



Gas Transportation Management System

Transportation Network Monthly Report

Parameters Entered	
Gas Month	June
Gas Year	2016

DISCLAIMER

The information contained in the attached Transportation Network Monthly Report and such information as may be issued from time to time by Ervia trading as Gas Networks Ireland ("GNI") ("the Information") is made available on the understanding that the GNI and its employees and agents shall have no liability (including liability by reason of negligence) to the users for any loss, damage, cost or expense incurred or arising by reason of any person using or relying on the Information and whether caused by reason of any error, negligent act, omission or misrepresentation in the Information or otherwise. Furthermore, whilst the Information is considered to be true and correct at the date of publication, changes in circumstances after the time of publication may impact on the accuracy of the Information. The Information may change without notice and the GNI shall not in any way be liable for the accuracy of any information printed and stored or in any way interpreted and used by a user.

Transportation Network Monthly Report

Month: Jun-2016



1. Entry Point Energy/Volume of Gas

	Moffat		PTL		Isle of Man		Bellanaboy
	Total	Total	Total	Total	Total	Total	Total
	kWh	M3	kWh	M3	kWh	M3	KWh
01/06/2016	72,271,461.0	6,214,871.6	43,535,325.0	3,743,752.5	2,372,523.0	204,021.1	82,825,947.0
02/06/2016	70,994,277.0	6,071,371.8	45,175,991.0	3,863,413.5	2,351,660.0	201,112.0	82,639,222.0
03/06/2016	81,197,763.0	6,971,931.0	44,966,518.0	3,860,985.8	2,370,003.0	203,497.1	69,980,684.0
04/06/2016	67,365,650.0	5,787,169.5	40,746,465.0	3,500,399.3	2,330,078.0	200,169.1	83,127,742.0
05/06/2016	53,573,913.0	4,618,647.9	42,228,890.0	3,640,585.4	2,328,130.0	200,710.2	82,776,788.0
06/06/2016	64,841,125.0	5,584,358.4	35,412,387.0	3,049,845.9	2,295,029.0	197,656.1	83,328,159.0
07/06/2016	74,504,637.0	6,455,731.6	42,854,846.0	3,713,317.5	2,280,925.0	197,639.0	80,406,588.0
08/06/2016	72,309,501.0	6,207,190.3	44,115,011.0	3,786,919.5	2,235,946.0	191,938.3	82,680,732.0
09/06/2016	79,101,190.0	6,786,787.0	43,275,635.0	3,712,997.2	2,272,469.0	194,975.3	63,519,126.0
10/06/2016	88,809,166.0	7,664,053.3	44,677,709.0	3,855,596.8	2,189,529.0	188,952.4	58,577,913.0
11/06/2016	71,649,630.0	6,159,845.4	38,624,989.0	3,320,658.6	2,292,343.0	197,077.1	60,305,703.0
12/06/2016	63,101,064.0	5,477,364.9	38,594,945.0	3,350,159.3	2,335,772.0	202,752.3	58,000,142.0
13/06/2016	63,682,194.0	5,527,808.5	44,172,143.0	3,834,276.7	2,402,955.0	208,583.8	60,295,985.0
14/06/2016	65,638,969.0	5,693,317.3	42,045,391.0	3,646,884.1	2,861,506.0	248,198.2	60,486,297.0
15/06/2016	61,525,617.0	5,328,408.8	40,091,141.0	3,472,082.2	2,266,155.0	196,259.3	60,369,555.0
16/06/2016	57,353,146.0	4,977,161.9	37,843,006.0	3,284,052.8	2,323,192.0	201,608.5	60,299,436.0
17/06/2016	65,352,199.0	5,672,770.4	35,087,541.0	3,045,705.8	2,811,307.0	244,029.7	70,744,086.0
18/06/2016	62,776,537.0	5,454,746.6	37,832,086.0	3,287,286.0	2,524,746.0	219,378.9	82,737,300.0
19/06/2016	44,908,718.0	3,902,185.5	31,050,497.0	2,698,023.8	2,714,482.0	235,865.2	83,040,496.0
20/06/2016	52,387,309.0	4,533,535.4	37,716,520.0	3,263,942.8	3,250,000.0	281,251.5	89,601,185.0
21/06/2016	52,371,360.0	4,548,308.5	37,416,069.0	3,249,482.4	2,528,675.0	219,608.2	92,367,074.0
22/06/2016	59,141,881.0	5,137,618.1	43,126,421.0	3,746,365.0	2,617,399.0	227,371.9	92,869,284.0
23/06/2016	55,158,883.0	4,783,091.5	47,015,829.0	4,076,967.5	1,897,356.0	164,528.9	92,962,601.0
24/06/2016	50,317,327.0	4,363,256.4	40,093,942.0	3,476,737.8	1,972,887.0	171,078.8	92,897,149.0
25/06/2016	40,563,663.0	3,549,955.0	32,706,218.0	2,862,306.3	1,924,121.0	168,390.4	92,798,671.0
26/06/2016	30,088,242.0	2,623,768.9	31,737,718.0	2,767,607.0	2,037,264.0	177,654.2	92,827,718.0
27/06/2016	56,269,244.0	4,876,896.4	34,948,920.0	3,029,048.9	1,978,177.0	171,450.2	76,081,647.0
28/06/2016	55,223,457.0	4,759,653.6	43,278,216.0	3,730,105.2	2,002,493.0	172,593.0	66,824,225.0
29/06/2016	34,452,973.0	2,969,466.6	43,669,785.0	3,763,854.9	2,038,965.0	175,736.2	100,773,761.0
30/06/2016	37,072,079.0	3,194,397.5	36,684,306.0	3,160,984.2	2,042,264.0	175,976.0	104,224,454.0
Totals	1,804,003,175.0	155,895,669.6	1,200,724,460.0	103,794,344.5	69,848,351.0	6,040,063.0	2,360,369,670.0

	Moffat	
	kWh	M3
Month Min	30,088,242	2,623,768.9
Month Max	88,809,166	7,664,053.3
Month Average	60,133,439	5,196,522.3
YTD Min	30,088,242	2,623,768.9
YTD Max	167,675,316	14,386,340.0
YTD Average	94,075,003	8,110,234.5

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

Transportation Network Monthly Report

Month: Jun-2016



2. Balancing Actions

	Balancing Buy		Balancing Sell	
	kWh	M3	kWh	M3
01/06/2016	0	0.0	0	0.0
02/06/2016	0	0.0	0	0.0
03/06/2016	0	0.0	0	0.0
04/06/2016	0	0.0	0	0.0
05/06/2016	0	0.0	0	0.0
06/06/2016	0	0.0	0	0.0
07/06/2016	0	0.0	5,000,000	433,242.7
08/06/2016	0	0.0	5,000,000	429,168.0
09/06/2016	0	0.0	0	0.0
10/06/2016	0	0.0	0	0.0
11/06/2016	0	0.0	5,000,000	429,831.4
12/06/2016	0	0.0	5,000,000	434,000.8
13/06/2016	0	0.0	5,000,000	434,000.8
14/06/2016	0	0.0	5,000,000	433,716.5
15/06/2016	0	0.0	5,000,000	433,053.2
16/06/2016	0	0.0	5,000,000	433,906.0
17/06/2016	0	0.0	5,000,000	434,000.8
18/06/2016	0	0.0	0	0.0
19/06/2016	0	0.0	0	0.0
20/06/2016	0	0.0	5,000,000	432,674.2
21/06/2016	0	0.0	5,000,000	434,190.3
22/06/2016	0	0.0	5,000,000	434,379.8
23/06/2016	0	0.0	0	0.0
24/06/2016	0	0.0	0	0.0
25/06/2016	0	0.0	0	0.0
26/06/2016	0	0.0	0	0.0
27/06/2016	0	0.0	12,200,000	1,057,426.8
28/06/2016	0	0.0	0	0.0
29/06/2016	0	0.0	0	0.0
30/06/2016	0	0.0	0	0.0
Totals	0	0.0	72,200,000	6,253,591.3

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

Transportation Network Monthly Report

Month: Jun-2016



3. Imbalance Price (Excluding Northern Ireland's Flows)

Balancing Transportation Cost €/kWh	0.058583
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
01/06/2016	1.628791	1.498058	1.546003	1.576923	1.515083	1.687374	1.410120
02/06/2016	1.603673	1.473010	1.520955	1.551374	1.490536	1.662256	1.386324
03/06/2016	1.665006	1.531961	1.579906	1.611504	1.548308	1.723589	1.442328
04/06/2016	1.566057	1.463649	1.511594	1.541826	1.481362	1.645757	1.377431
05/06/2016	1.557164	1.454794	1.502739	1.532794	1.472684	1.636459	1.369019
06/06/2016	1.612042	1.509443	1.557388	1.588536	1.526240	1.693840	1.420936
07/06/2016	1.556626	1.437716	1.485661	1.515374	1.455948	1.618527	1.352795
08/06/2016	1.569163	1.453402	1.501347	1.531374	1.471320	1.634997	1.367697
09/06/2016	1.560085	1.452137	1.500082	1.530084	1.470080	1.633669	1.366495
10/06/2016	1.635321	1.527660	1.575605	1.607117	1.544093	1.712968	1.438242
11/06/2016	1.461611	1.374337	1.422282	1.450728	1.393836	1.551979	1.292585
12/06/2016	1.446645	1.359283	1.407228	1.435373	1.379083	1.536172	1.278284
13/06/2016	1.418600	1.331073	1.379018	1.406598	1.351438	1.506552	1.251484
14/06/2016	1.461159	1.373199	1.421144	1.449567	1.392721	1.550784	1.291504
15/06/2016	1.463023	1.369151	1.417096	1.445438	1.388754	1.546534	1.287658
16/06/2016	1.508863	1.412668	1.460613	1.489825	1.431401	1.592227	1.328999
17/06/2016	1.489146	1.388000	1.435945	1.464664	1.407226	1.566325	1.305565
18/06/2016	1.504491	1.376741	1.424686	1.453180	1.396192	1.563074	1.294869
19/06/2016	1.433150	1.230249	1.354856	1.381953	1.327759	1.491733	1.171666
20/06/2016	1.582165	1.452770	1.500715	1.530729	1.470701	1.640748	1.367096
21/06/2016	1.550258	1.409379	1.457324	1.486470	1.428178	1.608841	1.325875
22/06/2016	1.557694	1.417349	1.465294	1.494600	1.435988	1.616277	1.333446
23/06/2016	1.578040	1.433162	1.481106	1.510728	1.451484	1.636623	1.348468
24/06/2016	1.493375	1.429619	1.477564	1.507115	1.448013	1.610025	1.345103
25/06/2016	1.477818	1.463269	1.511214	1.541438	1.480990	1.645358	1.377070
26/06/2016	1.481535	1.467191	1.515136	1.545439	1.484833	1.649476	1.380796
27/06/2016	1.417147	1.399259	1.447203	1.476147	1.418259	1.578146	1.316260
28/06/2016	1.441610	1.412668	1.460613	1.489825	1.431401	1.592227	1.328999
29/06/2016	1.463234	1.432150	1.480094	1.509696	1.450492	1.612682	1.347506
30/06/2016	1.439685	1.409379	1.457324	1.486470	1.428178	1.588773	1.325875

	Total First Tier Cost €		Total Second Tier Cost €	
	Buy	Sell	Buy	Sell
01/06/2016	1,655.82	(17,650.38)	586.29	0.00
02/06/2016	2,401.88	(24,783.13)	0.00	(749.38)
03/06/2016	17,703.51	(10,621.17)	0.00	(971.93)
04/06/2016	4,273.19	(23,172.01)	0.00	(3,107.15)
05/06/2016	8,645.26	(50,373.57)	252.73	(14,351.95)
06/06/2016	7,713.79	(23,275.00)	108.98	(13,391.19)
07/06/2016	13,280.73	(35,136.78)	2,574.38	(3,138.73)
08/06/2016	5,853.84	(67,215.25)	0.00	(2,584.16)
09/06/2016	23,599.96	(78,334.27)	66,043.57	(27,228.02)
10/06/2016	6,715.96	(60,675.12)	0.00	(101.35)
11/06/2016	11,490.13	(47,560.09)	187.42	(3,971.44)
12/06/2016	1,373.64	(47,577.29)	21.86	(4,010.26)
13/06/2016	4,607.39	(61,174.21)	2,555.07	(4,454.12)
14/06/2016	6,225.03	(67,020.73)	0.00	(4,718.11)
15/06/2016	2,524.89	(40,808.14)	0.00	(486.09)
16/06/2016	42,598.17	(17,792.06)	2,702.90	(709.75)
17/06/2016	19,179.81	(7,187.35)	2,616.91	0.00
18/06/2016	2,883.64	(27,640.91)	0.00	(5,952.27)
19/06/2016	6,229.48	(23,983.10)	0.00	(6,442.42)
20/06/2016	7,752.38	(67,093.02)	0.00	(8,774.51)
21/06/2016	17,246.22	(31,638.55)	0.00	(2,232.96)
22/06/2016	3,071.38	(37,494.26)	8.68	(8,505.03)
23/06/2016	5,136.40	(12,122.60)	228.72	(15.35)
24/06/2016	5,789.99	(11,293.42)	17.26	(187.59)
25/06/2016	3,240.65	(13,595.04)	13.23	(424.11)
26/06/2016	61.94	(22,406.29)	0.00	(300.81)
27/06/2016	7,872.17	(19,095.01)	1,716.33	(556.13)
28/06/2016	20,411.63	(5,094.15)	806.94	0.00
29/06/2016	467.89	(32,755.74)	0.00	(21,092.89)
30/06/2016	37,409.35	(6,837.55)	1,238.37	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 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)

Transportation Network Monthly Report

Month: Jun-2016



4. Gas Consumption by Market Sector

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
01/06/2016	162,768,512	7,227,694	10,985,711
02/06/2016	164,175,466	7,195,394	10,959,010
03/06/2016	168,476,241	6,713,724	10,789,079
04/06/2016	158,868,118	5,169,684	8,736,372
05/06/2016	145,271,261	4,676,361	7,461,658
06/06/2016	152,431,060	4,901,501	7,630,099
07/06/2016	166,816,886	6,865,982	9,126,992
08/06/2016	164,426,185	7,178,405	9,390,352
09/06/2016	161,949,777	6,904,040	9,269,776
10/06/2016	168,464,707	6,923,212	10,008,684
11/06/2016	148,985,042	5,523,685	9,154,885
12/06/2016	140,085,330	5,175,568	8,948,003
13/06/2016	144,045,627	7,052,237	10,739,889
14/06/2016	142,850,623	7,443,561	11,891,778
15/06/2016	137,477,135	7,352,745	11,256,530
16/06/2016	131,057,601	7,326,523	15,331,684
17/06/2016	138,289,455	7,152,244	15,305,584
18/06/2016	145,462,181	5,469,688	12,062,765
19/06/2016	131,385,198	5,167,474	11,270,224
20/06/2016	154,809,938	6,973,025	11,330,960
21/06/2016	153,231,432	7,234,146	10,406,635
22/06/2016	162,393,356	7,202,546	10,729,704
23/06/2016	161,704,844	7,171,771	10,404,045
24/06/2016	147,059,243	7,135,893	11,742,766
25/06/2016	139,899,796	5,690,120	10,476,572
26/06/2016	123,993,826	5,232,233	10,681,263
27/06/2016	137,360,230	7,356,687	11,076,118
28/06/2016	149,383,589	7,565,237	13,274,832
29/06/2016	146,654,746	7,426,541	12,633,204
30/06/2016	138,170,652	7,373,346	14,113,245
Totals	4,487,948,057	197,781,267	327,188,419

Cleansed Totals	4,487,895,384	197,808,761	326,768,168
------------------------	----------------------	--------------------	--------------------

Physical Daily Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
Month Min	123,993,826	4,676,361	7,461,658
Month Max	168,476,241	7,565,237	15,331,684
Month Average	149,598,269	6,592,709	10,906,281
YTD Min	95,646,619	4,676,361	7,461,658
YTD Max	200,629,057	11,405,851	71,453,307
YTD Average	148,472,143	8,341,744	36,986,507
YTD Rolling Total	40,681,367,201	2,285,637,974	10,134,303,053

Cleansed monthly Totals Analysis

	LDM Sector kWh	DM Sector kWh	NDM Sector kWh
YTD Min	3,885,125,083	197,808,761	326,768,168
YTD Max	4,826,378,072	288,055,274	1,724,663,102
YTD Average	4,520,019,659	254,448,607	1,134,185,563
YTD Rolling Total	40,680,176,931	2,290,037,466	10,207,670,065

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

Transportation Network Monthly Report

Month: Jun-2016



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)
01/06/2016	11.03	11.52	11.01	11.03	11.04	11.36	11.55	10.76	11.29
02/06/2016	11.03	11.20	11.07	11.03	11.04	11.33	11.50	10.80	11.24
03/06/2016	11.02	11.03	11.12	11.01	11.04	11.36	11.53	10.83	11.19
04/06/2016	11.04	11.02	11.01	11.03	11.04	11.43	11.69	10.81	11.36
05/06/2016	11.03	11.03	10.90	11.02	11.04	11.30	11.67	10.80	11.36
06/06/2016	11.03	11.02	11.04	11.02	11.04	11.17	11.63	10.76	11.14
07/06/2016	11.04	11.03	11.26	11.03	11.04	11.33	11.61	10.79	11.14
08/06/2016	11.03	11.03	11.38	11.02	11.04	11.43	11.60	10.79	11.28
09/06/2016	11.03	11.03	10.85	11.02	11.04	11.33	11.57	10.84	11.35
10/06/2016	11.03	11.03	11.14	11.01	11.04	11.50	11.59	10.80	11.27
11/06/2016	11.03	11.02	11.01	11.03	11.04	11.65	11.65	10.71	11.49
12/06/2016	11.03	11.02	10.95	11.01	11.04	11.56	11.55	10.83	11.63
13/06/2016	11.03	11.03	11.12	11.04	11.04	11.38	11.61	10.82	11.43
14/06/2016	11.03	11.03	10.92	11.03	11.04	11.42	11.57	10.73	11.35
15/06/2016	11.03	11.02	11.19	11.00	11.04	11.40	11.50	10.85	11.33
16/06/2016	11.04	11.03	10.96	11.04	11.04	11.38	11.52	10.77	11.34
17/06/2016	11.03	11.02	11.05	11.02	11.04	11.38	11.54	10.78	11.34
18/06/2016	11.04	11.03	10.91	11.02	11.04	11.31	11.51	10.77	11.19
19/06/2016	11.03	11.26	11.14	11.04	11.04	11.19	11.52	10.78	11.21
20/06/2016	11.03	11.19	11.09	11.04	11.04	11.19	11.52	10.86	11.15
21/06/2016	11.03	11.20	10.98	11.05	11.04	11.24	11.50	10.74	11.15
22/06/2016	11.04	11.26	11.09	11.04	11.04	11.21	11.50	10.84	11.19
23/06/2016	11.03	11.21	10.96	11.04	11.04	11.20	11.54	10.81	11.13
24/06/2016	11.03	11.19	11.07	11.07	11.04	11.19	11.51	10.78	11.16
25/06/2016	11.04	11.11	11.02	11.04	11.04	11.12	11.48	10.81	11.10
26/06/2016	11.02	11.03	10.98	11.02	11.04	11.11	11.53	10.74	11.07
27/06/2016	11.04	11.03	10.98	11.03	11.04	11.10	11.52	10.80	11.03
28/06/2016	11.03	11.03	11.21	11.02	11.04	11.32	11.45	10.71	11.05
29/06/2016	11.03	11.02	10.86	11.04	11.04	11.17	11.43	10.89	11.10
30/06/2016	11.03	11.02	11.08	11.03	11.04	11.05	11.51	10.71	11.04

Transportation Network Monthly Report

Month: Jun-2016



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
---------------------	-------------------------------

Transportation Network Monthly Report

Month: Jun-2016



7. Monthly Shrinkage Total for Transportation

Total Transportation Shrinkage : **57,291,000 kWh**

Transmission Shrinkage % of Entry Throughput was 1.77% for the 12 month period Jul-15 to Jun-16