



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	October
Gas Year	2017

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1. Moffat Energy/Volume of Gas

	Moffat		Moffat VRF Allocations		Did a Moffat VRF Interruption Occur? Yes/No	Net Moffat Flows		PTL		Isle of Man	
	Total kWh	Total KCM	Total kWh	Total KCM		Total kWh	Total KCM	Total kWh	Total KCM	Total kWh	Total KCM
01/10/2017	102,571,472	9,456.0	0.0			102,571,472		24,208,461	2,231.8	2,497,399	230.2
02/10/2017	126,765,138	11,695.4	0.0			126,765,138		27,391,367	2,527.1	3,227,000	297.7
03/10/2017	144,969,646	13,357.8	0.0			144,969,646		31,824,783	2,932.4	3,397,725	313.1
04/10/2017	121,118,318	11,120.3	0.0		Yes	121,118,318		40,587,768	3,726.5	3,809,931	349.8
05/10/2017	147,786,189	13,561.8	0.0			147,786,189		43,709,257	4,011.0	3,879,130	356.0
06/10/2017	161,882,975	14,836.5	0.0			161,882,975		44,091,426	4,041.0	4,108,465	376.5
07/10/2017	148,557,721	13,553.2	0.0			148,557,721		42,439,366	3,871.8	3,795,625	346.3
08/10/2017	159,382,681	14,540.7	0.0			159,382,681		41,634,498	3,798.4	3,723,167	339.7
09/10/2017	151,935,515	13,921.3	0.0			151,935,515		42,777,153	3,919.5	3,978,249	364.5
10/10/2017	134,799,733	12,341.8	0.0			134,799,733		33,906,278	3,104.3	3,904,471	357.5
11/10/2017	83,733,334	7,680.0	0.0		Yes	83,733,334		33,216,872	3,046.6	3,354,060	307.6
12/10/2017	28,582,707	2,628.3	368,294.0			28,214,413		39,510,256	3,633.1	3,713,653	341.5
13/10/2017	30,365,310	2,777.3	0.0		Yes	30,365,310		39,711,462	3,632.1	3,208,958	293.5
14/10/2017	15,552,955	1,413.9	4,056,083.0		Yes	11,496,872		40,067,552	3,642.5	3,864,155	351.3
15/10/2017	28,341,309	2,591.5	8,248,272.0		Yes	20,093,037		30,686,077	2,805.9	3,751,090	343.0
16/10/2017	25,795,388	2,364.1	7,139,900.0		Yes	18,655,488		42,315,129	3,878.2	3,925,103	359.7
17/10/2017	48,478,164	4,432.9	0.0		Yes	48,478,164		40,057,692	3,662.9	3,772,478	345.0
18/10/2017	35,991,454	3,290.2	0.0		Yes	35,991,454		46,675,237	4,266.9	4,038,515	369.2
19/10/2017	29,467,327	2,695.2	4,184,658.0		Yes	25,282,669		40,119,181	3,669.4	4,049,329	370.4
20/10/2017	30,814,247	2,822.7	1,404,956.0			29,409,291		43,785,430	4,010.9	2,733,822	250.4
21/10/2017	24,544,327	2,245.5	13,995,881.0		Yes	10,548,446		38,688,693	3,539.5	2,751,636	251.7
22/10/2017	29,126,425	2,666.0	7,486,898.0			21,639,527		38,379,830	3,513.0	2,709,184	248.0
23/10/2017	40,799,037	3,732.6	31,578.0		Yes	40,767,459		47,176,154	4,316.0	4,035,694	369.2
24/10/2017	50,139,835	4,594.1	11,571,662.0		Yes	38,568,173		48,509,195	4,444.7	3,998,471	366.4
25/10/2017	62,364,461	5,698.3	10,243,235.0		Yes	52,121,226		51,775,856	4,730.8	4,001,836	365.7
26/10/2017	71,724,976	6,535.3	219,725.0		Yes	71,505,251		60,369,911	5,500.7	3,986,918	363.3
27/10/2017	58,338,216	5,341.2	0.0		Yes	58,338,216		54,623,916	5,001.2	4,151,096	380.1
28/10/2017	31,190,487	2,833.4	9,036,645.0		Yes	22,153,842		34,862,703	3,166.9	3,928,409	356.9
29/10/2017	44,556,650	4,048.6	11,042,995.0			33,513,655		42,263,491	3,840.2	3,404,735	309.4
30/10/2017	55,088,600	5,027.1	6,829,104.0		Yes	48,259,496		53,332,491	4,866.8	2,866,152	261.6
31/10/2017	50,844,310	4,651.6	8,286,256.0		Yes	42,558,054		43,032,463	3,936.9	4,107,459	375.8
Totals	2,275,608,907	208,454.6	104,146,142.0			2,171,462,765		1,281,729,948	117,269.3	112,673,915	10,310.7

	Moffat	
	kWh	KCM
Month Min	15,552,955	1,413.9
Month Max	161,882,975	14,836.5
Month Average	73,406,739	6,724.3
YTD Min	15,552,955	1,413.9
YTD Max	161,882,975	14,836.5
YTD Average	73,406,739	6,724.3

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.

*** While an interruption, or a number of interruptions to the VRF product may occur on a day during individual hourly matching cycles, Shippers can continue to re-nominate in subsequent hours as more Moffat Entry Nominations are received later in the day. The available VRF Quantity is published hourly to the Shipper Nominations Summary Screen in GTMS.

Moffat ROI Fwd. Flow Allocations highlighted in yellow indicate a day on which a 'Notice of Potential Supply Deficit' was issued by GNI Grid Control to Shippers.

Moffat ROI Fwd. Flow Allocations highlighted in green indicate a day on which two 'Notices of Potential Supply Deficit' were issued by GNI Grid Control to Shippers.

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1. Bellanaboy Energy/Volume of Gas

	Bellanaboy	
	Total kWh	Total KCM
01/10/2017	0	
02/10/2017	0	
03/10/2017	0	
04/10/2017	0	
05/10/2017	0	
06/10/2017	0	
07/10/2017	0	
08/10/2017	0	
09/10/2017	0	
10/10/2017	0	
11/10/2017	46,835,904	4,476.0
12/10/2017	103,205,016	9,863.0
13/10/2017	103,172,268	9,860.0
14/10/2017	100,094,220	9,566.0
15/10/2017	102,839,346	9,828.0
16/10/2017	101,419,458	9,692.0
17/10/2017	103,869,154	9,926.0
18/10/2017	103,869,000	9,926.0
19/10/2017	103,869,504	9,926.0
20/10/2017	103,869,240	9,926.0
21/10/2017	103,869,683	9,926.0
22/10/2017	103,869,312	9,926.0
23/10/2017	103,869,184	9,926.0
24/10/2017	103,869,813	9,927.0
25/10/2017	102,811,962	9,825.0
26/10/2017	93,431,213	8,929.0
27/10/2017	101,916,204	9,740.0
28/10/2017	98,629,589	9,426.0
29/10/2017	103,815,456	9,921.0
30/10/2017	97,810,788	9,347.0
31/10/2017	103,718,136	9,912.0
Totals	2,090,654,450	199,794.0

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2. Balancing Actions

	Balancing Buy		Balancing Sell	
	kWh	KCM	kWh	KCM
01/10/2017	0	0.0	0	0.0
02/10/2017	5,000,000	461.3	0	0.0
03/10/2017	0	0.0	0	0.0
04/10/2017	0	0.0	0	0.0
05/10/2017	0	0.0	0	0.0
06/10/2017	0	0.0	0	0.0
07/10/2017	0	0.0	0	0.0
08/10/2017	0	0.0	0	0.0
09/10/2017	0	0.0	0	0.0
10/10/2017	0	0.0	0	0.0
11/10/2017	5,000,000	458.6	0	0.0
12/10/2017	5,000,000	459.8	0	0.0
13/10/2017	5,000,000	457.3	0	0.0
14/10/2017	0	0.0	0	0.0
15/10/2017	0	0.0	0	0.0
16/10/2017	0	0.0	0	0.0
17/10/2017	0	0.0	0	0.0
18/10/2017	0	0.0	0	0.0
19/10/2017	0	0.0	0	0.0
20/10/2017	0	0.0	0	0.0
21/10/2017	0	0.0	0	0.0
22/10/2017	0	0.0	0	0.0
23/10/2017	0	0.0	0	0.0
24/10/2017	0	0.0	0	0.0
25/10/2017	0	0.0	0	0.0
26/10/2017	0	0.0	0	0.0
27/10/2017	0	0.0	0	0.0
28/10/2017	0	0.0	0	0.0
29/10/2017	0	0.0	0	0.0
30/10/2017	0	0.0	0	0.0
31/10/2017	0	0.0	0	0.0
Totals	20,000,000	1,837.0	0	0.0

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	0.04972
Applicable Second Tier Positive Imbalance Multiplier for this Month	0.75
Applicable Second Tier Negative Imbalance Multiplier for this Month	1.25

	System Marginal Price €/kWh		System Average Price €/kWh	First Tier Price €/kWh		Second Tier Price €/kWh	
	Buy	Sell		Buy	Sell	Buy	Sell
01/10/2017	1.697955	1.547530	1.598276	1.630242	1.566310	2.047565	1.148987
02/10/2017	1.813769	1.650930	1.701676	1.735710	1.667642	2.176815	1.226537
03/10/2017	1.921427	1.760506	1.811252	1.847477	1.775027	2.313785	1.308719
04/10/2017	1.871617	1.763762	1.814508	1.850798	1.778218	2.317855	1.311161
05/10/2017	1.823723	1.723906	1.774652	1.810145	1.739159	2.268035	1.281269
06/10/2017	1.869322	1.777571	1.828317	1.864883	1.791751	2.335116	1.321518
07/10/2017	1.904256	1.805414	1.856160	1.893283	1.819037	2.369920	1.342400
08/10/2017	1.918831	1.820009	1.870755	1.908170	1.833340	2.388164	1.353346
09/10/2017	1.894727	1.795871	1.846617	1.883549	1.809685	2.357991	1.335243
10/10/2017	1.737273	1.642398	1.693144	1.727007	1.659281	2.166150	1.220138
11/10/2017	1.712848	1.623649	1.674395	1.707883	1.640907	2.142714	1.206076
12/10/2017	1.691033	1.611636	1.662382	1.695630	1.629134	2.127698	1.197067
13/10/2017	1.802318	1.682703	1.733449	1.768118	1.698780	2.216531	1.250367
14/10/2017	1.762979	1.655197	1.705943	1.740062	1.671824	2.182149	1.229737
15/10/2017	1.733571	1.625894	1.676640	1.710173	1.643107	2.145520	1.207760
16/10/2017	1.645913	1.538548	1.589294	1.621080	1.557508	2.036338	1.142251
17/10/2017	1.759097	1.659126	1.709872	1.744069	1.675675	2.187060	1.232684
18/10/2017	1.806048	1.708862	1.759608	1.794800	1.724416	2.249230	1.269986
19/10/2017	1.686690	1.599286	1.650032	1.683033	1.617031	2.112260	1.187804
20/10/2017	1.733826	1.643071	1.693817	1.727693	1.659941	2.166991	1.220643
21/10/2017	1.673812	1.572678	1.623424	1.655892	1.590956	2.079000	1.167848
22/10/2017	1.684139	1.583007	1.633753	1.666428	1.601078	2.091911	1.175595
23/10/2017	1.818385	1.717282	1.768028	1.803389	1.732667	2.259755	1.276301
24/10/2017	1.795791	1.690898	1.741645	1.776478	1.706812	2.226776	1.256514
25/10/2017	1.767485	1.662270	1.713016	1.747276	1.678756	2.190990	1.235042
26/10/2017	1.840132	1.737378	1.788124	1.823886	1.752362	2.284875	1.291373
27/10/2017	1.669133	1.559430	1.610176	1.642380	1.577972	2.062440	1.157912
28/10/2017	1.803361	1.659014	1.709760	1.743955	1.675565	2.186920	1.232600
29/10/2017	1.839733	1.715710	1.766456	1.801785	1.731127	2.257790	1.275122
30/10/2017	1.907248	1.782399	1.833145	1.869808	1.796482	2.341151	1.325139
31/10/2017	1.929937	1.802046	1.852792	1.889848	1.815736	2.365710	1.339874

	Total First Tier Cost €		Total Second Tier Cost €	
	Buy	Sell	Buy	Sell
01/10/2017	3,527.29	(18,111.43)	0.00	(78.63)
02/10/2017	29,602.66	(12,058.15)	3,030.52	0.00
03/10/2017	9,967.50	(22,264.05)	191.65	0.00
04/10/2017	8,404.41	(21,489.76)	99.39	0.00
05/10/2017	22,553.35	(5,600.38)	0.00	(541.60)
06/10/2017	7,051.97	(48,566.62)	0.00	(10,701.39)
07/10/2017	16,977.38	(6,409.54)	324.21	0.00
08/10/2017	5,168.62	(30,446.10)	0.00	(108.15)
09/10/2017	724.45	(36,444.54)	0.00	(233.17)
10/10/2017	5,130.14	(9,461.58)	0.00	(162.87)
11/10/2017	169.23	(20,294.89)	0.00	0.00
12/10/2017	1,133.77	(24,936.87)	0.00	(28.56)
13/10/2017	4,951.51	(47,082.82)	0.00	(6,121.50)
14/10/2017	2,253.08	(31,300.93)	5.85	(430.90)
15/10/2017	2,255.42	(51,834.87)	0.00	(1,290.48)
16/10/2017	5,662.85	(47,690.31)	0.00	(14,901.86)
17/10/2017	12,824.52	(29,926.07)	0.00	0.00
18/10/2017	14,231.62	(57,477.30)	0.25	0.00
19/10/2017	14,569.26	(8,395.13)	22.64	0.00
20/10/2017	8,290.71	(20,344.62)	0.00	0.00
21/10/2017	19,597.54	(16,102.37)	1,045.51	0.00
22/10/2017	10,009.09	(23,442.70)	182.79	(191.69)
23/10/2017	5,110.33	(38,032.25)	0.00	(937.58)
24/10/2017	14,831.81	(8,765.30)	257.24	0.00
25/10/2017	5,001.44	(31,392.48)	0.00	(3,328.90)
26/10/2017	32,452.27	(21,296.16)	0.00	0.00
27/10/2017	13,316.69	(22,727.78)	3,426.50	0.00
28/10/2017	18,701.29	(9,618.10)	263.83	0.00
29/10/2017	33,503.97	(11,379.13)	0.00	0.00
30/10/2017	11,547.51	(24,045.78)	0.00	(4,006.15)
31/10/2017	9,971.14	(14,868.05)	158.53	(602.96)

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	ROI LDM (less PTL(NI) and IOM)	Power Gen (sub-sector of ROI LDM Sector)	DM Sector kWh	NDM Sector kWh
01/10/2017	105,694,035	78,988,175	65,570,555	5,811,978	19,478,654
02/10/2017	123,350,171	92,731,804	76,500,835	8,456,110	24,567,793
03/10/2017	145,819,020	110,596,512	93,387,223	8,544,733	27,830,988
04/10/2017	129,552,846	85,155,147	68,045,834	8,405,817	29,499,471
05/10/2017	164,688,059	117,099,672	100,116,665	8,555,992	25,967,202
06/10/2017	171,258,855	123,058,964	105,960,278	8,192,997	29,896,497
07/10/2017	167,046,754	120,811,763	103,678,055	6,347,189	24,277,247
08/10/2017	176,815,002	131,457,337	115,822,221	6,249,813	22,984,470
09/10/2017	164,587,312	117,831,910	101,071,388	8,330,010	26,451,498
10/10/2017	141,975,702	104,164,953	87,269,724	8,478,010	24,541,421
11/10/2017	130,476,717	93,905,785	77,464,167	8,488,565	24,683,615
12/10/2017	136,147,337	92,923,428	76,617,500	8,424,863	26,305,344
13/10/2017	143,576,532	100,656,112	84,108,611	7,872,347	19,762,418
14/10/2017	133,383,247	89,451,540	73,606,667	5,996,457	17,120,020
15/10/2017	141,574,424	107,137,257	92,591,388	5,585,114	18,282,365
16/10/2017	138,699,236	92,459,004	81,286,945	5,686,063	22,098,621
17/10/2017	164,440,195	120,610,025	105,215,000	8,568,916	25,746,344
18/10/2017	157,170,130	106,456,378	90,872,501	9,133,624	32,076,738
19/10/2017	144,517,093	100,348,583	85,356,388	8,532,507	30,326,069
20/10/2017	144,536,031	98,016,779	83,101,111	8,736,301	35,527,991
21/10/2017	127,552,034	86,111,705	71,195,835	7,000,647	32,335,758
22/10/2017	138,506,722	97,417,708	83,692,502	6,471,571	31,657,168
23/10/2017	168,031,778	116,819,930	101,258,890	8,036,904	28,625,945
24/10/2017	169,479,188	116,971,522	99,914,167	8,240,063	28,350,471
25/10/2017	181,376,717	125,599,025	108,752,777	8,612,092	29,749,768
26/10/2017	200,151,868	135,795,039	119,559,999	8,808,390	30,494,691
27/10/2017	187,802,584	129,027,572	112,517,777	8,658,469	33,105,380
28/10/2017	135,589,755	96,798,643	80,579,443	6,701,338	29,233,584
29/10/2017	162,206,399	116,538,173	101,926,945	6,203,420	26,715,495
30/10/2017	171,582,625	115,383,982	100,952,499	7,115,535	33,432,430
31/10/2017	163,498,182	116,358,260	100,806,112	8,748,706	31,824,928
Totals	4,731,086,550	3,336,682,687	2,848,800,002	238,994,541	842,950,384

Cleansed Totals	4,730,609,642			238,842,745	842,724,754
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The Total LDM value includes the off take at Twynholm (PTL) and Glen Mooar (Isle of Man)

Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	105,694,035	5,585,114	17,120,020
Month Max	200,151,868	9,133,624	35,527,991
Month Average	152,615,695	7,709,501	27,191,948
YTD Min	105,694,035	5,585,114	17,120,020
YTD Max	200,151,868	9,133,624	35,527,991
YTD Average	152,615,695	7,709,501	27,191,948
YTD Monthly Total	4,731,086,550	238,994,541	842,950,384

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	4,730,609,642	238,842,745	842,724,754
YTD Max	4,730,609,642	238,842,745	842,724,754
YTD Average	4,730,609,642	238,842,745	842,724,754
YTD Monthly Total	4,730,609,642	238,842,745	842,724,754

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5. Gas Quality

	Ballygarraun AGI - Supply to Galway (MJ/m3)	Ballyveelish AGI - Supply to Clonmel (MJ/m3)	Barnakyle AGI - Supply to Adare (MJ/m3)	Caherlag AGI - Supply to Cork & Ballincollig (MJ/m3)	Curraleigh West (MJ/m3)	Brownsbarn & Abbotstown CV (MJ/m3)	Gormanston - Node (MJ/m3)	Ories AGI - Supply to Athlone (MJ/m3)	Springhill AGI - Supply to Carlow (MJ/m3)
01/10/2017	39.04	39.11	39.19	38.99	37.20	39.10	39.19	39.32	39.10
02/10/2017	39.19	39.12	39.05	39.09	37.20	39.19	39.10	39.06	39.07
03/10/2017	39.20	39.12	39.31	38.97	37.20	39.05	38.96	39.09	39.11
04/10/2017	39.17	39.09	38.97	38.94	37.20	38.99	39.04	39.17	38.93
05/10/2017	39.12	39.01	39.33	38.93	37.20	39.00	39.09	38.74	39.03
06/10/2017	39.09	39.06	38.75	38.89	37.20	39.13	39.21	39.39	39.05
07/10/2017	39.10	39.17	39.20	38.95	37.20	39.18	39.25	39.24	39.19
08/10/2017	38.91	39.23	39.41	39.03	37.20	39.23	39.29	39.13	39.20
09/10/2017	39.03	39.28	39.09	39.18	37.20	39.38	39.56	39.26	39.28
10/10/2017	39.19	39.49	39.11	39.13	37.20	39.44	39.34	39.52	39.38
11/10/2017	39.20	39.45	39.73	38.99	37.20	39.26	39.27	39.31	39.32
12/10/2017	39.18	39.53	39.42	39.26	37.20	39.25	39.22	38.68	39.23
13/10/2017	38.04	38.76	37.74	39.24	37.20	38.83	39.29	37.69	39.21
14/10/2017	37.66	37.66	37.97	38.33	37.20	37.94	39.35	37.54	37.71
15/10/2017	37.67	37.65	37.72	37.57	37.20	37.84		37.57	37.71
16/10/2017	37.66	37.64	37.69	37.72	37.07	38.13		37.63	37.68
17/10/2017	37.68	37.89	37.62	37.70	36.98	38.15	39.34	37.63	37.69
18/10/2017	37.67	38.25	37.67	37.79	37.20	38.49		37.72	37.95
19/10/2017	37.65	37.79	37.43	37.77	37.20	38.16		37.78	38.08
20/10/2017	37.66	37.65	37.75	37.67	37.20	38.17		37.48	37.82
21/10/2017	37.68	37.64	37.70	37.81	37.20	38.17		37.98	37.93
22/10/2017	37.68	37.67	37.60	37.82	37.20	37.92	39.23	37.44	37.75
23/10/2017	37.66	37.64	37.71	37.66	37.20	38.33	39.36	37.57	37.68
24/10/2017	37.65	37.72	37.64	37.75	37.20	38.51	39.37	37.72	37.73
25/10/2017	37.66	38.16	37.63	37.68	37.20	38.44	39.30	37.84	37.78
26/10/2017	37.67	38.36	37.90	37.72	37.20	38.88	39.32	37.77	38.02
27/10/2017	37.67	38.83	37.37	37.73	37.20	38.85	39.27	37.37	38.52
28/10/2017	37.67	38.47	37.89	37.79	37.20	38.38		37.68	38.10
29/10/2017	37.68	37.63	37.73	37.76	37.20	38.24	39.60	37.89	37.73
30/10/2017	37.67	37.99	37.53	37.67	37.20	38.72	39.35	37.80	37.88
31/10/2017	37.66	38.68	37.80	37.80	37.20	38.40	39.29	37.41	38.12

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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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