

# NDM Accuracy of Forecasting Report

Gas Year 20/21

November 2021



# 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 Gas Transportation team, 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 non-daily metered (NDM) delivered energy for Gas Day D. This information is available in the <a href="#">Dashboard Reporting</a> section of the Gas Networks Ireland website.
Forecast Energy Demand, kWh	Aggregate of the final NDM energy forecasts issued to shippers on Gas Day D.
Accuracy, %	The difference between the forecast and delivered energy at all NDM offtakes for the relevant gas day, in proportion to the delivered energy.

Under the Commission for Regulation of Utilities (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 Forecast 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 numerous 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).

## NDM Forecast Accuracy

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
01/10/20	31,921,627	32,837,985	2.87%
02/10/20	30,857,585	32,230,963	4.45%
03/10/20	30,850,305	31,352,053	1.63%
04/10/20	33,477,731	33,538,630	0.18%
05/10/20	32,177,206	33,767,927	4.94%
06/10/20	31,145,267	32,016,914	2.80%
07/10/20	32,482,666	34,199,377	5.29%
08/10/20	30,675,560	31,545,663	2.84%
09/10/20	35,700,660	36,586,311	2.48%
10/10/20	32,140,423	33,130,713	3.08%
11/10/20	28,983,339	29,759,529	2.68%
12/10/20	32,704,943	34,033,286	4.06%
13/10/20	35,883,646	37,592,266	4.76%
14/10/20	32,254,415	32,503,697	0.77%
15/10/20	34,970,672	35,938,545	2.77%
16/10/20	36,940,392	38,593,373	4.47%
17/10/20	33,694,931	34,760,825	3.16%
18/10/20	31,284,102	32,705,424	4.54%
19/10/20	35,502,812	36,860,248	3.82%
20/10/20	32,448,597	33,337,146	2.74%
21/10/20	33,771,950	35,258,519	4.40%
22/10/20	37,783,841	39,403,871	4.29%
23/10/20	36,646,733	37,910,936	3.45%
24/10/20	35,073,390	31,065,174	-11.43%
25/10/20	33,628,104	35,151,631	4.53%
26/10/20	36,191,398	36,541,319	0.97%
27/10/20	38,087,186	39,913,887	4.80%
28/10/20	42,704,549	43,780,388	2.52%
29/10/20	36,312,330	37,842,420	4.21%
30/10/20	34,355,911	36,378,830	5.89%
31/10/20	31,896,681	34,202,704	7.23%
01/11/20	32,241,594	33,148,199	2.81%
02/11/20	43,915,112	45,148,968	2.81%
03/11/20	48,266,370	48,174,110	-0.19%
04/11/20	49,073,065	50,597,051	3.11%
05/11/20	47,229,478	49,510,395	4.83%
06/11/20	43,268,660	43,878,195	1.41%
07/11/20	38,018,835	38,907,260	2.34%
08/11/20	30,397,090	31,412,308	3.34%
09/11/20	33,902,416	36,436,609	7.47%
10/11/20	35,787,815	36,584,695	2.23%
11/11/20	37,473,977	38,080,159	1.62%
12/11/20	40,514,194	41,528,718	2.50%
13/11/20	44,005,359	45,175,476	2.66%
14/11/20	36,610,293	37,684,124	2.93%
15/11/20	38,845,628	39,876,367	2.65%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
16/11/20	43,857,915	45,149,322	2.94%
17/11/20	37,349,089	37,327,260	-0.06%
18/11/20	41,750,708	42,204,280	1.09%
19/11/20	47,416,626	49,166,974	3.69%
20/11/20	42,959,336	43,992,378	2.40%
21/11/20	37,137,672	37,055,129	-0.22%
22/11/20	42,812,904	42,250,114	-1.31%
23/11/20	48,020,421	48,140,440	0.25%
24/11/20	44,847,851	45,837,757	2.21%
25/11/20	51,067,625	52,391,113	2.59%
26/11/20	53,785,578	55,304,748	2.82%
27/11/20	55,529,297	56,649,538	2.02%
28/11/20	46,215,105	47,878,699	3.60%
29/11/20	41,040,322	41,964,659	2.25%
30/11/20	49,168,143	52,149,896	6.06%
01/12/20	48,886,926	50,538,943	3.38%
02/12/20	52,486,355	53,696,928	2.31%
03/12/20	62,442,742	62,920,738	0.77%
04/12/20	69,058,068	70,411,442	1.96%
05/12/20	56,293,453	56,488,357	0.35%
06/12/20	62,763,927	61,923,724	-1.34%
07/12/20	71,344,260	72,292,684	1.33%
08/12/20	69,861,994	71,532,499	2.39%
09/12/20	65,516,756	67,455,028	2.96%
10/12/20	55,638,635	56,936,386	2.33%
11/12/20	53,560,034	53,602,915	0.08%
12/12/20	53,196,870	54,185,365	1.86%
13/12/20	45,354,807	47,455,037	4.63%
14/12/20	52,538,816	54,636,841	3.99%
15/12/20	54,111,647	54,878,778	1.42%
16/12/20	55,061,973	55,685,415	1.13%
17/12/20	53,556,449	54,809,231	2.34%
18/12/20	47,601,773	47,897,248	0.62%
19/12/20	48,269,712	48,698,732	0.89%
20/12/20	49,739,331	49,903,601	0.33%
21/12/20	54,881,641	54,413,440	-0.85%
22/12/20	61,185,336	62,329,126	1.87%
23/12/20	62,696,149	62,529,679	-0.27%
24/12/20	61,883,631	60,739,583	-1.85%
25/12/20	55,682,732	56,880,621	2.15%
26/12/20	49,738,510	50,883,709	2.30%
27/12/20	56,274,178	56,734,846	0.82%
28/12/20	60,987,204	61,035,834	0.08%
29/12/20	62,483,612	62,906,111	0.68%
30/12/20	66,631,863	65,844,927	-1.18%
31/12/20	70,711,611	72,899,703	3.09%
01/01/21	60,437,275	63,597,340	5.23%
02/01/21	64,709,346	65,777,687	1.65%
03/01/21	66,022,390	66,649,510	0.95%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
04/01/21	72,189,501	75,116,152	4.05%
05/01/21	71,421,957	72,399,109	1.37%
06/01/21	73,656,584	74,300,116	0.87%
07/01/21	77,501,010	79,461,802	2.53%
08/01/21	79,786,279	80,393,411	0.76%
09/01/21	73,225,374	73,977,197	1.03%
10/01/21	64,149,113	66,165,818	3.14%
11/01/21	63,723,877	66,195,958	3.88%
12/01/21	57,105,655	57,648,873	0.95%
13/01/21	50,643,205	51,547,477	1.79%
14/01/21	52,749,824	53,113,057	0.69%
15/01/21	60,424,013	61,488,569	1.76%
16/01/21	51,264,718	51,054,359	-0.41%
17/01/21	55,355,455	55,919,333	1.02%
18/01/21	58,867,663	60,254,346	2.36%
19/01/21	50,681,730	51,955,687	2.51%
20/01/21	58,884,287	59,332,184	0.76%
21/01/21	63,588,476	64,041,848	0.71%
22/01/21	68,390,740	68,821,235	0.63%
23/01/21	64,446,743	65,887,781	2.24%
24/01/21	66,698,504	67,333,713	0.95%
25/01/21	74,365,836	75,972,776	2.16%
26/01/21	61,221,803	62,157,537	1.53%
27/01/21	52,289,029	53,278,072	1.89%
28/01/21	48,358,006	48,864,660	1.05%
29/01/21	51,228,344	51,617,786	0.76%
30/01/21	57,020,390	59,850,565	4.96%
31/01/21	58,143,601	59,151,436	1.73%
01/02/21	60,333,710	62,353,866	3.35%
02/02/21	53,414,716	54,801,292	2.60%
03/02/21	53,132,158	53,475,432	0.65%
04/02/21	51,487,643	52,168,467	1.32%
05/02/21	56,734,918	57,320,224	1.03%
06/02/21	53,679,369	53,862,647	0.34%
07/02/21	62,141,259	62,273,725	0.21%
08/02/21	76,218,321	77,568,724	1.77%
09/02/21	79,749,928	80,759,607	1.27%
10/02/21	76,875,961	78,225,873	1.76%
11/02/21	83,208,948	84,638,485	1.72%
12/02/21	78,794,767	79,722,077	1.18%
13/02/21	70,857,153	72,100,707	1.76%
14/02/21	51,996,066	53,523,339	2.94%
15/02/21	49,043,904	50,437,690	2.84%
16/02/21	47,549,960	48,527,434	2.06%
17/02/21	50,099,517	51,202,948	2.20%
18/02/21	54,125,521	54,877,410	1.39%
19/02/21	50,760,713	51,571,889	1.60%
20/02/21	44,747,561	45,025,109	0.62%
21/02/21	40,637,690	41,547,617	2.24%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
22/02/21	47,909,080	48,960,975	2.20%
23/02/21	47,697,294	48,650,405	2.00%
24/02/21	46,641,835	47,325,480	1.47%
25/02/21	48,571,930	48,585,174	0.03%
26/02/21	48,259,382	49,147,074	1.84%
27/02/21	41,906,537	41,927,220	0.05%
28/02/21	39,363,826	39,250,967	-0.29%
01/03/21	50,396,323	51,288,427	1.77%
02/03/21	55,288,580	56,050,765	1.38%
03/03/21	58,019,228	57,707,578	-0.54%
04/03/21	60,481,253	60,208,735	-0.45%
05/03/21	60,856,351	60,836,774	-0.03%
06/03/21	51,853,056	49,703,910	-4.14%
07/03/21	47,262,323	47,101,192	-0.34%
08/03/21	50,684,727	50,908,943	0.44%
09/03/21	52,040,466	51,602,436	-0.84%
10/03/21	49,172,435	46,976,071	-4.47%
11/03/21	53,227,827	53,048,322	-0.34%
12/03/21	55,547,602	55,093,846	-0.82%
13/03/21	50,883,044	52,947,460	4.06%
14/03/21	48,658,249	48,544,026	-0.23%
15/03/21	45,081,250	47,675,984	5.76%
16/03/21	37,460,071	38,398,190	2.50%
17/03/21	37,555,175	37,282,821	-0.73%
18/03/21	37,733,016	38,625,308	2.36%
19/03/21	37,584,180	37,601,699	0.05%
20/03/21	34,680,854	34,797,726	0.34%
21/03/21	32,260,089	32,416,733	0.49%
22/03/21	42,684,169	44,041,569	3.18%
23/03/21	42,636,364	42,380,650	-0.60%
24/03/21	41,120,498	41,488,083	0.89%
25/03/21	41,606,605	41,009,068	-1.44%
26/03/21	49,995,233	49,396,835	-1.20%
27/03/21	44,612,477	39,949,314	-10.45%
28/03/21	33,739,802	34,210,184	1.39%
29/03/21	30,525,769	30,866,714	1.12%
30/03/21	27,478,874	27,462,624	-0.06%
31/03/21	28,034,911	28,301,782	0.95%
01/04/21	37,215,507	36,928,664	-0.77%
02/04/21	35,475,865	34,203,513	-3.59%
03/04/21	31,210,027	31,625,009	1.33%
04/04/21	30,078,508	30,256,054	0.59%
05/04/21	43,257,517	41,679,700	-3.65%
06/04/21	51,544,179	52,936,986	2.70%
07/04/21	49,392,705	49,674,140	0.57%
08/04/21	45,807,854	45,583,499	-0.49%
09/04/21	46,316,674	45,624,114	-1.50%
10/04/21	44,976,038	44,146,807	-1.84%
11/04/21	43,979,189	45,458,809	3.36%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
12/04/21	46,777,429	48,403,750	3.48%
13/04/21	40,985,050	39,780,600	-2.94%
14/04/21	35,679,911	35,826,789	0.41%
15/04/21	36,545,275	36,641,669	0.26%
16/04/21	39,776,742	39,364,754	-1.04%
17/04/21	31,417,592	31,411,650	-0.02%
18/04/21	34,230,093	34,703,189	1.38%
19/04/21	35,614,670	36,541,490	2.60%
20/04/21	34,628,823	34,942,699	0.91%
21/04/21	30,689,262	31,425,177	2.40%
22/04/21	28,814,268	28,625,119	-0.66%
23/04/21	28,953,206	28,796,338	-0.54%
24/04/21	22,455,478	22,399,666	-0.25%
25/04/21	23,524,199	23,737,679	0.91%
26/04/21	24,457,811	25,982,320	6.23%
27/04/21	30,588,035	30,096,221	-1.61%
28/04/21	35,358,969	35,552,395	0.55%
29/04/21	34,753,621	34,871,032	0.34%
30/04/21	36,900,989	36,526,504	-1.01%
01/05/21	31,027,923	30,946,760	-0.26%
02/05/21	28,263,506	28,293,617	0.11%
03/05/21	36,555,386	35,382,937	-3.21%
04/05/21	37,654,253	38,827,888	3.12%
05/05/21	40,143,099	40,337,130	0.48%
06/05/21	36,768,648	37,005,619	0.64%
07/05/21	34,854,784	35,125,233	0.78%
08/05/21	26,102,508	25,766,056	-1.29%
09/05/21	24,507,329	26,027,604	6.20%
10/05/21	28,611,525	30,618,359	7.01%
11/05/21	25,810,084	25,398,611	-1.59%
12/05/21	29,115,977	28,762,160	-1.22%
13/05/21	25,781,837	25,953,798	0.67%
14/05/21	26,754,846	26,962,654	0.78%
15/05/21	26,228,431	26,501,477	1.04%
16/05/21	21,346,447	19,536,476	-8.48%
17/05/21	25,672,774	26,613,792	3.67%
18/05/21	25,794,145	25,133,532	-2.56%
19/05/21	23,033,169	22,946,634	-0.38%
20/05/21	31,094,653	31,834,471	2.38%
21/05/21	34,495,646	34,037,352	-1.33%
22/05/21	26,003,751	26,440,705	1.68%
23/05/21	28,887,965	28,827,143	-0.21%
24/05/21	28,057,177	27,371,646	-2.44%
25/05/21	27,327,325	26,868,463	-1.68%
26/05/21	21,914,524	22,492,732	2.64%
27/05/21	23,824,735	23,809,075	-0.07%
28/05/21	24,851,473	25,014,908	0.66%
29/05/21	16,145,571	16,317,232	1.06%
30/05/21	12,813,955	13,009,656	1.53%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
31/05/21	13,618,849	15,068,964	10.65%
01/06/21	12,632,474	12,852,643	1.74%
02/06/21	13,527,612	14,146,291	4.57%
03/06/21	13,463,756	13,212,252	-1.87%
04/06/21	13,779,239	14,308,006	3.84%
05/06/21	12,824,006	12,822,559	-0.01%
06/06/21	12,293,610	12,333,960	0.33%
07/06/21	12,384,242	11,857,671	-4.25%
08/06/21	13,220,514	14,721,513	11.35%
09/06/21	12,320,717	13,030,442	5.76%
10/06/21	11,710,859	11,986,785	2.36%
11/06/21	11,801,280	11,876,298	0.64%
12/06/21	10,397,374	10,975,727	5.56%
13/06/21	8,989,491	8,937,761	-0.58%
14/06/21	11,426,502	12,362,847	8.19%
15/06/21	10,984,635	11,224,080	2.18%
16/06/21	11,880,291	12,260,059	3.20%
17/06/21	12,596,936	12,077,177	-4.13%
18/06/21	13,011,002	12,763,729	-1.90%
19/06/21	11,423,525	11,930,863	4.44%
20/06/21	10,534,021	10,520,425	-0.13%
21/06/21	12,432,110	12,944,763	4.12%
22/06/21	12,995,699	12,801,777	-1.49%
23/06/21	13,949,209	13,733,764	-1.54%
24/06/21	13,122,924	13,547,698	3.24%
25/06/21	17,771,207	17,199,965	-3.21%
26/06/21	14,768,865	14,859,539	0.61%
27/06/21	11,298,697	11,248,382	-0.45%
28/06/21	11,804,057	11,833,551	0.25%
29/06/21	10,766,124	10,535,728	-2.14%
30/06/21	10,933,289	11,151,572	2.00%
01/07/21	10,972,592	10,811,746	-1.47%
02/07/21	10,988,844	10,884,769	-0.95%
03/07/21	10,076,423	10,176,050	0.99%
04/07/21	10,049,153	10,140,495	0.91%
05/07/21	11,143,771	11,909,407	6.87%
06/07/21	12,898,388	12,789,997	-0.84%
07/07/21	11,437,923	11,687,362	2.18%
08/07/21	11,527,239	11,820,163	2.54%
09/07/21	12,040,324	12,112,979	0.60%
10/07/21	9,854,049	9,765,016	-0.90%
11/07/21	11,115,847	11,111,181	-0.04%
12/07/21	11,030,159	10,944,887	-0.77%
13/07/21	10,582,586	10,300,294	-2.67%
14/07/21	10,004,678	10,410,270	4.05%
15/07/21	9,681,414	9,616,665	-0.67%
16/07/21	8,800,968	9,149,909	3.96%
17/07/21	7,044,399	6,913,426	-1.86%
18/07/21	6,743,893	6,824,513	1.20%



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19/07/21	8,007,463	8,140,028	1.66%
20/07/21	7,945,470	8,055,145	1.38%
21/07/21	7,991,031	8,019,668	0.36%
22/07/21	7,591,460	7,701,740	1.45%
23/07/21	7,550,402	7,987,419	5.79%
24/07/21	7,036,208	7,706,414	9.53%
25/07/21	6,845,404	6,765,619	-1.17%
26/07/21	8,589,623	8,934,420	4.01%
27/07/21	9,323,499	9,698,987	4.03%
28/07/21	11,036,567	11,175,192	1.26%
29/07/21	10,661,386	11,082,964	3.95%
30/07/21	11,690,470	12,094,637	3.46%
31/07/21	9,946,009	10,005,262	0.60%
01/08/21	9,636,976	9,816,276	1.86%
02/08/21	11,300,710	10,812,225	-4.32%
03/08/21	11,282,347	12,258,058	8.65%
04/08/21	10,573,922	10,859,306	2.70%
05/08/21	11,441,574	11,865,897	3.71%
06/08/21	11,450,245	12,178,526	6.36%
07/08/21	11,583,229	11,927,566	2.97%
08/08/21	10,482,456	10,598,690	1.11%
09/08/21	12,034,186	12,979,608	7.86%
10/08/21	11,332,727	10,093,059	-10.94%
11/08/21	11,103,910	11,146,839	0.39%
12/08/21	11,468,131	11,588,181	1.05%
13/08/21	11,109,906	11,551,316	3.97%
14/08/21	11,539,353	11,349,614	-1.64%
15/08/21	10,467,837	10,701,302	2.23%
16/08/21	13,467,105	13,132,765	-2.48%
17/08/21	12,757,008	12,688,669	-0.54%
18/08/21	14,329,921	14,187,599	-0.99%
19/08/21	12,392,356	11,889,689	-4.06%
20/08/21	12,440,595	12,930,256	3.94%
21/08/21	11,157,952	11,061,469	-0.86%
22/08/21	10,374,168	10,772,297	3.84%
23/08/21	10,840,638	10,807,296	-0.31%
24/08/21	10,807,802	10,791,104	-0.15%
25/08/21	10,331,831	10,648,623	3.07%
26/08/21	10,277,809	10,017,743	-2.53%
27/08/21	10,567,353	10,603,394	0.34%
28/08/21	9,494,198	9,552,002	0.61%
29/08/21	8,671,546	8,907,891	2.73%
30/08/21	12,516,021	12,975,077	3.67%
31/08/21	14,595,942	14,205,108	-2.68%
01/09/21	13,291,133	13,636,404	2.60%
02/09/21	14,599,788	14,708,803	0.75%
03/09/21	14,717,941	15,070,944	2.40%
04/09/21	11,977,409	12,241,952	2.21%
05/09/21	9,347,756	9,420,212	0.78%

Date	Daily Delivered Energy, kWh	Forecast Energy Demand, kWh	Accuracy, %
06/09/21	8,709,125	9,059,943	4.03%
07/09/21	8,327,085	8,386,681	0.72%
08/09/21	8,325,001	8,507,550	2.19%
09/09/21	8,445,297	8,621,326	2.08%
10/09/21	9,196,839	9,189,379	-0.08%
11/09/21	8,464,511	8,886,915	4.99%
12/09/21	11,708,499	11,720,941	0.11%
13/09/21	13,841,226	13,240,133	-4.34%
14/09/21	12,243,974	12,504,371	2.13%
15/09/21	12,872,752	12,885,752	0.10%
16/09/21	12,747,711	13,361,478	4.81%
17/09/21	11,065,620	11,429,079	3.28%
18/09/21	11,135,133	11,400,919	2.39%
19/09/21	10,593,115	10,267,612	-3.07%
20/09/21	13,578,980	13,475,067	-0.77%
21/09/21	13,845,684	13,650,185	-1.41%
22/09/21	11,016,652	11,343,545	2.97%
23/09/21	11,427,583	12,085,467	5.76%
24/09/21	10,701,912	10,768,792	0.62%
25/09/21	9,078,432	9,215,256	1.51%
26/09/21	10,118,467	10,250,550	1.31%
27/09/21	15,763,896	16,721,141	6.07%
28/09/21	20,605,665	20,650,265	0.22%
29/09/21	24,343,765	25,386,320	4.28%
30/09/21	22,483,256	22,283,093	-0.89%
<b>Total</b>	<b>12,341,273,272</b>	<b>12,509,614,977</b>	<b>1.36%</b>