

NDM Accuracy of Forecasting Report

Gas Year 16/17

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 16/17

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
01/10/16	22,294,224	22,016,059	-1%
02/10/16	20,602,717	21,688,844	5%
03/10/16	21,844,051	22,395,630	3%
04/10/16	21,418,980	21,881,696	2%
05/10/16	20,725,526	23,247,017	12%
06/10/16	23,674,575	25,019,476	6%
07/10/16	24,476,794	23,988,939	-2%
08/10/16	21,712,866	21,126,525	-3%
09/10/16	17,352,496	17,622,100	2%
10/10/16	25,643,420	26,240,510	2%
11/10/16	26,332,420	26,867,929	2%
12/10/16	27,281,738	27,677,176	1%
13/10/16	28,364,473	28,646,422	1%
14/10/16	31,430,700	32,138,724	2%
15/10/16	27,041,575	25,548,410	-6%
16/10/16	25,545,041	25,655,923	0%
17/10/16	29,098,821	30,293,454	4%
18/10/16	33,955,573	33,293,475	-2%
19/10/16	33,679,202	34,490,034	2%
20/10/16	33,188,259	33,235,700	0%
21/10/16	33,111,774	35,516,756	7%
22/10/16	29,564,959	30,019,683	2%
23/10/16	32,158,485	32,294,100	0%
24/10/16	35,956,408	35,885,229	0%
25/10/16	33,292,265	35,587,726	7%
26/10/16	30,175,637	29,192,439	-3%
27/10/16	28,618,724	29,140,379	2%
28/10/16	26,362,536	27,195,309	3%
29/10/16	25,238,188	22,236,075	-12%
30/10/16	24,838,198	25,218,353	2%
31/10/16	26,912,149	26,473,304	-2%
01/11/16	36,155,926	37,248,299	3%
02/11/16	39,026,449	41,286,832	6%
03/11/16	41,247,391	41,347,825	0%
04/11/16	41,642,532	42,382,700	2%
05/11/16	41,903,879	42,162,444	1%
06/11/16	44,860,217	43,994,130	-2%
07/11/16	51,379,176	52,255,607	2%
08/11/16	52,166,323	51,316,252	-2%
09/11/16	49,240,641	50,028,064	2%
10/11/16	48,042,569	48,374,953	1%
11/11/16	49,827,433	51,574,556	4%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
12/11/16	37,466,755	37,138,850	-1%
13/11/16	37,371,834	38,729,831	4%
14/11/16	34,913,636	37,174,169	6%
15/11/16	35,312,223	34,568,808	-2%
16/11/16	42,654,044	43,248,758	1%
17/11/16	54,831,102	54,128,053	-1%
18/11/16	61,049,958	62,011,986	2%
19/11/16	57,345,270	57,281,884	0%
20/11/16	59,701,462	60,382,451	1%
21/11/16	67,295,851	67,830,174	1%
22/11/16	62,657,901	62,840,045	0%
23/11/16	61,875,892	62,491,406	1%
24/11/16	58,669,951	58,769,492	0%
25/11/16	58,363,980	58,820,543	1%
26/11/16	52,690,300	53,677,843	2%
27/11/16	47,829,391	49,775,069	4%
28/11/16	55,145,961	57,310,906	4%
29/11/16	57,951,890	58,239,620	0%
30/11/16	61,201,879	61,448,982	0%
01/12/16	66,003,329	66,700,473	1%
02/12/16	62,361,083	62,535,675	0%
03/12/16	52,331,146	52,668,614	1%
04/12/16	51,666,314	52,451,620	2%
05/12/16	56,963,865	58,214,489	2%
06/12/16	47,158,116	47,385,491	0%
07/12/16	38,559,945	38,789,310	1%
08/12/16	38,516,760	39,124,413	2%
09/12/16	38,746,428	39,130,904	1%
10/12/16	41,007,890	42,200,066	3%
11/12/16	43,519,064	43,507,783	0%
12/12/16	48,506,034	49,533,603	2%
13/12/16	43,556,910	45,301,548	4%
14/12/16	46,727,485	47,353,349	1%
15/12/16	47,810,241	48,689,566	2%
16/12/16	51,156,141	51,121,826	0%
17/12/16	53,079,331	52,802,416	-1%
18/12/16	47,030,740	48,031,053	2%
19/12/16	54,519,027	55,236,910	1%
20/12/16	60,523,232	62,406,580	3%
21/12/16	57,746,649	58,240,621	1%
22/12/16	58,072,780	58,796,474	1%
23/12/16	53,933,287	53,397,728	-1%
24/12/16	47,369,726	48,217,619	2%
25/12/16	35,741,570	34,523,780	-3%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
26/12/16	47,884,947	46,499,089	-3%
27/12/16	52,195,337	53,489,924	2%
28/12/16	50,509,373	51,203,313	1%
29/12/16	50,772,797	52,155,272	3%
30/12/16	43,904,310	44,967,250	2%
31/12/16	41,584,938	41,422,704	0%
01/01/17	48,600,061	47,000,171	-3%
02/01/17	58,585,609	55,796,988	-5%
03/01/17	65,237,153	70,222,032	8%
04/01/17	61,126,464	61,444,066	1%
05/01/17	59,138,986	60,908,909	3%
06/01/17	49,657,079	52,327,897	5%
07/01/17	40,530,210	42,224,459	4%
08/01/17	39,768,704	40,995,585	3%
09/01/17	52,970,109	54,516,844	3%
10/01/17	52,863,300	52,873,159	0%
11/01/17	57,029,371	57,394,234	1%
12/01/17	66,605,032	66,610,935	0%
13/01/17	71,043,858	71,855,407	1%
14/01/17	60,403,888	59,374,669	-2%
15/01/17	49,392,573	47,724,230	-3%
16/01/17	50,483,509	51,217,692	1%
17/01/17	47,986,810	48,805,748	2%
18/01/17	48,807,008	48,728,801	0%
19/01/17	50,565,081	50,888,727	1%
20/01/17	53,294,864	52,956,194	-1%
21/01/17	58,497,413	59,252,557	1%
22/01/17	55,692,297	55,137,083	-1%
23/01/17	56,406,213	57,781,597	2%
24/01/17	50,030,929	50,670,310	1%
25/01/17	50,360,193	50,192,361	0%
26/01/17	59,648,029	60,812,874	2%
27/01/17	55,623,905	55,215,442	-1%
28/01/17	52,846,455	53,343,039	1%
29/01/17	52,781,682	53,996,824	2%
30/01/17	53,204,910	54,972,549	3%
31/01/17	46,955,572	48,523,565	3%
01/02/17	50,217,491	51,246,635	2%
02/02/17	48,972,463	48,663,519	-1%
03/02/17	55,506,905	55,360,807	0%
04/02/17	53,843,555	53,895,119	0%
05/02/17	54,664,008	56,672,960	4%
06/02/17	61,792,834	63,467,571	3%
07/02/17	58,485,659	58,505,993	0%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
08/02/17	59,960,235	61,002,530	2%
09/02/17	64,089,308	64,438,310	1%
10/02/17	68,311,454	68,288,573	0%
11/02/17	65,689,761	65,780,978	0%
12/02/17	63,453,211	63,015,291	-1%
13/02/17	60,140,700	62,059,933	3%
14/02/17	57,640,182	57,818,814	0%
15/02/17	49,485,445	48,426,638	-2%
16/02/17	52,648,676	54,116,550	3%
17/02/17	47,012,933	46,158,888	-2%
18/02/17	39,446,438	40,727,040	3%
19/02/17	37,501,917	41,834,310	12%
20/02/17	40,534,357	42,551,350	5%
21/02/17	41,575,818	42,101,286	1%
22/02/17	42,478,814	43,482,556	2%
23/02/17	52,757,740	52,531,333	0%
24/02/17	54,510,353	55,599,168	2%
25/02/17	43,557,256	42,643,539	-2%
26/02/17	44,039,933	42,615,057	-3%
27/02/17	55,931,204	56,412,403	1%
28/02/17	58,855,253	61,083,714	4%
01/03/17	56,023,268	55,638,242	-1%
02/03/17	57,938,424	58,722,327	1%
03/03/17	56,109,010	56,577,563	1%
04/03/17	48,974,756	48,977,879	0%
05/03/17	50,194,228	50,228,207	0%
06/03/17	59,408,748	59,808,774	1%
07/03/17	55,935,070	57,331,769	2%
08/03/17	44,303,042	44,980,618	2%
09/03/17	43,073,708	43,608,544	1%
10/03/17	42,126,350	43,242,019	3%
11/03/17	35,454,313	36,442,662	3%
12/03/17	36,076,623	35,922,375	0%
13/03/17	36,518,501	37,105,298	2%
14/03/17	34,155,241	36,063,235	6%
15/03/17	32,143,830	33,952,092	6%
16/03/17	39,499,356	40,159,829	2%
17/03/17	43,780,808	42,565,069	-3%
18/03/17	34,736,841	35,843,618	3%
19/03/17	31,488,537	29,262,765	-7%
20/03/17	42,730,553	40,307,578	-6%
21/03/17	47,972,957	52,683,367	10%
22/03/17	60,274,377	57,551,779	-5%
23/03/17	51,691,252	52,140,315	1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
24/03/17	45,081,307	46,037,102	2%
25/03/17	36,664,342	30,576,364	-17%
26/03/17	31,539,303	32,935,769	4%
27/03/17	35,494,286	36,611,127	3%
28/03/17	37,935,976	38,585,223	2%
29/03/17	33,483,122	34,468,599	3%
30/03/17	32,149,601	32,198,972	0%
31/03/17	29,482,784	30,227,983	3%
01/04/17	30,519,367	31,580,651	3%
02/04/17	28,364,579	28,232,897	0%
03/04/17	36,580,477	37,205,278	2%
04/04/17	35,104,355	35,876,791	2%
05/04/17	36,854,956	37,429,446	2%
06/04/17	36,407,748	36,749,074	1%
07/04/17	31,981,245	32,524,256	2%
08/04/17	24,236,196	24,931,037	3%
09/04/17	27,421,321	26,941,092	-2%
10/04/17	33,195,762	33,841,040	2%
11/04/17	34,808,165	35,360,887	2%
12/04/17	32,933,221	33,479,604	2%
13/04/17	34,184,858	34,710,375	2%
14/04/17	32,675,098	32,297,578	-1%
15/04/17	29,191,627	29,228,450	0%
16/04/17	28,844,782	28,588,182	-1%
17/04/17	31,802,593	31,397,710	-1%
18/04/17	32,710,361	34,109,259	4%
19/04/17	31,334,317	32,083,023	2%
20/04/17	28,636,931	29,106,183	2%
21/04/17	29,817,296	30,364,031	2%
22/04/17	27,340,285	27,990,236	2%
23/04/17	25,987,575	26,326,954	1%
24/04/17	35,379,618	35,648,051	1%
25/04/17	41,259,321	41,456,369	0%
26/04/17	41,729,244	42,627,084	2%
27/04/17	38,785,885	40,748,902	5%
28/04/17	38,299,884	37,674,106	-2%
29/04/17	32,815,458	33,072,708	1%
30/04/17	30,509,676	30,491,976	0%
01/05/17	24,413,524	23,795,830	-3%
02/05/17	24,302,637	25,975,945	7%
03/05/17	23,150,276	24,028,827	4%
04/05/17	25,197,165	25,681,413	2%
05/05/17	25,441,504	26,123,919	3%
06/05/17	27,037,615	27,718,183	3%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
07/05/17	17,039,541	17,145,736	1%
08/05/17	20,495,997	22,010,479	7%
09/05/17	21,255,656	21,097,545	-1%
10/05/17	19,844,112	20,017,299	1%
11/05/17	20,339,305	21,405,725	5%
12/05/17	22,361,714	22,502,658	1%
13/05/17	21,378,834	21,883,665	2%
14/05/17	18,661,407	20,123,657	8%
15/05/17	21,213,655	23,517,922	11%
16/05/17	16,638,623	16,984,097	2%
17/05/17	18,270,092	19,048,383	4%
18/05/17	20,731,124	21,457,290	4%
19/05/17	20,826,154	21,466,276	3%
20/05/17	18,870,399	19,359,666	3%
21/05/17	17,935,614	18,186,684	1%
22/05/17	16,439,719	17,667,846	7%
23/05/17	13,860,682	14,392,491	4%
24/05/17	12,399,987	13,103,105	6%
25/05/17	11,473,051	12,313,901	7%
26/05/17	10,171,666	11,134,723	9%
27/05/17	12,346,243	13,598,294	10%
28/05/17	11,288,052	12,863,715	14%
29/05/17	13,848,554	14,575,296	5%
30/05/17	12,005,666	12,671,600	6%
31/05/17	11,823,159	13,218,362	12%
01/06/17	15,582,922	15,728,183	1%
02/06/17	12,569,769	13,266,996	6%
03/06/17	11,781,412	11,276,366	-4%
04/06/17	11,832,464	11,381,415	-4%
05/06/17	16,474,699	15,764,138	-4%
06/06/17	17,429,016	18,358,692	5%
07/06/17	16,172,501	18,301,486	13%
08/06/17	15,503,132	15,784,581	2%
09/06/17	14,676,508	15,615,512	6%
10/06/17	12,241,911	13,114,720	7%
11/06/17	12,657,362	12,905,098	2%
12/06/17	14,385,473	15,865,643	10%
13/06/17	12,050,535	11,809,261	-2%
14/06/17	11,865,321	12,310,051	4%
15/06/17	12,783,538	13,204,423	3%
16/06/17	11,145,160	12,019,553	8%
17/06/17	8,011,633	8,944,529	12%
18/06/17	7,196,191	7,283,986	1%
19/06/17	8,174,855	8,964,774	10%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
20/06/17	8,727,610	9,622,633	10%
21/06/17	7,932,666	8,377,050	6%
22/06/17	9,194,722	10,277,015	12%
23/06/17	10,188,313	11,000,164	8%
24/06/17	8,649,911	8,648,465	0%
25/06/17	8,839,594	8,833,951	0%
26/06/17	12,049,123	12,439,313	3%
27/06/17	9,727,386	10,304,537	6%
28/06/17	12,908,154	13,343,640	3%
29/06/17	16,301,219	16,898,723	4%
30/06/17	17,744,116	19,416,352	9%
01/07/17	12,285,442	12,757,677	4%
02/07/17	9,917,290	10,760,309	9%
03/07/17	11,067,557	11,936,084	8%
04/07/17	10,758,654	11,550,869	7%
05/07/17	9,948,053	10,788,234	8%
06/07/17	9,578,467	9,848,529	3%
07/07/17	10,021,613	10,821,016	8%
08/07/17	8,442,311	8,684,771	3%
09/07/17	7,613,048	8,289,869	9%
10/07/17	10,085,515	10,978,904	9%
11/07/17	12,092,702	12,702,589	5%
12/07/17	10,478,262	11,115,218	6%
13/07/17	10,543,222	9,254,417	-12%
14/07/17	10,060,017	11,089,257	10%
15/07/17	8,293,629	9,020,936	9%
16/07/17	7,476,347	7,672,752	3%
17/07/17	8,687,886	8,840,566	2%
18/07/17	8,328,952	8,784,557	5%
19/07/17	9,719,321	10,144,853	4%
20/07/17	10,835,208	11,626,817	7%
21/07/17	12,101,298	12,549,565	4%
22/07/17	9,540,206	9,604,651	1%
23/07/17	8,611,855	8,264,081	-4%
24/07/17	9,073,122	9,490,647	5%
25/07/17	9,355,747	10,069,798	8%
26/07/17	9,982,297	10,268,770	3%
27/07/17	11,150,644	11,775,640	6%
28/07/17	10,581,126	10,839,821	2%
29/07/17	9,791,139	9,764,801	0%
30/07/17	10,021,971	10,288,572	3%
31/07/17	11,045,660	11,657,283	6%
01/08/17	10,937,254	11,277,637	3%
02/08/17	10,864,993	11,250,188	4%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
03/08/17	10,100,611	10,800,508	7%
04/08/17	10,792,298	11,363,327	5%
05/08/17	10,191,662	10,829,336	6%
06/08/17	11,397,636	11,571,925	2%
07/08/17	10,613,603	10,151,349	-4%
08/08/17	11,854,818	13,103,101	11%
09/08/17	11,095,105	12,107,485	9%
10/08/17	11,649,629	12,325,952	6%
11/08/17	11,131,622	11,952,474	7%
12/08/17	10,353,181	10,875,545	5%
13/08/17	10,262,215	10,584,426	3%
14/08/17	12,212,542	13,409,996	10%
15/08/17	11,748,417	11,902,476	1%
16/08/17	11,794,357	12,351,716	5%
17/08/17	11,358,007	12,074,606	6%
18/08/17	12,816,558	13,600,509	6%
19/08/17	11,522,390	11,957,600	4%
20/08/17	13,069,136	13,828,436	6%
21/08/17	12,143,515	12,823,545	6%
22/08/17	11,806,395	12,225,045	4%
23/08/17	11,207,054	11,748,938	5%
24/08/17	12,028,618	12,867,526	7%
25/08/17	11,996,217	12,535,173	4%
26/08/17	10,180,502	10,572,506	4%
27/08/17	9,220,079	9,394,660	2%
28/08/17	11,051,925	11,509,605	4%
29/08/17	13,783,630	14,657,865	6%
30/08/17	13,570,725	14,014,534	3%
31/08/17	14,434,367	15,000,244	4%
01/09/17	14,302,859	14,992,011	5%
02/09/17	13,557,139	14,137,958	4%
03/09/17	11,090,522	11,296,776	2%
04/09/17	12,319,069	13,369,777	9%
05/09/17	13,511,702	13,970,966	3%
06/09/17	14,061,955	14,606,144	4%
07/09/17	15,303,665	16,287,702	6%
08/09/17	15,860,483	15,689,439	-1%
09/09/17	14,831,675	15,199,131	2%
10/09/17	16,045,056	16,342,316	2%
11/09/17	17,810,600	17,959,226	1%
12/09/17	21,236,007	21,562,579	2%
13/09/17	22,064,747	22,500,410	2%
14/09/17	23,077,940	24,015,234	4%
15/09/17	23,097,800	23,024,036	0%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
16/09/17	25,473,336	24,772,423	-3%
17/09/17	19,997,791	21,343,461	7%
18/09/17	21,083,352	22,626,037	7%
19/09/17	19,968,542	20,876,911	5%
20/09/17	19,819,735	20,188,087	2%
21/09/17	19,975,119	21,061,651	5%
22/09/17	19,441,782	19,855,603	2%
23/09/17	18,489,542	20,353,842	10%
24/09/17	14,883,787	15,513,850	4%
25/09/17	18,380,125	18,553,357	1%
26/09/17	18,849,721	19,184,000	2%
27/09/17	22,969,820	23,087,291	1%
28/09/17	21,492,670	21,831,221	2%
29/09/17	21,432,808	21,889,533	2%
30/09/17	20,964,963	20,610,022	-2%