

NDM Accuracy of Forecasting Report

Gas Year 17/18

10 December 2019



Report Description

This report is an ongoing requirement of the [Balancing Network Code](#) (Commission Regulation (EU) No 312/2014). The requirement is outlined in Article 42, “Information obligations of the forecasting party towards the transmission system operator”, Paragraph 3 “A report on the accuracy of the forecast of a network user’s non daily metered off-takes shall be published by the forecasting party at least every two years.”

The forecasting party in this instance is the Meter Data Services group, Gas Networks Ireland who will publish the report on an annual basis for the Transporter, after the end of the gas year. The report will be published on the Gas Networks Ireland website.

The data contained in this report is defined as follows:

Data Element	Description
Date	Gas day
Daily Delivered Energy, kWh	Aggregate NDM delivered energy for Gas Day D. This information is available in the Transportation Monthly Reports published by Gas Networks Ireland.
Forecast Energy Demand, kWh	Aggregate of the final NDM energy forecasts issued to shippers on Gas Day D.
Accuracy, %	The difference between the forecasted and delivered energy at all NDM offtakes for the relevant gas day, in proportion to the delivered energy.

Under the CRU approved Forecasting, Allocation, Reconciliation Procedures ([FAR Procedures](#)) the Transporter is required to issue NDM Nominations Advices to each shipper registered as holding NDM Exit Capacity in accordance with Part D, Section 1.7 of the Gas Networks Ireland [Code of Operations](#) on a daily basis. The Forecasted Energy Demand in the report is an aggregation of the individual forecasts issued by Gas Networks Ireland to each NDM shipper on a given gas day.

There will always be variances between the level of NDM forecasts issued to shippers each day and the actual level of NDM demand on the day. The accuracy of the forecast on any given day will be subject to variations caused by a number of reasons including, but not limited to:

- Changes in weather forecasts;
- Changes in actual weather (and degree to which end user demand responds); and
- Changes in end user demand (e.g. change of occupancy).

Gas Year 17/18

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
01/10/17	19,478,654	19,723,195	1%
02/10/17	24,567,793	25,326,094	3%
03/10/17	27,830,988	28,388,298	2%
04/10/17	29,499,471	30,415,486	3%
05/10/17	25,967,202	26,380,584	2%
06/10/17	29,896,497	31,019,513	4%
07/10/17	24,277,247	23,993,171	-1%
08/10/17	22,984,470	23,880,015	4%
09/10/17	26,451,498	26,732,451	1%
10/10/17	24,541,421	25,266,265	3%
11/10/17	24,683,615	25,021,116	1%
12/10/17	26,305,344	26,885,283	2%
13/10/17	19,762,418	20,544,179	4%
14/10/17	17,120,020	18,029,195	5%
15/10/17	18,282,365	18,693,270	2%
16/10/17	22,098,621	21,207,313	-4%
17/10/17	25,746,344	27,557,201	7%
18/10/17	32,076,738	33,863,918	6%
19/10/17	30,326,069	30,090,583	-1%
20/10/17	35,527,991	35,947,451	1%
21/10/17	32,335,758	31,774,605	-2%
22/10/17	31,657,168	32,730,299	3%
23/10/17	28,625,945	29,869,841	4%
24/10/17	28,350,471	27,908,032	-2%
25/10/17	29,749,768	30,928,940	4%
26/10/17	30,494,691	31,805,289	4%
27/10/17	33,105,380	33,263,855	0%
28/10/17	29,233,584	27,513,808	-6%
29/10/17	26,715,495	26,189,176	-2%
30/10/17	33,432,430	33,415,655	0%
31/10/17	31,824,928	33,083,427	4%
01/11/17	31,348,583	31,002,005	-1%
02/11/17	33,987,869	33,189,227	-2%
03/11/17	35,739,424	38,513,243	8%
04/11/17	38,233,455	38,368,909	0%
05/11/17	40,847,329	39,711,901	-3%
06/11/17	42,796,680	46,215,089	8%
07/11/17	45,978,745	45,258,410	-2%
08/11/17	49,094,862	50,561,830	3%
09/11/17	41,027,040	39,942,066	-3%
10/11/17	42,499,716	43,584,849	3%
11/11/17	38,613,876	37,748,963	-2%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
12/11/17	44,184,351	43,865,952	-1%
13/11/17	54,482,389	55,496,971	2%
14/11/17	42,405,375	41,824,201	-1%
15/11/17	43,048,631	43,902,215	2%
16/11/17	46,345,186	46,325,456	0%
17/11/17	54,431,137	55,721,411	2%
18/11/17	45,505,840	46,740,248	3%
19/11/17	44,112,529	45,301,055	3%
20/11/17	40,285,391	40,811,544	1%
21/11/17	36,340,404	37,361,369	3%
22/11/17	42,340,972	42,320,446	0%
23/11/17	54,376,372	54,636,805	0%
24/11/17	63,661,772	63,435,823	0%
25/11/17	61,162,181	60,207,232	-2%
26/11/17	55,198,627	56,723,372	3%
27/11/17	59,153,698	60,819,858	3%
28/11/17	62,982,975	64,396,473	2%
29/11/17	66,706,873	66,735,921	0%
30/11/17	67,357,822	67,419,588	0%
01/12/17	68,357,418	69,029,146	1%
02/12/17	56,508,827	57,324,329	1%
03/12/17	49,137,523	50,226,058	2%
04/12/17	55,282,105	59,341,372	7%
05/12/17	54,513,265	54,108,764	-1%
06/12/17	48,528,335	49,974,978	3%
07/12/17	58,778,073	58,112,006	-1%
08/12/17	70,410,208	70,769,865	1%
09/12/17	66,263,691	65,608,737	-1%
10/12/17	65,538,564	66,179,999	1%
11/12/17	74,682,004	75,775,680	1%
12/12/17	71,166,701	72,834,196	2%
13/12/17	68,223,647	68,637,297	1%
14/12/17	70,780,408	70,340,019	-1%
15/12/17	67,649,271	68,065,364	1%
16/12/17	62,436,786	64,003,788	3%
17/12/17	51,047,073	54,018,656	6%
18/12/17	60,144,125	61,530,856	2%
19/12/17	51,555,088	52,633,847	2%
20/12/17	45,359,055	45,969,674	1%
21/12/17	43,284,477	43,406,503	0%
22/12/17	42,255,484	42,214,937	0%
23/12/17	39,175,992	39,882,156	2%
24/12/17	36,713,660	36,267,340	-1%
25/12/17	41,950,152	39,810,769	-5%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
26/12/17	53,075,991	53,804,090	1%
27/12/17	62,736,442	63,868,033	2%
28/12/17	66,572,430	68,297,373	3%
29/12/17	60,902,551	61,703,136	1%
30/12/17	51,459,692	52,812,657	3%
31/12/17	51,722,188	50,417,441	-3%
01/01/18	55,409,405	56,323,347	2%
02/01/18	57,607,694	60,432,163	5%
03/01/18	60,505,595	61,501,845	2%
04/01/18	59,123,724	59,498,807	1%
05/01/18	62,322,325	62,442,601	0%
06/01/18	60,782,811	60,880,452	0%
07/01/18	61,063,291	60,940,593	0%
08/01/18	70,896,567	73,088,117	3%
09/01/18	64,684,590	64,292,583	-1%
10/01/18	62,758,422	62,631,515	0%
11/01/18	65,044,672	65,601,583	1%
12/01/18	63,432,902	64,054,068	1%
13/01/18	54,027,620	55,247,732	2%
14/01/18	53,279,007	51,847,872	-3%
15/01/18	58,730,241	62,011,344	6%
16/01/18	73,182,007	73,393,027	0%
17/01/18	70,572,571	72,633,387	3%
18/01/18	67,700,434	67,848,482	0%
19/01/18	71,168,778	72,552,958	2%
20/01/18	61,977,321	62,393,268	1%
21/01/18	52,534,400	54,984,792	5%
22/01/18	56,100,075	58,769,100	5%
23/01/18	48,903,334	50,320,482	3%
24/01/18	55,894,374	57,709,542	3%
25/01/18	59,174,489	59,391,861	0%
26/01/18	60,046,113	61,976,814	3%
27/01/18	47,448,010	48,967,091	3%
28/01/18	42,458,003	43,305,167	2%
29/01/18	51,844,693	52,644,496	2%
30/01/18	58,878,896	60,173,117	2%
31/01/18	65,219,889	63,641,767	-2%
01/02/18	64,994,871	64,892,691	0%
02/02/18	64,341,162	65,187,982	1%
03/02/18	60,372,088	58,664,715	-3%
04/02/18	57,793,679	52,101,667	-10%
05/02/18	68,422,714	68,284,709	0%
06/02/18	70,738,646	71,654,490	1%
07/02/18	71,281,237	72,957,302	2%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
08/02/18	61,617,657	60,315,987	-2%
09/02/18	67,142,970	69,042,122	3%
10/02/18	53,240,444	53,010,165	0%
11/02/18	62,661,375	62,908,449	0%
12/02/18	68,911,502	67,468,404	-2%
13/02/18	64,533,654	65,237,363	1%
14/02/18	61,937,758	62,978,697	2%
15/02/18	65,615,660	66,095,510	1%
16/02/18	64,267,387	63,150,595	-2%
17/02/18	53,488,798	54,369,854	2%
18/02/18	49,331,856	50,506,138	2%
19/02/18	48,478,912	50,436,232	4%
20/02/18	52,748,380	53,864,029	2%
21/02/18	55,234,641	57,100,944	3%
22/02/18	60,097,988	59,571,039	-1%
23/02/18	64,117,012	64,600,511	1%
24/02/18	61,383,191	60,836,596	-1%
25/02/18	57,261,155	57,816,008	1%
26/02/18	76,928,446	74,107,959	-4%
27/02/18	79,854,059	79,916,137	0%
28/02/18	93,667,475	92,737,669	-1%
01/03/18	97,227,563	95,939,004	-1%
02/03/18	91,368,730	91,703,663	0%
03/03/18	80,816,768	83,784,133	4%
04/03/18	70,159,372	70,884,134	1%
05/03/18	67,865,614	68,643,927	1%
06/03/18	61,687,912	62,502,265	1%
07/03/18	60,218,615	61,466,505	2%
08/03/18	60,438,125	61,430,770	2%
09/03/18	64,805,583	65,792,692	2%
10/03/18	50,580,903	50,612,602	0%
11/03/18	47,864,069	49,508,819	3%
12/03/18	53,358,301	54,053,869	1%
13/03/18	53,745,300	55,771,516	4%
14/03/18	57,941,937	58,921,246	2%
15/03/18	50,133,475	50,956,979	2%
16/03/18	50,665,434	51,510,306	2%
17/03/18	64,493,813	63,920,586	-1%
18/03/18	74,152,999	74,449,353	0%
19/03/18	68,573,148	69,171,557	1%
20/03/18	60,546,429	63,547,639	5%
21/03/18	59,754,111	61,359,800	3%
22/03/18	56,665,408	58,040,222	2%
23/03/18	52,885,288	53,338,609	1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
24/03/18	42,481,320	36,988,627	-13%
25/03/18	41,017,329	40,496,148	-1%
26/03/18	49,054,182	50,530,269	3%
27/03/18	46,781,115	46,879,515	0%
28/03/18	48,499,343	49,400,879	2%
29/03/18	53,788,467	55,135,208	3%
30/03/18	53,741,672	52,656,400	-2%
31/03/18	49,574,216	50,013,781	1%
01/04/18	50,396,686	48,744,034	-3%
02/04/18	54,829,490	56,472,695	3%
03/04/18	44,896,469	46,326,746	3%
04/04/18	55,070,364	56,002,347	2%
05/04/18	54,660,007	55,799,126	2%
06/04/18	49,281,702	50,163,706	2%
07/04/18	39,168,267	40,912,774	4%
08/04/18	35,438,049	35,841,655	1%
09/04/18	40,517,665	42,819,428	6%
10/04/18	48,372,886	49,187,009	2%
11/04/18	47,407,318	48,070,910	1%
12/04/18	47,993,066	48,906,349	2%
13/04/18	45,000,810	46,071,725	2%
14/04/18	36,384,503	37,501,217	3%
15/04/18	37,617,482	38,264,878	2%
16/04/18	43,516,728	44,758,523	3%
17/04/18	33,762,950	34,298,584	2%
18/04/18	29,032,008	29,665,779	2%
19/04/18	23,498,309	24,141,010	3%
20/04/18	22,927,741	23,897,474	4%
21/04/18	19,397,082	20,040,398	3%
22/04/18	22,421,018	22,008,358	-2%
23/04/18	29,558,477	30,526,407	3%
24/04/18	34,677,613	35,391,040	2%
25/04/18	34,971,907	35,507,886	2%
26/04/18	35,438,288	37,075,990	5%
27/04/18	38,203,210	38,378,766	0%
28/04/18	30,594,871	31,036,612	1%
29/04/18	30,024,989	31,052,355	3%
30/04/18	31,725,470	32,029,011	1%
01/05/18	38,820,465	39,829,502	3%
02/05/18	32,848,461	32,970,116	0%
03/05/18	35,305,934	36,244,691	3%
04/05/18	24,001,156	24,318,262	1%
05/05/18	16,955,256	17,465,962	3%
06/05/18	14,248,473	14,370,032	1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
07/05/18	15,738,177	15,399,039	-2%
08/05/18	18,641,962	21,220,546	14%
09/05/18	27,994,476	28,662,204	2%
10/05/18	25,097,379	26,915,877	7%
11/05/18	31,676,641	32,476,054	3%
12/05/18	23,953,592	24,391,682	2%
13/05/18	20,265,812	20,778,137	3%
14/05/18	23,314,552	24,266,503	4%
15/05/18	21,706,596	21,599,961	0%
16/05/18	21,289,173	22,132,518	4%
17/05/18	20,952,044	21,649,271	3%
18/05/18	18,753,976	19,446,404	4%
19/05/18	14,745,543	16,662,095	13%
20/05/18	16,990,141	17,964,742	6%
21/05/18	20,733,595	22,316,699	8%
22/05/18	18,980,554	19,526,574	3%
23/05/18	16,561,274	17,129,608	3%
24/05/18	17,798,195	19,510,705	10%
25/05/18	13,716,649	14,651,709	7%
26/05/18	12,748,898	13,649,834	7%
27/05/18	12,556,645	13,228,015	5%
28/05/18	12,277,845	12,497,054	2%
29/05/18	11,907,470	12,400,551	4%
30/05/18	12,046,988	12,449,182	3%
31/05/18	10,839,786	12,193,436	12%
01/06/18	11,021,069	12,848,563	17%
02/06/18	9,718,907	10,266,830	6%
03/06/18	9,029,730	9,079,291	1%
04/06/18	9,416,775	9,665,877	3%
05/06/18	11,020,154	12,892,836	17%
06/06/18	10,744,052	11,476,014	7%
07/06/18	9,578,412	10,804,940	13%
08/06/18	9,489,626	10,745,954	13%
09/06/18	8,296,346	9,773,818	18%
10/06/18	8,081,914	8,378,353	4%
11/06/18	9,938,136	12,918,979	30%
12/06/18	11,344,421	13,568,112	20%
13/06/18	12,339,399	13,293,338	8%
14/06/18	11,867,707	11,583,789	-2%
15/06/18	13,098,804	13,885,233	6%
16/06/18	11,803,708	12,113,128	3%
17/06/18	11,490,178	11,706,075	2%
18/06/18	12,210,528	12,845,828	5%
19/06/18	11,981,496	12,833,145	7%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
20/06/18	12,703,597	12,944,417	2%
21/06/18	12,323,925	13,247,808	7%
22/06/18	11,518,959	12,320,422	7%
23/06/18	9,502,383	10,024,405	5%
24/06/18	8,152,331	8,164,474	0%
25/06/18	9,056,049	9,900,049	9%
26/06/18	8,784,648	9,230,075	5%
27/06/18	8,233,504	8,852,613	8%
28/06/18	8,084,135	8,797,643	9%
29/06/18	7,839,964	8,630,200	10%
30/06/18	7,260,683	8,098,061	12%
01/07/18	7,081,041	7,287,549	3%
02/07/18	8,011,400	8,655,667	8%
03/07/18	7,922,868	8,490,344	7%
04/07/18	7,576,922	8,279,761	9%
05/07/18	8,294,454	8,955,336	8%
06/07/18	8,643,977	9,411,263	9%
07/07/18	7,147,490	7,669,558	7%
08/07/18	6,667,892	7,006,625	5%
09/07/18	8,248,822	8,757,177	6%
10/07/18	8,376,473	9,180,171	10%
11/07/18	8,707,807	9,328,316	7%
12/07/18	9,338,188	10,047,919	8%
13/07/18	8,766,054	9,789,635	12%
14/07/18	7,429,118	7,792,215	5%
15/07/18	7,201,234	7,460,320	4%
16/07/18	8,900,742	9,555,610	7%
17/07/18	9,185,031	10,254,088	12%
18/07/18	9,048,079	9,601,194	6%
19/07/18	9,111,512	9,691,104	6%
20/07/18	9,078,066	10,746,009	18%
21/07/18	8,416,339	8,829,725	5%
22/07/18	6,893,958	7,232,133	5%
23/07/18	7,949,195	8,843,872	11%
24/07/18	8,315,455	9,425,977	13%
25/07/18	8,528,650	9,268,301	9%
26/07/18	8,377,727	9,347,617	12%
27/07/18	8,545,735	9,135,911	7%
28/07/18	9,645,052	9,751,990	1%
29/07/18	8,897,367	9,476,838	7%
30/07/18	9,886,408	10,606,890	7%
31/07/18	10,722,727	11,733,024	9%
01/08/18	10,904,204	11,710,336	7%
02/08/18	8,761,017	9,639,330	10%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
03/08/18	8,524,207	9,469,976	11%
04/08/18	7,692,188	8,604,940	12%
05/08/18	7,214,967	6,923,589	-4%
06/08/18	7,950,870	7,812,893	-2%
07/08/18	9,564,253	11,032,563	15%
08/08/18	10,201,760	11,455,697	12%
09/08/18	10,785,437	11,702,045	8%
10/08/18	11,136,684	11,505,269	3%
11/08/18	10,212,125	10,768,760	5%
12/08/18	8,561,741	8,765,361	2%
13/08/18	10,185,263	11,454,846	12%
14/08/18	9,909,922	10,443,449	5%
15/08/18	9,900,012	10,886,569	10%
16/08/18	11,098,353	11,379,004	3%
17/08/18	13,422,885	14,555,865	8%
18/08/18	8,796,818	9,502,311	8%
19/08/18	8,110,192	8,686,494	7%
20/08/18	9,768,517	11,001,809	13%
21/08/18	9,521,924	10,025,785	5%
22/08/18	10,150,504	10,946,011	8%
23/08/18	12,614,328	13,268,086	5%
24/08/18	14,466,708	15,416,695	7%
25/08/18	12,371,607	12,072,390	-2%
26/08/18	13,004,761	13,017,177	0%
27/08/18	12,941,835	13,952,502	8%
28/08/18	14,089,868	14,655,133	4%
29/08/18	13,931,828	14,774,929	6%
30/08/18	14,453,145	15,049,089	4%
31/08/18	13,161,176	14,433,880	10%
01/09/18	10,116,094	10,977,085	9%
02/09/18	9,379,858	10,177,030	8%
03/09/18	12,503,144	13,158,835	5%
04/09/18	13,617,849	14,020,000	3%
05/09/18	13,187,686	13,917,069	6%
06/09/18	15,373,785	15,698,828	2%
07/09/18	16,705,184	17,540,055	5%
08/09/18	14,220,414	14,625,973	3%
09/09/18	12,695,121	12,864,374	1%
10/09/18	16,504,444	17,047,479	3%
11/09/18	16,533,318	16,080,490	-3%
12/09/18	16,277,822	17,730,274	9%
13/09/18	17,614,610	18,554,354	5%
14/09/18	17,853,898	18,291,539	2%
15/09/18	15,926,288	16,496,940	4%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
16/09/18	13,224,227	13,219,782	0%
17/09/18	14,990,656	15,937,251	6%
18/09/18	13,706,995	14,092,340	3%
19/09/18	17,144,961	16,734,877	-2%
20/09/18	25,580,252	25,467,290	0%
21/09/18	26,358,341	30,176,707	14%
22/09/18	25,963,609	25,324,244	-2%
23/09/18	24,754,021	24,360,150	-2%
24/09/18	28,546,102	28,750,747	1%
25/09/18	28,185,002	29,418,681	4%
26/09/18	18,145,869	20,323,181	12%
27/09/18	20,407,817	20,283,445	-1%
28/09/18	25,495,577	25,877,121	1%
29/09/18	24,702,295	25,722,868	4%
30/09/18	26,616,893	26,765,351	1%