0.0	0	0.0
22/07/2010	0	0.0	0	0.0
23/07/2010	0	0.0	0	0.0
24/07/2010	0	0.0	0	0.0
25/07/2010	0	0.0	0	0.0
26/07/2010	0	0.0	0	0.0
27/07/2010	0	0.0	0	0.0
28/07/2010	0	0.0	0	0.0
29/07/2010	0	0.0	0	0.0
30/07/2010	0	0.0	0	0.0
31/07/2010	0	0.0	0	0.0
Totals	0	0.0	22,573,000	2,056.1

Balancing 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 Flows)

Balancing Transportation Cost €/kWh	0.03
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
	01/07/2010	1.89		1.82	1.86	1.86	1.86
02/07/2010	1.90	1.83	1.87	1.87	1.87	1.99	1.74
03/07/2010	1.91	1.80	1.87	1.87	1.87	2.00	1.75
04/07/2010	1.91	1.84	1.88	1.88	1.88	2.01	1.75
05/07/2010	2.00	1.93	1.97	1.97	1.97	2.10	1.83
06/07/2010	2.03	1.94	1.99	1.99	1.99	2.13	1.86
07/07/2010	2.20	2.02	2.06	2.06	2.06	2.24	1.92
08/07/2010	2.12	2.01	2.05	2.05	2.05	2.19	1.91
09/07/2010	2.10	2.03	2.07	2.07	2.07	2.20	1.93
10/07/2010	2.09	2.02	2.06	2.06	2.06	2.19	1.92
11/07/2010	2.11	2.04	2.07	2.07	2.07	2.21	1.94
12/07/2010	2.14	2.06	2.10	2.10	2.10	2.24	1.96
13/07/2010	2.09	2.02	2.06	2.06	2.06	2.20	1.92
14/07/2010	2.00	1.93	1.97	1.97	1.97	2.10	1.84
15/07/2010	2.01	1.94	1.98	1.98	1.98	2.11	1.84
16/07/2010	1.97	1.87	1.94	1.94	1.94	2.07	1.81
17/07/2010	1.97	1.90	1.93	1.93	1.93	2.06	1.80
18/07/2010	1.94	1.83	1.90	1.90	1.90	2.03	1.78
19/07/2010	1.89	1.79	1.85	1.85	1.85	1.98	1.73
20/07/2010	1.74	1.62	1.70	1.70	1.70	1.82	1.58
21/07/2010	1.80	1.70	1.73	1.73	1.73	1.85	1.61
22/07/2010	1.81	1.74	1.78	1.78	1.78	1.90	1.66
23/07/2010	1.77	1.70	1.73	1.73	1.73	1.85	1.61
24/07/2010	1.83	1.76	1.80	1.80	1.80	1.92	1.67
25/07/2010	1.86	1.77	1.81	1.81	1.81	1.93	1.69
26/07/2010	1.80	1.73	1.77	1.77	1.77	1.89	1.65
27/07/2010	1.88	1.69	1.75	1.75	1.75	1.91	1.63
28/07/2010	1.78	1.71	1.74	1.74	1.74	1.86	1.62
29/07/2010	1.78	1.71	1.75	1.75	1.75	1.87	1.63
30/07/2010	1.81	1.73	1.77	1.77	1.77	1.89	1.65
31/07/2010	1.84	1.76	1.80	1.80	1.80	1.92	1.68

	Total First Tier Cost (€)		Total Second Tier Cost (€)	
	Buy	Sell	Buy	Sell
	01/07/2010	14,934.25	(12,387.20)	0.00
02/07/2010	32,551.93	(1,101.33)	0.00	0.00
03/07/2010	1,687.45	(34,221.97)	0.00	0.00
04/07/2010	3,751.07	(13,780.83)	0.00	0.00
05/07/2010	22,539.05	(14,798.21)	0.00	0.00
06/07/2010	16,711.23	(19,568.01)	0.00	0.00
07/07/2010	27,743.87	(4,308.30)	0.00	0.00
08/07/2010	30,383.84	(17,713.56)	0.00	(103.42)
09/07/2010	34,345.34	(9,540.68)	0.00	(153.33)
10/07/2010	7,020.34	(33,308.64)	0.00	0.00
11/07/2010	2,360.43	(43,625.26)	0.00	0.00
12/07/2010	8,632.97	(28,928.27)	0.00	0.00
13/07/2010	41,909.40	(8,254.81)	0.00	0.00
14/07/2010	43,566.50	(22,629.81)	0.00	0.00
15/07/2010	18,433.29	(14,700.16)	0.00	0.00
16/07/2010	31,191.72	(2,881.86)	0.00	0.00
17/07/2010	6,809.63	(51,962.86)	0.00	0.00
18/07/2010	4,571.07	(79,611.23)	53.95	0.00
19/07/2010	7,457.33	(32,114.76)	0.00	0.00
20/07/2010	1,489.42	(29,565.12)	0.00	0.00
21/07/2010	12,131.98	(11,100.72)	0.00	0.00
22/07/2010	22,861.95	(10,208.67)	0.00	0.00
23/07/2010	14,419.27	(33,066.96)	0.00	0.00
24/07/2010	13,561.47	(14,190.44)	0.00	0.00
25/07/2010	5,158.13	(23,079.04)	0.00	(755.13)
26/07/2010	6,424.67	(12,868.65)	0.00	0.00
27/07/2010	5,919.63	(2,227.10)	0.00	0.00
28/07/2010	4,687.65	(12,069.90)	0.00	0.00
29/07/2010	661.73	(37,044.59)	0.00	0.00
30/07/2010	1,550.55	(20,007.01)	0.00	0.00
31/07/2010	22,442.51	(8,517.97)	0.00	0.00

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 Multiplier 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 Multiplier 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)
01/07/2010	165,376,267	5,958,076	7,991,653
02/07/2010	155,938,759	5,731,730	7,855,269
03/07/2010	141,036,151	4,452,016	7,246,860
04/07/2010	126,926,387	4,296,856	6,789,999
05/07/2010	178,424,676	6,305,484	8,194,663
06/07/2010	159,499,746	6,435,689	9,262,063
07/07/2010	158,479,926	6,311,776	8,387,468
08/07/2010	174,972,637	6,260,211	9,443,361
09/07/2010	177,048,303	5,819,873	9,803,282
10/07/2010	146,170,402	4,420,698	8,884,892
11/07/2010	149,970,028	4,242,242	8,022,210
12/07/2010	158,525,226	6,032,199	8,908,060
13/07/2010	146,274,224	6,392,864	10,215,451
14/07/2010	159,867,212	6,159,346	9,171,561
15/07/2010	156,028,830	6,134,652	9,949,434
16/07/2010	144,461,648	5,814,225	10,003,028
17/07/2010	133,431,900	4,537,267	9,459,007
18/07/2010	122,891,614	4,286,032	8,109,403
19/07/2010	153,052,277	5,937,706	8,572,571
20/07/2010	149,834,662	6,008,371	8,399,162
21/07/2010	142,154,043	6,147,377	9,190,493
22/07/2010	153,469,510	5,936,914	9,849,752
23/07/2010	157,838,649	5,355,269	8,918,798
24/07/2010	144,087,080	4,370,728	7,807,577
25/07/2010	134,543,323	4,229,305	7,090,758
26/07/2010	148,373,856	5,597,297	7,427,656
27/07/2010	147,023,586	5,838,661	7,981,908
28/07/2010	148,662,538	5,708,240	8,097,398
29/07/2010	153,776,544	5,438,230	8,106,225
30/07/2010	139,039,176	5,083,125	8,464,064
31/07/2010	132,215,855	4,056,464	8,219,298
Totals	4,659,395,035	169,298,923	265,823,324

Cleansed Totals	LDM Sector (kWh)	DM Sector (kWh)	NDM Sector (kWh)
	4,658,725,850	169,270,467	265,866,632

The LDM value includes the offtake at Twynholm (PTL) and Glen Moorar (Isle of Man)

Physical Daily Totals Analysis

	LDM Sector (kWh)	DM Sector (kWh)	NDM Sector (kWh)
Month Min	122,891,614	4,056,464	6,789,999
Month Max	178,424,676	6,435,689	10,215,451
Month Average	150,303,066	5,461,256	8,574,946
YTD Min	115,860,269	4,056,464	6,551,319
YTD Max	223,456,942	11,307,108	95,215,547
YTD Average	168,260,014	7,610,677	38,733,216
YTD Rolling Total	51,151,044,397	2,313,645,790	11,774,897,749

Cleansed Monthly Totals Analysis

	LDM sector (kWh)	DM Sector (kWh)	NDM Sector (kWh)
YTD Min	4,658,725,850	169,270,467	265,866,632
YTD Max	5,682,311,981	290,727,125	2,193,293,906
YTD Average	5,114,904,240	232,511,921	1,178,657,266
YTD Rolling Total	51,149,042,398	2,325,119,207	11,786,572,655

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5. Gas Quality

	Curraleigh West (MJ/m3)	Caherlag Exit Point (MJ/m3)	Dublin City (MJ/m3)	Barnakyle - Adare (MJ/m3)	Ballyveelish (Clonmel) (MJ/m3)	Gormanston - Node (MJ/m3)	Ories (MJ/m3)	Springhill - Carlow By Diff. (MJ/m3)	Ballygarraun Co Galway (MJ/m3)
01/07/2010	39.41	39.50	39.36	39.54	39.44	39.44	39.00	38.41	39.53
02/07/2010	39.45	39.40	39.39	39.09	39.48	39.64	39.92	40.00	39.42
03/07/2010	39.45	39.41	39.55	39.50	39.52	39.59	39.56	39.49	39.39
04/07/2010	39.59	39.45	39.39	39.70	39.69	39.54	39.13	39.67	39.46
05/07/2010	39.55	39.56	39.45	39.34	39.54	39.41	39.79	39.90	39.36
06/07/2010	39.47	39.57	39.24	39.52	39.50	39.31	39.19	39.15	39.44
07/07/2010	39.47	39.62	39.24	39.90	39.39	39.37	39.19	38.72	39.62
08/07/2010	39.38	39.41	39.36	39.59	39.37	39.46	39.66	39.35	39.55
09/07/2010	39.44	39.38	39.42	39.05	39.47	39.44	39.02	39.55	39.47
10/07/2010	39.40	39.45	39.37	39.35	39.47	39.45	39.45	39.37	39.33
11/07/2010	39.46	39.45	39.44	39.54	39.45	39.68	39.73	39.85	39.34
12/07/2010	39.54	39.38	39.58	39.11	39.56	39.56	39.75	40.10	39.38
13/07/2010	39.54	39.57	39.54	39.41	39.62	39.60	39.42	38.80	39.44
14/07/2010	39.50	39.57	39.48	39.39	39.65	39.53	39.37	40.33	39.41
15/07/2010	39.63	39.61	39.49	39.60	39.55	39.55	40.17	38.80	39.46
16/07/2010	39.61	39.56	39.50	39.81	39.57	39.54	39.15	39.55	39.65
17/07/2010	39.53	39.59	39.49	39.34	39.57	39.65	39.86	39.71	39.60
18/07/2010	39.54	39.57	39.53	40.11	39.59	39.79	39.75	40.00	39.54
19/07/2010	39.58	39.57	39.55	39.32	39.70	39.68	39.25	40.00	39.53
20/07/2010	39.61	39.61	39.59	39.46	39.67	39.96	39.78	39.65	39.53
21/07/2010	39.62	39.66	39.75	39.50	39.86	39.97	40.01	39.90	39.52
22/07/2010	39.71	39.78	39.74	39.59	40.01	39.95	39.87	39.60	39.67
23/07/2010	39.88	39.86	39.73	39.90	39.96	39.61	39.62	39.59	39.61
24/07/2010	40.08	39.94	39.62	40.00	39.71	39.56	39.86	40.32	39.76
25/07/2010	39.74	39.76	39.58	39.47	39.59	39.75	39.84	39.07	40.00
26/07/2010	39.63	39.77	39.67	39.89	39.68	39.71	39.92	39.66	39.89
27/07/2010	39.63	39.68	39.63	40.00	39.78	39.67	39.13	40.17	39.94
28/07/2010	39.68	39.62	39.66	39.31	39.73	39.98	40.02	38.67	39.58
29/07/2010	39.68	39.70	39.80	39.46	39.68	40.22	39.60	40.54	39.57
30/07/2010	39.85	39.73	40.03	40.00	40.02	40.09	40.82	40.09	39.75
31/07/2010	40.07	39.86	39.88	39.71	40.27	40.24	39.75	39.65	39.68

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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: 67,994,178 kWh

Transmission Shrinkage % of Entry Throughput was 1.13% for the 12 month period August 2009 - July 2010