

EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

DECEMBER 2024



SUMMARY DATA (1/2)

Arithmetic Means

	December 2024	November 2024	Monthly Change	December 2023	Annual Change
Number of Ordered Participants	8	8	2.5%	12	-30.9%
Number of Trades	8	7	14.7%	8	0.4%
Number of Orders	23	19	19.6%	30	-24.0%
BGSP (TL/’000 Sm³)	11.727	11.587	1.2%	11.949	-1.9%
DRP (TL/’000 Sm³)	12.345	12.197	1.2%	12.578	-1.9%
BGPP (TL/’000 Sm³)	12.962	12.807	1.2%	13.207	-1.9%
Traded Volume (mio.Sm³)	0,94	1,10	-14.5%	1,34	-30.0%
Transaction Volume (TL)	11.449.118	13.295.018	-13.9%	16.774.222	-31.7%
Gas Entry Volume (mio.Sm³)	245,13	208,06	17.8%	192,62	27.3%
Gas Exit Volume (mio.Sm³)	245,09	208,06	17.8%	192,65	27.2%
WRP (TL/’000 Sm³)	0	0	-	0	-

Maximum / Minimum Levels

	December 2024		November 2024		December 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	12	6	11	4	23	2
Number of Ordered Participants	11	6	10	6	14	9
Number of Orders	32	18	24	13	49	17
BGSP (TL/’000 Sm³)	12.246	11.343	12.234	11.307	12.344	11.507
DRP (TL/’000 Sm³)	12.890	11.940	12.878	11.902	12.994	12.112
BGPP (TL/’000 Sm³)	13.535	12.537	13.522	12.497	13.643	12.718
Traded Volume (mio.Sm³)	1,91	0,32	2,06	0,40	2,98	0,17
Transaction Volume (TL)	22.836.045	4.147.696	24.525.685	4.804.098	37.411.151	2.202.610
Gas Exit Volume (mio.Sm³)	273,49	200,16	284,62	161,33	227,08	133,45
Gas Entry Volume (mio.Sm³)	274,22	200,60	285,24	160,56	226,83	132,46
WRP (TL/’000 Sm³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

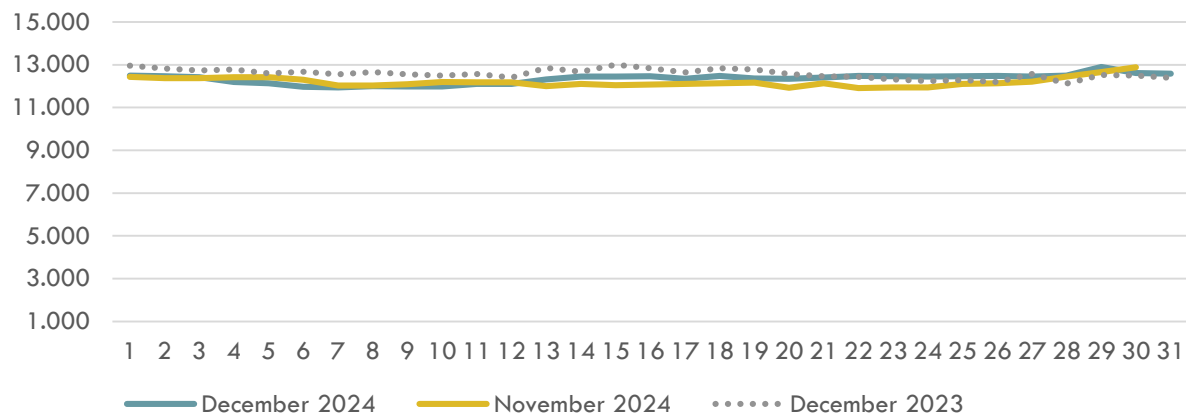
	December 2024	November 2024	Monthly Change	December 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	27	23	15.1%	15	77.4%
Total Production of Natural Gas Based Power Plants (MWh)	7.621.981	6.118.279	24.6%	3.886.704	96.1%
Total Electricity Generation (MWh)	28.393.419	26.233.409	8.2%	25.686.879	10.5%
Number of Trades	250	211	18.5%	249	0.4%
Number of Orders	708	573	23.6%	932	-24.0%
Traded Volume (mio.Sm³)	29,05	32,86	-11.6%	41,50	-30.0%
Transaction Volume (TL)	354.922.672	398.850.528	-11.0%	520.000.877	-31.7%
Gas Entry Volume (mio.Sm³)	7.599,03	6.241,79	21.7%	5.971,32	27.3%
Gas Exit Volume (mio.Sm³)	7.597,69	6.241,86	21.7%	5.972,09	27.2%

Brent Oil and TTF Prices

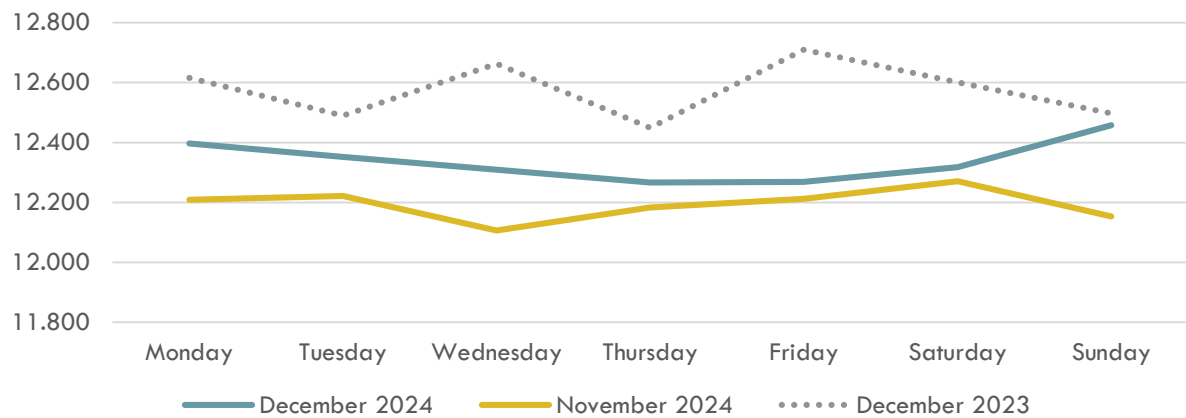
	December 2024	November 2024	Aylık Değişim	December 2023	Yıllık Değişim
Brent Oil (\$/bl)	73,13	73,40	-0.4%	77,32	-5.4%
TTF (€/MWh)	44,89	44,22	1.5%	34,93	28.5%

PRICES (1/2)

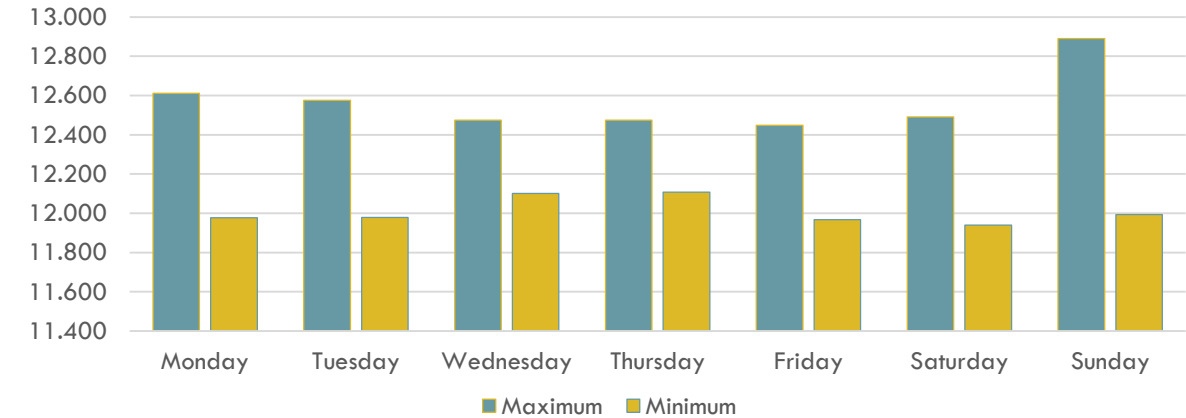
Natural Gas Market DRP (TL/‘000 Sm³)



Natural Gas Market By Days DRP (TL/‘000 Sm³)

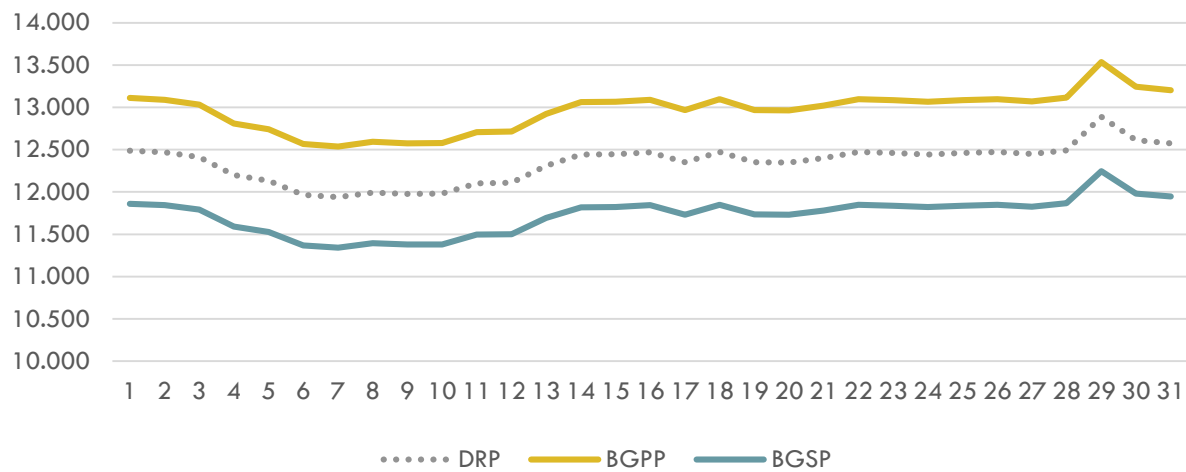


December 2024 Natural Gas Market By Days Max / Min DRP (TL/‘000 Sm³)



PRICES (2/2)

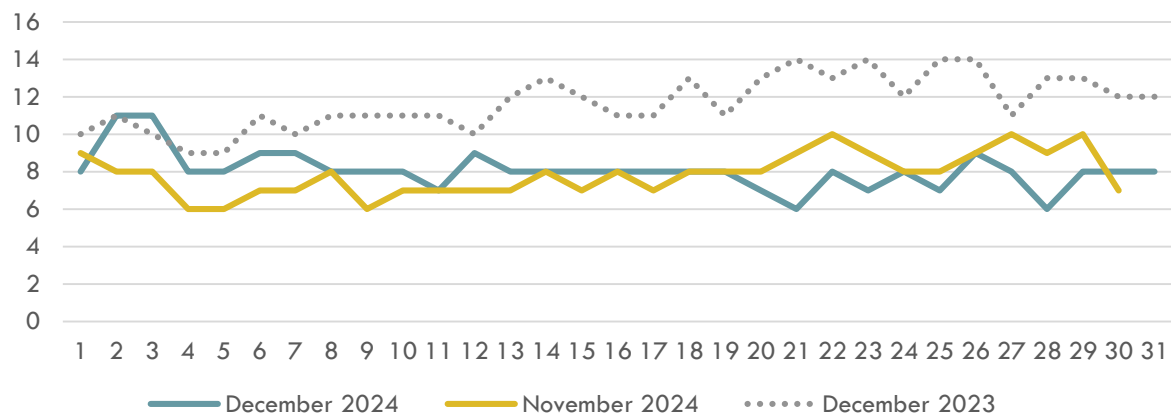
December 2024 DRP - BGPP - BGSP (TL/‘000 Sm³)



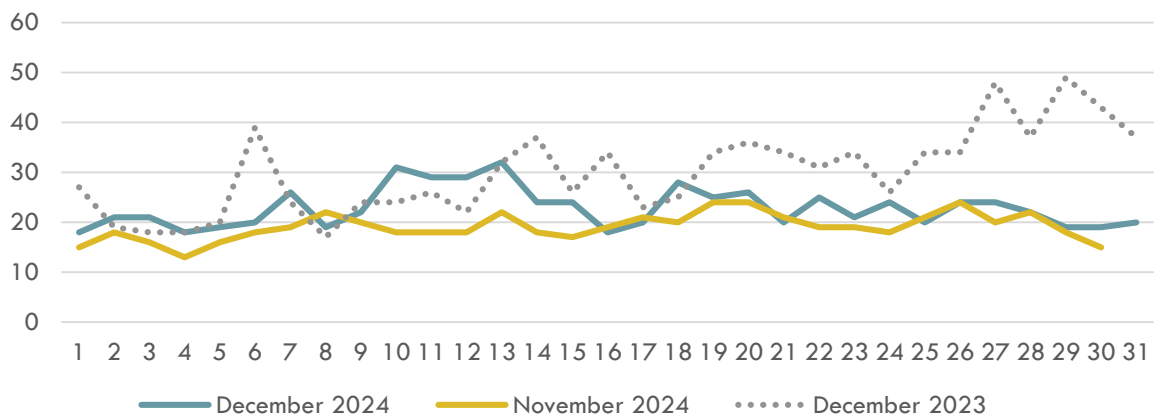
- ✓ The maximum DRP was 12.890 TL on 29 December 2024 Sun; the minimum DRP was realized at the level of 11.940 TL on 07 December 2024 Sat.
- ✓ The Maximum BGPP was 13.535 on 29 December 2024 Sun; the minimum BGPP was realized at the level of 12.537 TL on 07 December 2024 Sat.
- ✓ The maximum BGSP was 12.246 on 29 December 2024 Sun; the minimum BGSP was realized at the level of 11.343 TL on 07 December 2024 Sat.

ORDERS, TRADES, VOLUMES (1/3)

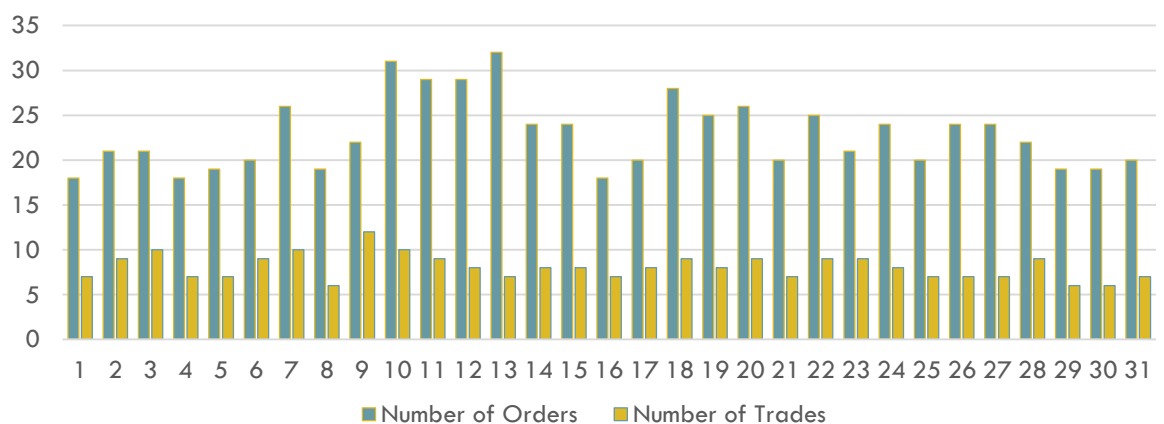
Natural Gas Market Number of Ordered Participants



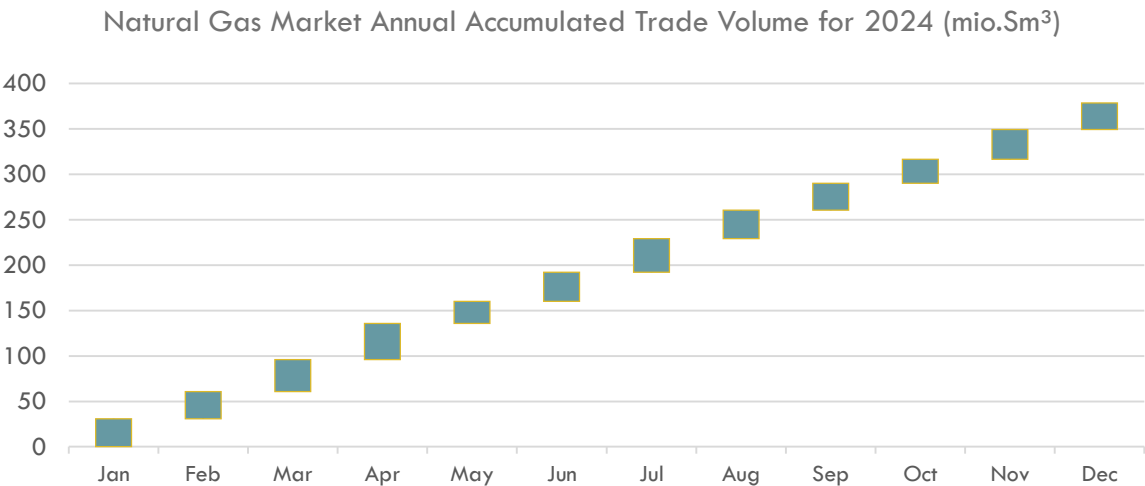
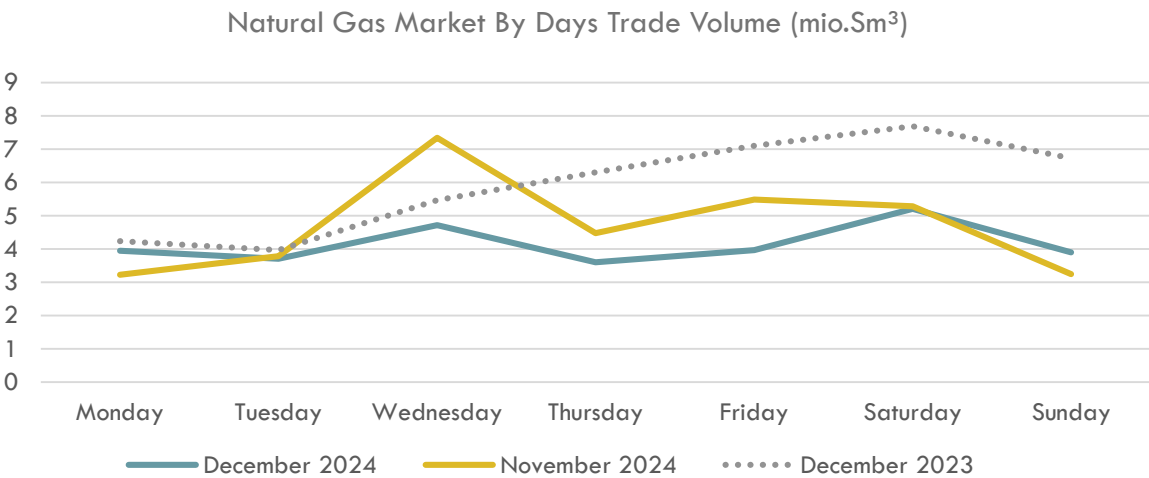
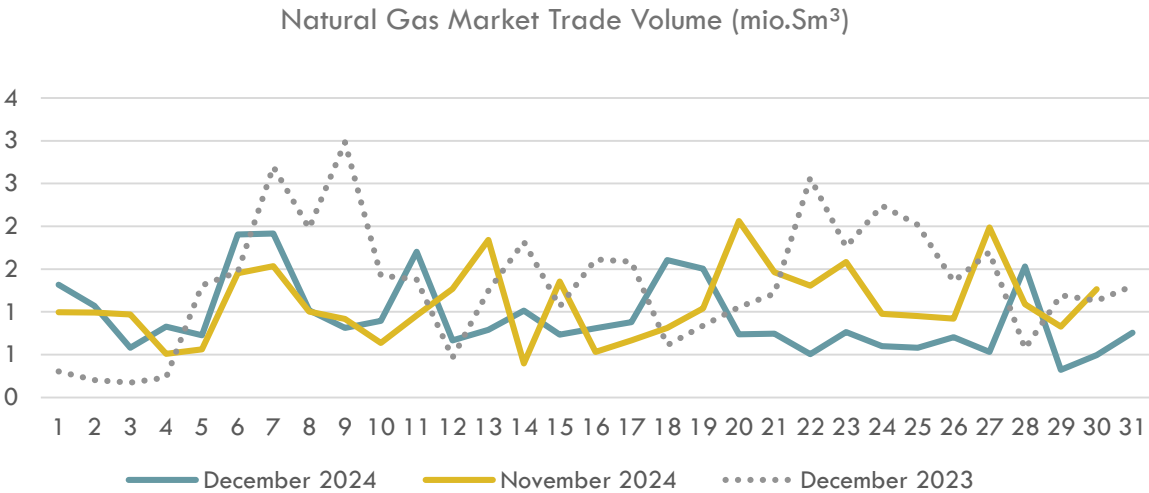
Natural Gas Market Number of Orders



December 2024 Natural Gas Market Number of Orders and Trades

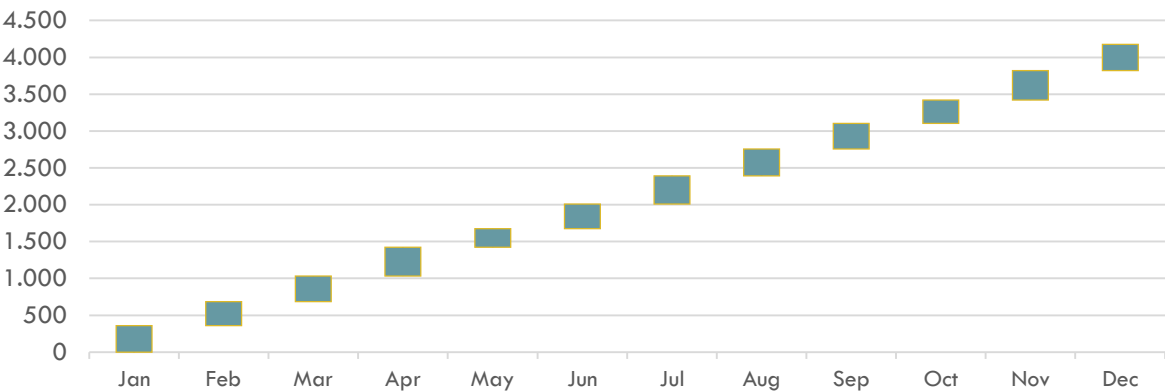


ORDERS, TRADES, VOLUMES (2/3)

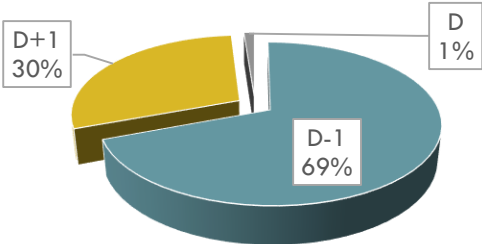


ORDERS, TRADES, VOLUMES (3/3)

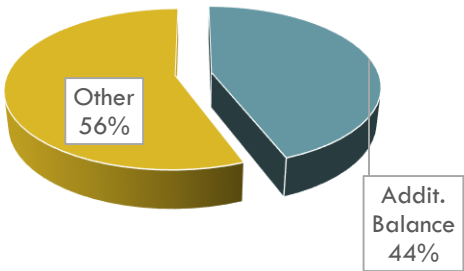
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for December 2024 Period by Sessions



Additional Balancing Traded Volume for December 2024 Period



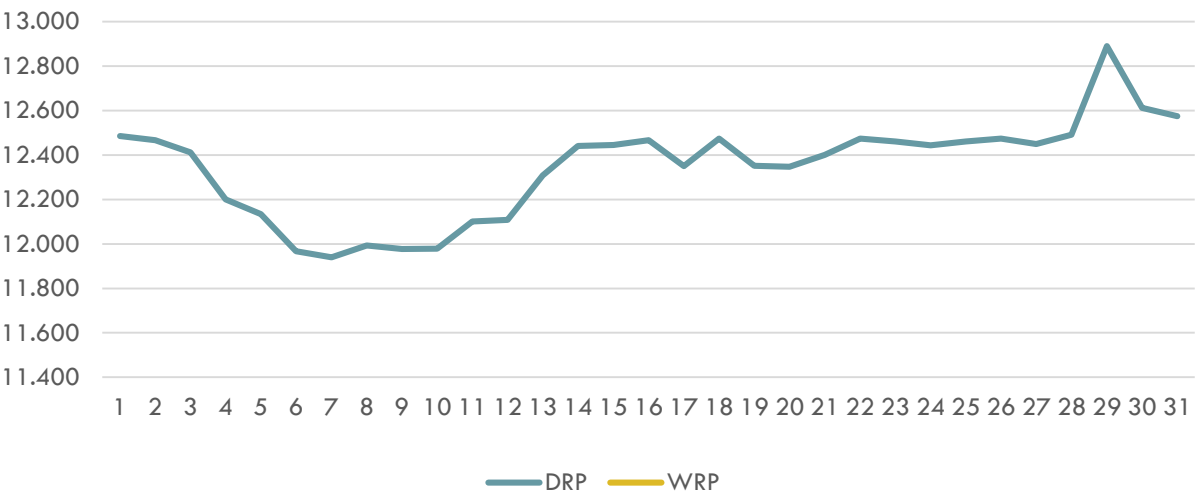
- ✓ The maximum total traded volume was 1.914 sm³ on 07 December 2024 Sat; the minimum total traded volume was realized at the level of 324 sm³ on 29 December 2024 Sun.
- ✓ The maximum total transaction volume was 22.836.045 TL on 07 December 2024 Sat; the minimum total transaction volume was realized at the level of 4.147.696 TL on 29 December 2024 Sun.
- ✓ The maximum d-1 traded volume was 1.820.000 sm³ on 06 December 2024 Fri; the minimum d-1 traded amount was realized at the level of 223.000 sm³ on 30 December 2024 Mon.
- ✓ The maximum d-1 traded volume was 21.780.933 TL on 06 December 2024 Fri; the minimum d-1 traded amount was realized at the level of 2.812.538 TL on 30 December 2024 Mon.
- ✓ The maximum d traded volume was 95.000 sm³ on 12 December 2024 Thu; the minimum d traded amount was realized at the level of 0 sm³ on 01 December 2024 Sun.
- ✓ The maximum d traded volume was 1.149.500 TL on 12 December 2024 Thu; the minimum d traded amount was realized at the level of 0 TL on 01 December 2024 Sun.
- ✓ The maximum d+1 traded volume was 1.350.000 sm³ on 11 December 2024 Wed; the minimum d+1 traded amount was realized at the level of 37.000 sm³ on 05 December 2024 Thu.
- ✓ The maximum d+1 traded volume was 15.869.995 TL on 11 December 2024 Wed; the minimum d+1 traded amount was realized at the level of 444.570 TL on 05 December 2024 Thu.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,4% in December 2024.
- ✓ Sgm share in virtual trade was realized at 2,5% in December 2024.

WEEKLY PRODUCTS (1/2)

December 2024 WRP - WD - WE - WW (TL/’000 Sm³)

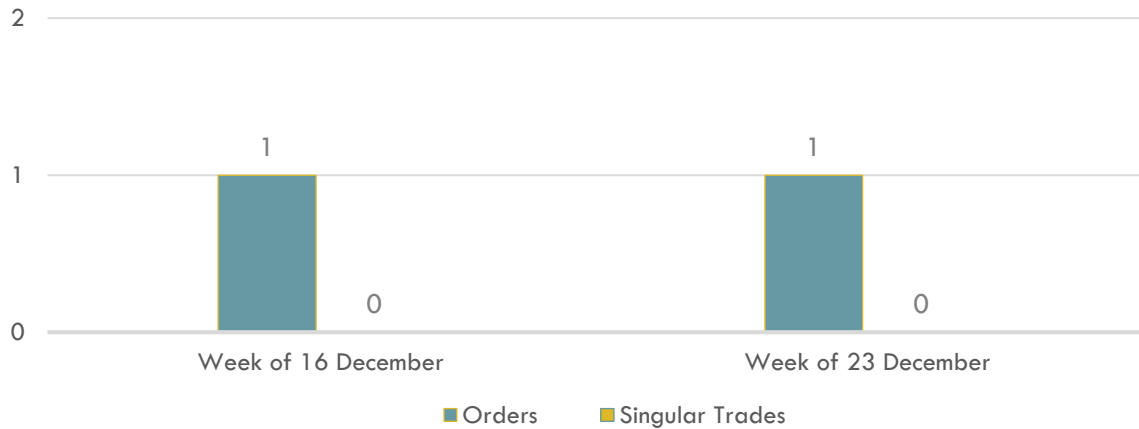


December 2024 DRP - WRP (TL/’000 Sm³)

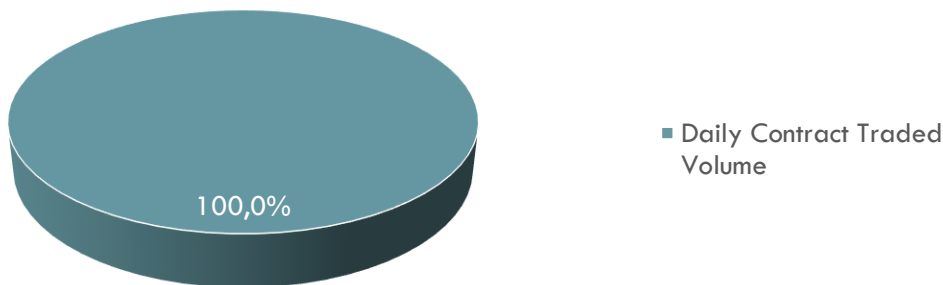


WEEKLY PRODUCTS (2/2)

December 2024 Weekly Products Number of Orders and Trades



December 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Dec 2023	41,50	520.000.877
Jan 2024	30,92	359.528.163
Feb 2024	29,90	324.663.297
Mar 2024	35,01	347.575.284
Apr 2024	40,15	389.896.769
May 2024	24,20	251.465.820
Jun 2024	32,16	335.980.805
Jul 2024	36,79	380.935.322
Aug 2024	31,38	364.845.745
Sep 2024	29,54	350.226.989
Oct 2024	26,55	315.959.182
Nov 2024	32,86	398.850.528
Dec 2024	29,05	354.922.672

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
Dec 2023	0,7%	5,0%
Jan 2024	0,4%	14,4%
Feb 2024	0,5%	16,4%
Mar 2024	0,6%	22,4%
Apr 2024	1,3%	22,1%
May 2024	0,7%	13,3%
Jun 2024	1,2%	20,8%
Jul 2024	1,0%	17,6%
Aug 2024	0,8%	2,6%
Sep 2024	0,8%	17,7%
Oct 2024	0,6%	3,5%
Nov 2024	0,5%	2,3%
Dec 2024	0,4%	2,5%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

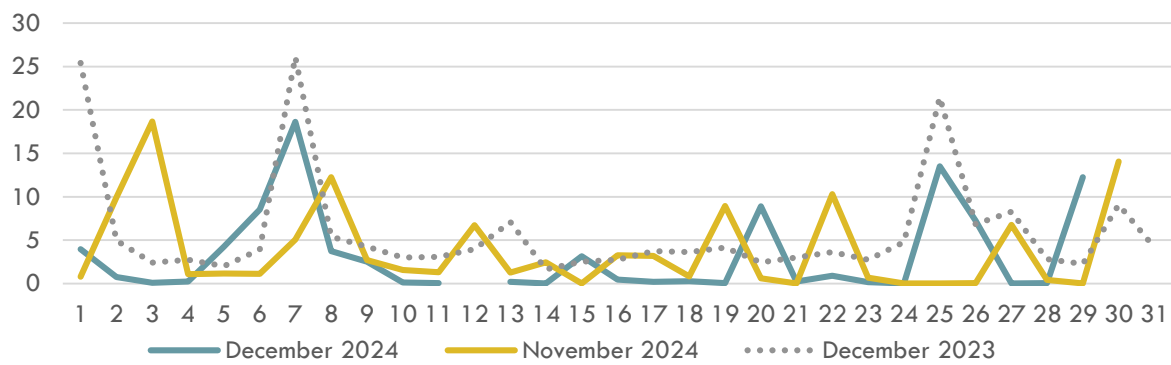
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2501	16.554	16.554	16.554
GM2502	18.653	18.653	18.653
GM2503	15.375	15.375	15.375
GM2504	17.609	17.609	17.609
GM2505	17.759	17.759	17.759
GM2506	18.972	18.972	18.972
GM2507	17.537	17.537	17.537
GM2508	15.156	15.156	15.156
GM2509	21.274	21.274	21.274
GM2510	16.819	16.819	16.819
GM2511	17.780	17.780	17.780
GM2512	26.565	26.565	26.565
GM2601	17.186	17.186	17.186
GQ2501	16.801	16.801	16.801
GQ2502	18.110	18.110	18.110
GQ2503	17.954	17.954	17.954
GQ2504	20.416	20.416	20.416
GQ2601	17.220	17.220	17.220
GY25	18.329	18.329	18.329
GY26	22.823	22.823	22.823

Traded Volumes (mio.Sm3) and Traded Amounts (TL) For Contracts

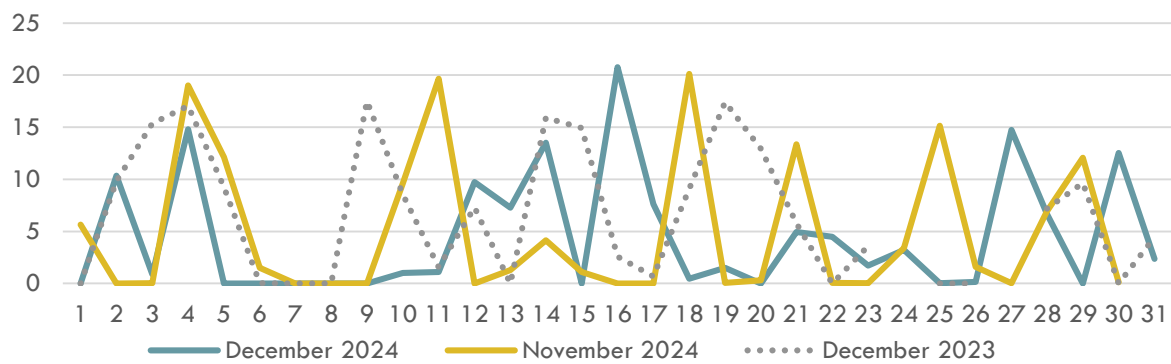
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

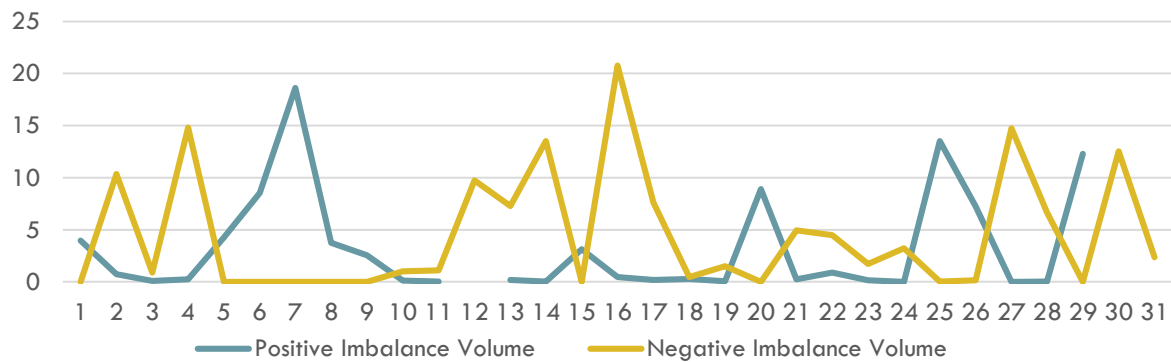
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



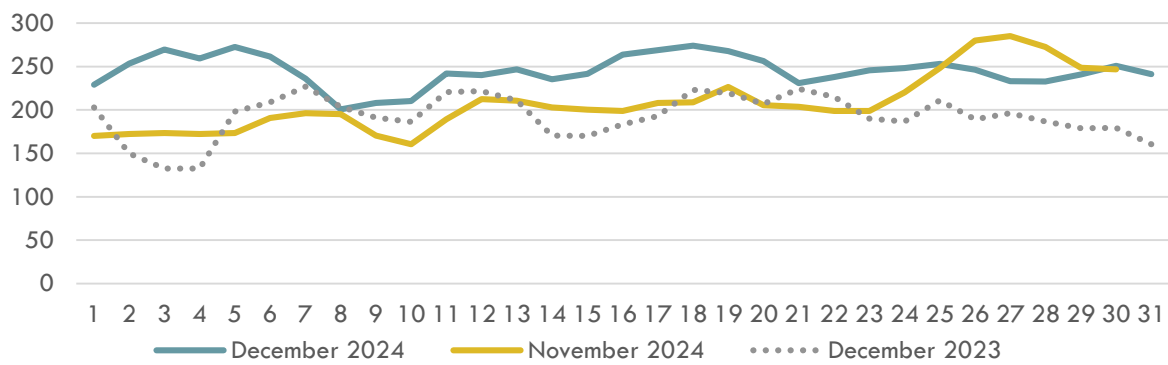
December 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



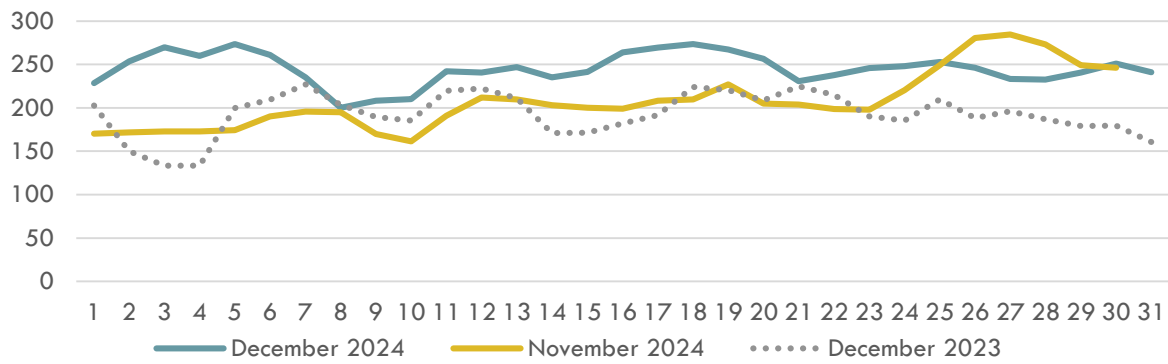
- ✓ The maximum positive imbalance volume was 18.624.530 sm³ on 07 December 2024 Sat; the minimum positive imbalance volume was realized at the level of 0 sm³ on 12 December 2024 Thu.
- ✓ The maximum negative imbalance volume was 20.761.911 sm³ on 16 December 2024 Mon; the minimum negative imbalance volume was realized at the level of 476 sm³ on 05 December 2024 Thu.

TRANSMISSION SYSTEM DATA (2/2)

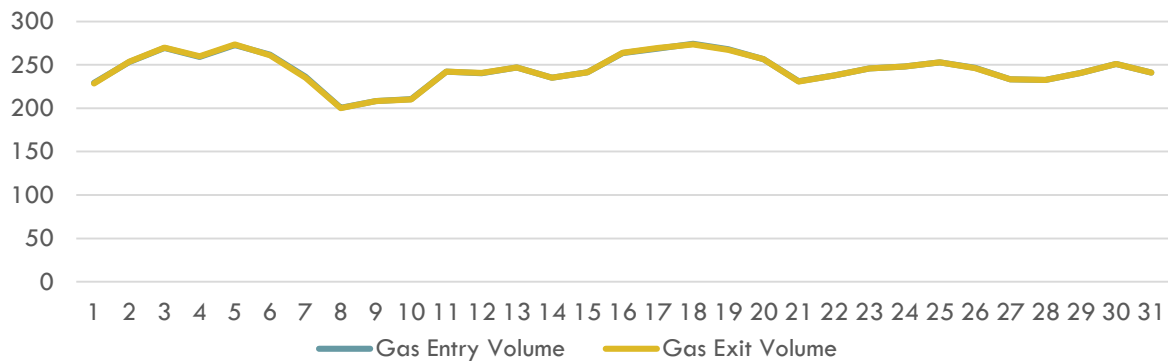
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



February 2021 Gas Entry and Exit Volume (mio.Sm³)



- ✓ Maximum gas entry volume realized on 18 December 2024 Wed was 274.217.673 sm³; minimum gas entry volume on 08 December 2024 Sun was 200.600.954 sm³ levels.
- ✓ Maximum gas exit volume realized on 18 December 2024 Wed was 273.494.378 sm³; minimum gas exit volume 08 December 2024 Sun was 200.162.910 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 21 December 2024 Sat was 419.746.060 sm³; minimum stok gas volume 05 December 2024 Thu was 417.465.323 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
01.12.2024	1.058	12.486	Purchase
02.12.2024	572	12.475	Purchase
03.12.2024	218	12.380	Purchase
04.12.2024	591	12.202	Purchase
05.12.2024	476	12.140	Purchase
06.12.2024	1.363	11.960	Purchase
07.12.2024	1.172	11.945	Purchase
08.12.2024	626	12.000	Purchase
09.12.2024	258	11.973	Purchase
10.12.2024	188	11.948	Purchase
11.12.2024	158	12.100	Purchase
12.12.2024	121	12.110	Purchase
13.12.2024	266	12.460	Purchase
14.12.2024	611	12.453	Purchase
15.12.2024	454	12.450	Purchase
16.12.2024	570	12.468	Purchase
17.12.2024	324	12.350	Purchase
18.12.2024	891	12.474	Purchase
19.12.2024	976	12.352	Purchase
20.12.2024	168	12.370	Purchase
21.12.2024	196	12.401	Purchase
22.12.2024	110	12.506	Purchase
23.12.2024	144	12.500	Purchase
24.12.2024	174	12.443	Purchase
25.12.2024	186	12.472	Purchase
26.12.2024	193	12.489	Purchase
27.12.2024	178	12.465	Purchase
28.12.2024	146	12.470	Purchase
29.12.2024	157	12.890	Purchase
30.12.2024	128	12.706	Purchase
31.12.2024	143	12.735	

Transactions with 2 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
-	-	-	-

Transactions with 3 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
-	-	-	-

Transactions with 4 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
-	-	-	-

- ✓ Additional balancing transactions with a maximum code of 1 were 1.363.000 sm³ on 06 December 2024 Fri; additional balancing transactions with a minimum code of 1 were realized at the level of 110.000 sm³ on 22 December 2024 Sun.
- ✓ In December, no additional balancing transaction code of 2 was realized.
- ✓ In December, no additional balancing transaction code of 3 was realized.
- ✓ In December, no additional balancing transaction code of 4 was realized.