

NDM Accuracy of Forecasting Report

Gas Year 18/19

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 18/19

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
01/10/18	31,552,895	32,969,308	4%
02/10/18	24,999,708	26,166,141	5%
03/10/18	23,851,398	24,526,062	3%
04/10/18	22,412,447	22,479,023	0%
05/10/18	28,800,591	29,658,790	3%
06/10/18	28,850,370	27,362,439	-5%
07/10/18	30,483,848	31,159,975	2%
08/10/18	27,891,264	28,284,930	1%
09/10/18	22,640,106	23,007,480	2%
10/10/18	19,327,096	19,717,210	2%
11/10/18	22,378,491	22,334,591	0%
12/10/18	25,947,844	25,708,099	-1%
13/10/18	26,247,985	27,214,639	4%
14/10/18	26,590,725	25,981,900	-2%
15/10/18	32,115,151	31,732,298	-1%
16/10/18	31,340,315	31,303,572	0%
17/10/18	32,899,372	32,732,888	-1%
18/10/18	36,261,578	36,954,708	2%
19/10/18	33,435,730	33,247,418	-1%
20/10/18	23,833,965	23,724,115	0%
21/10/18	24,880,618	24,003,765	-4%
22/10/18	35,366,532	35,645,163	1%
23/10/18	36,020,950	36,366,353	1%
24/10/18	36,998,621	37,183,458	0%
25/10/18	37,047,057	37,232,566	1%
26/10/18	43,670,729	43,750,320	0%
27/10/18	46,742,071	38,893,303	-17%
28/10/18	44,827,628	46,430,255	4%
29/10/18	49,101,159	49,548,027	1%
30/10/18	50,375,340	52,515,276	4%
31/10/18	49,481,211	48,869,215	-1%
01/11/18	52,146,553	51,166,213	-2%
02/11/18	53,678,384	55,108,843	3%
03/11/18	35,477,205	36,590,489	3%
04/11/18	34,852,844	37,135,072	7%
05/11/18	40,603,362	42,018,668	3%
06/11/18	39,578,827	39,039,190	-1%
07/11/18	44,906,572	44,133,663	-2%
08/11/18	47,071,065	46,147,218	-2%
09/11/18	47,866,095	49,570,956	4%
10/11/18	43,244,996	42,458,387	-2%
11/11/18	41,522,139	40,772,112	-2%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
12/11/18	45,851,588	46,759,800	2%
13/11/18	45,495,926	45,884,774	1%
14/11/18	39,095,625	38,411,827	-2%
15/11/18	38,966,230	38,769,994	-1%
16/11/18	37,854,963	38,155,981	1%
17/11/18	35,045,454	35,801,127	2%
18/11/18	37,622,098	38,546,642	2%
19/11/18	49,546,095	49,349,024	0%
20/11/18	54,725,730	55,173,524	1%
21/11/18	57,719,385	58,163,375	1%
22/11/18	55,481,931	55,251,213	0%
23/11/18	55,743,538	56,252,508	1%
24/11/18	47,362,843	46,822,407	-1%
25/11/18	47,620,608	46,969,387	-1%
26/11/18	54,723,164	54,567,040	0%
27/11/18	53,102,878	53,541,823	1%
28/11/18	46,159,523	46,145,828	0%
29/11/18	49,126,046	49,376,346	1%
30/11/18	54,571,264	54,287,129	-1%
01/12/18	43,941,744	43,725,824	0%
02/12/18	38,917,429	38,134,000	-2%
03/12/18	50,279,911	51,016,690	1%
04/12/18	61,845,296	63,177,387	2%
05/12/18	50,189,306	50,376,652	0%
06/12/18	44,636,684	45,433,308	2%
07/12/18	54,306,100	54,255,498	0%
08/12/18	49,450,542	49,711,507	1%
09/12/18	47,629,063	47,595,646	0%
10/12/18	55,518,761	55,970,072	1%
11/12/18	51,577,920	52,479,287	2%
12/12/18	53,134,098	53,159,713	0%
13/12/18	59,689,256	60,260,896	1%
14/12/18	59,889,906	59,474,999	-1%
15/12/18	53,125,652	53,059,215	0%
16/12/18	52,288,500	51,860,465	-1%
17/12/18	56,183,321	56,571,994	1%
18/12/18	51,887,062	51,876,001	0%
19/12/18	56,109,981	57,191,236	2%
20/12/18	55,633,121	56,418,133	1%
21/12/18	52,923,149	51,485,387	-3%
22/12/18	47,396,038	48,760,418	3%
23/12/18	45,384,693	45,407,895	0%
24/12/18	45,916,331	45,009,661	-2%
25/12/18	37,584,025	37,806,744	1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
26/12/18	38,509,383	39,382,058	2%
27/12/18	41,421,701	42,655,393	3%
28/12/18	40,121,393	41,127,115	3%
29/12/18	35,698,632	36,250,984	2%
30/12/18	35,143,934	34,115,056	-3%
31/12/18	41,211,881	40,764,912	-1%
01/01/19	41,536,032	41,758,169	1%
02/01/19	50,312,132	51,273,958	2%
03/01/19	52,177,333	52,273,608	0%
04/01/19	55,523,571	55,158,172	-1%
05/01/19	48,516,287	50,448,698	4%
06/01/19	44,381,995	44,195,947	0%
07/01/19	49,215,304	50,632,208	3%
08/01/19	52,021,261	53,150,700	2%
09/01/19	51,833,185	50,427,658	-3%
10/01/19	48,879,464	48,862,382	0%
11/01/19	48,973,441	48,883,332	0%
12/01/19	45,540,556	44,173,895	-3%
13/01/19	43,914,461	43,945,033	0%
14/01/19	51,801,333	52,815,198	2%
15/01/19	50,662,653	50,896,042	0%
16/01/19	55,125,824	54,618,170	-1%
17/01/19	64,301,301	64,870,200	1%
18/01/19	57,802,333	58,086,914	0%
19/01/19	51,497,457	52,073,714	1%
20/01/19	52,574,239	51,713,813	-2%
21/01/19	68,698,264	67,836,651	-1%
22/01/19	69,662,225	70,397,162	1%
23/01/19	68,875,897	68,907,452	0%
24/01/19	58,125,843	58,286,638	0%
25/01/19	52,008,644	52,689,284	1%
26/01/19	48,791,613	47,886,146	-2%
27/01/19	56,808,752	58,171,481	2%
28/01/19	65,331,150	66,021,100	1%
29/01/19	69,976,882	69,666,670	0%
30/01/19	73,617,313	73,642,581	0%
31/01/19	76,359,535	77,997,589	2%
01/02/19	73,660,713	74,125,375	1%
02/02/19	68,166,033	67,751,214	-1%
03/02/19	60,467,989	62,270,968	3%
04/02/19	58,432,760	58,927,892	1%
05/02/19	58,077,274	58,396,006	1%
06/02/19	56,249,119	56,424,428	0%
07/02/19	59,171,653	60,624,133	2%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
08/02/19	56,832,638	55,612,258	-2%
09/02/19	53,336,272	53,842,333	1%
10/02/19	54,125,666	54,241,842	0%
11/02/19	57,098,154	58,181,609	2%
12/02/19	50,732,401	52,203,381	3%
13/02/19	48,715,148	48,993,079	1%
14/02/19	46,625,323	46,203,385	-1%
15/02/19	45,987,996	46,315,330	1%
16/02/19	42,324,285	44,343,099	5%
17/02/19	39,061,778	38,078,543	-3%
18/02/19	49,916,738	50,839,726	2%
19/02/19	53,291,493	53,804,761	1%
20/02/19	43,942,481	43,780,417	0%
21/02/19	39,289,588	41,582,491	6%
22/02/19	40,478,030	41,604,980	3%
23/02/19	36,418,849	35,471,773	-3%
24/02/19	40,077,340	39,622,681	-1%
25/02/19	41,770,678	41,381,051	-1%
26/02/19	40,879,139	41,635,094	2%
27/02/19	43,482,997	43,761,177	1%
28/02/19	44,312,471	44,143,453	0%
01/03/19	42,470,745	40,759,692	-4%
02/03/19	44,271,658	43,564,765	-2%
03/03/19	54,585,871	51,365,695	-6%
04/03/19	61,212,661	64,568,888	5%
05/03/19	54,092,757	45,437,737	-16%
06/03/19	52,479,989	52,232,825	0%
07/03/19	55,741,186	56,471,634	1%
08/03/19	55,859,357	56,595,436	1%
09/03/19	50,090,708	51,446,489	3%
10/03/19	54,997,533	54,376,664	-1%
11/03/19	60,216,511	61,529,264	2%
12/03/19	59,209,049	59,785,626	1%
13/03/19	56,454,663	56,108,385	-1%
14/03/19	50,164,248	50,198,242	0%
15/03/19	47,081,945	47,141,244	0%
16/03/19	45,480,073	43,980,326	-3%
17/03/19	46,343,371	46,422,392	0%
18/03/19	48,600,126	48,260,461	-1%
19/03/19	43,841,435	45,885,068	5%
20/03/19	37,316,272	38,068,541	2%
21/03/19	36,218,932	36,657,730	1%
22/03/19	42,949,167	42,731,310	-1%
23/03/19	40,987,712	41,753,111	2%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
24/03/19	40,703,117	40,965,549	1%
25/03/19	42,477,473	43,935,017	3%
26/03/19	39,262,031	40,928,020	4%
27/03/19	37,986,338	36,427,261	-4%
28/03/19	33,933,324	34,057,895	0%
29/03/19	35,129,191	34,645,573	-1%
30/03/19	35,040,564	30,978,931	-12%
31/03/19	36,806,982	36,370,960	-1%
01/04/19	42,254,454	42,527,200	1%
02/04/19	50,658,109	50,928,140	1%
03/04/19	55,802,492	55,830,737	0%
04/04/19	55,689,133	55,644,886	0%
05/04/19	53,704,965	54,117,782	1%
06/04/19	40,541,411	40,332,200	-1%
07/04/19	38,563,575	38,258,572	-1%
08/04/19	45,234,836	46,152,803	2%
09/04/19	42,689,905	43,289,402	1%
10/04/19	45,431,286	46,422,511	2%
11/04/19	41,080,113	41,197,904	0%
12/04/19	45,164,533	45,238,839	0%
13/04/19	41,577,483	40,891,043	-2%
14/04/19	48,387,122	47,736,576	-1%
15/04/19	56,391,983	57,121,867	1%
16/04/19	45,287,787	44,678,805	-1%
17/04/19	38,984,814	38,797,607	0%
18/04/19	30,452,790	31,000,496	2%
19/04/19	24,272,582	23,804,096	-2%
20/04/19	17,959,689	17,616,150	-2%
21/04/19	15,771,554	14,566,599	-8%
22/04/19	17,621,958	16,651,129	-6%
23/04/19	19,617,872	21,564,412	10%
24/04/19	25,445,018	25,489,159	0%
25/04/19	29,924,114	30,348,923	1%
26/04/19	35,550,194	36,548,201	3%
27/04/19	34,701,474	34,607,303	0%
28/04/19	31,597,260	31,392,504	-1%
29/04/19	34,600,877	36,118,295	4%
30/04/19	33,514,934	33,071,773	-1%
01/05/19	28,410,459	28,051,271	-1%
02/05/19	29,259,593	29,190,668	0%
03/05/19	32,527,364	31,667,712	-3%
04/05/19	29,628,261	29,300,510	-1%
05/05/19	29,037,598	29,044,118	0%
06/05/19	30,058,188	29,634,910	-1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
07/05/19	31,804,204	33,462,467	5%
08/05/19	42,044,756	41,663,493	-1%
09/05/19	37,515,731	37,289,929	-1%
10/05/19	33,435,498	33,451,612	0%
11/05/19	27,028,720	27,706,087	3%
12/05/19	22,183,816	22,161,645	0%
13/05/19	21,020,792	21,459,527	2%
14/05/19	19,526,314	19,058,036	-2%
15/05/19	18,164,356	18,394,655	1%
16/05/19	19,467,768	19,177,422	-1%
17/05/19	24,044,754	24,076,099	0%
18/05/19	21,484,290	22,002,368	2%
19/05/19	20,723,144	20,126,129	-3%
20/05/19	20,791,886	21,577,895	4%
21/05/19	19,028,297	19,601,927	3%
22/05/19	18,613,099	18,542,936	0%
23/05/19	18,903,561	18,952,389	0%
24/05/19	17,317,725	17,174,417	-1%
25/05/19	14,968,345	15,076,412	1%
26/05/19	13,953,578	13,272,379	-5%
27/05/19	19,745,129	20,183,204	2%
28/05/19	19,844,555	20,189,221	2%
29/05/19	19,882,613	19,903,516	0%
30/05/19	15,561,437	15,645,720	1%
31/05/19	15,468,819	15,352,182	-1%
01/06/19	14,304,956	14,064,335	-2%
02/06/19	13,497,304	12,876,410	-5%
03/06/19	16,810,471	16,528,797	-2%
04/06/19	23,559,273	24,405,375	4%
05/06/19	27,499,667	25,081,064	-9%
06/06/19	24,946,936	24,795,259	-1%
07/06/19	24,347,373	24,454,270	0%
08/06/19	20,818,739	17,049,462	-18%
09/06/19	20,672,724	20,686,349	0%
10/06/19	20,583,143	20,795,012	1%
11/06/19	20,709,943	20,622,496	0%
12/06/19	28,309,915	28,275,544	0%
13/06/19	29,041,036	29,117,377	0%
14/06/19	28,182,104	28,321,124	0%
15/06/19	21,795,852	21,477,135	-1%
16/06/19	20,315,081	19,824,854	-2%
17/06/19	19,615,313	20,254,077	3%
18/06/19	17,816,117	17,686,655	-1%
19/06/19	18,163,105	17,918,050	-1%

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20/06/19	17,719,568	18,534,949	5%
21/06/19	18,361,916	18,521,983	1%
22/06/19	15,387,341	17,883,652	16%
23/06/19	18,083,529	15,642,117	-14%
24/06/19	16,321,268	16,607,476	2%
25/06/19	15,402,967	15,318,176	-1%
26/06/19	15,013,897	15,356,065	2%
27/06/19	13,939,553	13,871,893	0%
28/06/19	12,634,539	13,105,898	4%
29/06/19	11,135,261	12,647,323	14%
30/06/19	11,349,506	11,094,561	-2%
01/07/19	11,890,663	15,053,884	27%
02/07/19	11,837,911	13,931,699	18%
03/07/19	11,131,570	13,491,316	21%
04/07/19	10,432,388	12,692,205	22%
05/07/19	10,377,207	12,435,541	20%
06/07/19	10,427,097	11,846,272	14%
07/07/19	9,385,559	10,592,595	13%
08/07/19	11,308,493	11,330,135	0%
09/07/19	10,262,433	10,214,003	0%
10/07/19	10,504,427	10,290,748	-2%
11/07/19	10,047,256	10,096,058	0%
12/07/19	10,711,791	10,851,637	1%
13/07/19	9,502,926	8,815,787	-7%
14/07/19	8,651,020	8,008,732	-7%
15/07/19	9,515,140	9,495,813	0%
16/07/19	9,524,615	9,667,219	1%
17/07/19	10,510,605	10,494,734	0%
18/07/19	10,364,933	10,701,374	3%
19/07/19	10,482,122	10,696,877	2%
20/07/19	9,321,041	8,993,335	-4%
21/07/19	9,300,366	9,042,535	-3%
22/07/19	9,229,295	9,259,329	0%
23/07/19	9,173,565	9,139,693	0%
24/07/19	9,366,829	9,495,905	1%
25/07/19	9,341,277	9,735,413	4%
26/07/19	9,477,247	9,633,817	2%
27/07/19	8,676,918	8,320,045	-4%
28/07/19	8,395,211	8,068,656	-4%
29/07/19	9,808,398	10,103,379	3%
30/07/19	10,451,076	10,668,583	2%
31/07/19	10,242,913	10,377,818	1%
01/08/19	9,705,438	9,905,662	2%
02/08/19	9,424,855	9,749,936	3%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
03/08/19	8,664,560	8,696,675	0%
04/08/19	8,335,743	7,789,084	-7%
05/08/19	8,987,141	8,465,787	-6%
06/08/19	10,174,920	10,821,579	6%
07/08/19	10,254,727	10,693,434	4%
08/08/19	10,375,059	10,954,474	6%
09/08/19	10,355,504	10,564,616	2%
10/08/19	10,088,394	9,967,030	-1%
11/08/19	10,335,896	9,783,395	-5%
12/08/19	12,472,527	12,608,842	1%
13/08/19	12,812,561	12,512,613	-2%
14/08/19	11,706,419	11,340,662	-3%
15/08/19	10,953,728	11,138,054	2%
16/08/19	11,120,574	10,792,353	-3%
17/08/19	10,580,133	10,039,873	-5%
18/08/19	11,079,122	10,872,993	-2%
19/08/19	12,989,373	12,846,429	-1%
20/08/19	14,196,673	13,757,482	-3%
21/08/19	15,400,025	15,374,525	0%
22/08/19	13,007,471	13,372,936	3%
23/08/19	11,111,447	11,566,326	4%
24/08/19	9,855,290	9,377,419	-5%
25/08/19	9,632,186	8,932,493	-7%
26/08/19	11,112,606	11,149,016	0%
27/08/19	11,569,526	11,344,925	-2%
28/08/19	12,402,454	12,083,699	-3%
29/08/19	12,357,440	12,928,350	5%
30/08/19	12,318,158	12,265,454	0%
31/08/19	11,987,804	11,543,849	-4%
01/09/19	12,431,752	11,897,358	-4%
02/09/19	15,388,631	15,267,076	-1%
03/09/19	13,489,124	13,182,665	-2%
04/09/19	16,478,485	16,163,165	-2%
05/09/19	16,331,055	16,909,153	4%
06/09/19	15,706,516	15,637,092	0%
07/09/19	14,137,649	14,165,039	0%
08/09/19	13,119,627	12,867,842	-2%
09/09/19	16,026,172	15,952,560	0%
10/09/19	17,773,168	19,213,007	8%
11/09/19	14,996,207	15,638,397	4%
12/09/19	14,576,621	15,057,389	3%
13/09/19	15,716,623	16,763,684	7%
14/09/19	13,100,832	13,712,362	5%
15/09/19	15,192,840	15,346,145	1%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
16/09/19	18,144,554	17,452,627	-4%
17/09/19	17,110,077	18,026,018	5%
18/09/19	15,868,156	17,038,753	7%
19/09/19	15,272,835	16,044,356	5%
20/09/19	14,224,021	15,338,673	8%
21/09/19	12,854,021	13,721,586	7%
22/09/19	13,324,077	13,440,944	1%
23/09/19	18,114,560	19,083,672	5%
24/09/19	14,661,582	15,338,975	5%
25/09/19	14,842,924	15,456,709	4%
26/09/19	17,359,724	18,132,195	4%
27/09/19	18,900,517	19,778,639	5%
28/09/19	18,011,813	18,018,894	0%
29/09/19	17,255,800	17,573,423	2%
30/09/19	26,741,945	27,507,545	3%