

# EPIAS

## NATURAL GAS MARKET MONTHLY BULLETIN

NOVEMBER 2024



SUMMARY DATA (1/2)

Arithmetic Means

	November 2024	October 2024	Monthly Change	November 2023	Annual Change
Number of Ordered Participants	8	8	-6.6%	6	28.3%
Number of Trades	7	6	9.0%	6	23.4%
Number of Orders	19	22	-11.6%	16	17.2%
BGSP (TL/'000 Sm <sup>3</sup> )	11.587	11.399	1.6%	11.031	5.0%
DRP (TL/'000 Sm <sup>3</sup> )	12.197	11.999	1.6%	11.611	5.0%
BGPP (TL/'000 Sm <sup>3</sup> )	12.807	12.599	1.6%	12.222	4.8%
Traded Volume (mio.Sm <sup>3</sup> )	1,10	0,86	27.9%	1,33	-17.5%
Transaction Volume (TL)	13.295.018	10.192.232	30.4%	15.272.062	-12.9%
Gas Entry Volume (mio.Sm <sup>3</sup> )	208,06	133,50	55.8%	150,76	38.0%
Gas Exit Volume (mio.Sm <sup>3</sup> )	208,06	133,55	55.8%	150,61	38.1%
WRP (TL/'000 Sm <sup>3</sup> )	0	0	-	0	-

Maximum / Minimum Levels

	November 2024		October 2024		November 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	11	4	11	2	12	2
Number of Ordered Participants	10	6	10	6	8	5
Number of Orders	24	13	31	12	24	11
BGSP (TL/'000 Sm <sup>3</sup> )	12.234	11.307	11.765	11.243	12.196	10.201
DRP (TL/'000 Sm <sup>3</sup> )	12.878	11.902	12.384	11.834	12.838	10.738
BGPP (TL/'000 Sm <sup>3</sup> )	13.522	12.497	13.003	12.426	13.480	11.705
Traded Volume (mio.Sm <sup>3</sup> )	2,06	0,40	2,34	0,22	2,97	0,20
Transaction Volume (TL)	24.525.685	4.804.098	27.657.358	2.746.806	33.131.046	2.414.991
Gas Exit Volume (mio.Sm <sup>3</sup> )	284,62	161,33	165,81	102,65	217,12	91,12
Gas Entry Volume (mio.Sm <sup>3</sup> )	285,24	160,56	165,26	102,78	216,98	91,26
WRP (TL/'000 Sm <sup>3</sup> )	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

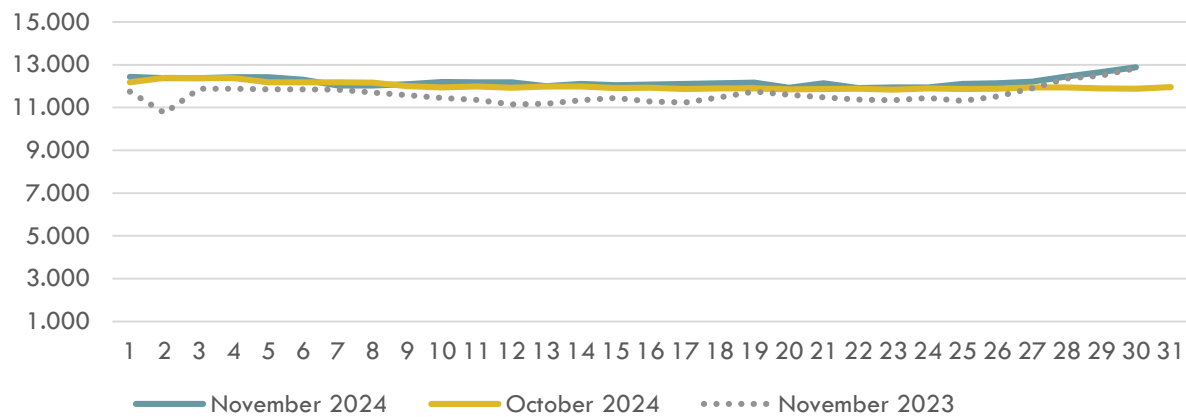
	November 2024	October 2024	Monthly Change	November 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	23	18	29.1%	18	31.7%
Total Production of Natural Gas Based Power Plants (MWh)	6.118.279	4.598.172	33.1%	4.201.340	45.6%
Total Electricity Generation (MWh)	26.230.633	25.459.853	3.0%	23.714.502	10.6%
Number of Trades	211	200	5.5%	171	23.4%
Number of Orders	573	670	-14.5%	489	17.2%
Traded Volume (mio.Sm³)	32,86	26,55	23.8%	39,81	-17.5%
Transaction Volume (TL)	398.850.528	315.959.182	26.2%	458.161.852	-12.9%
Gas Entry Volume (mio.Sm³)	6.241,79	4.138,63	50.8%	4.522,79	38.0%
Gas Exit Volume (mio.Sm³)	6.241,86	4.139,92	50.8%	4.518,39	38.1%

Brent Oil and TTF Prices

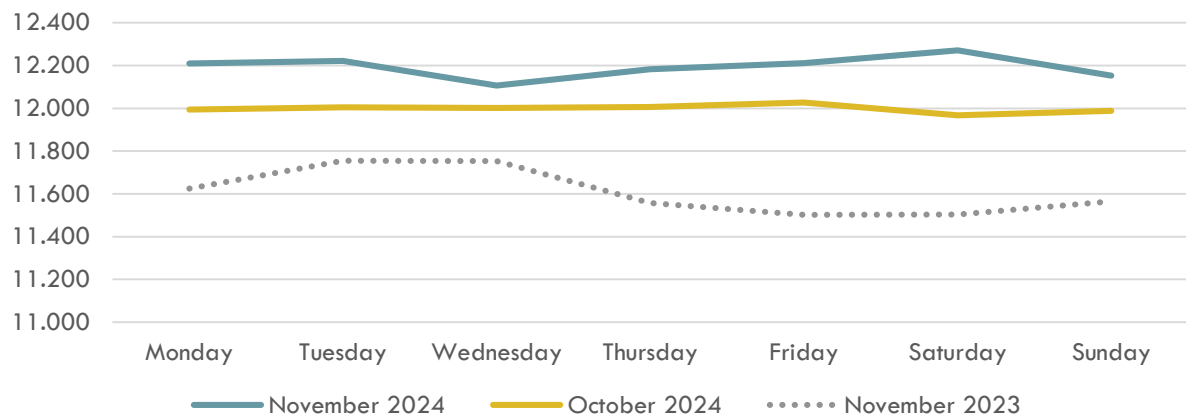
	November 2024	October 2024	Aylık Değişim	November 2023	Yıllık Değişim
Brent Oil (\$/bl)	73,40	75,38	-2.6%	82,03	-10.5%
TTF (€/MWh)	44,22	40,13	10.2%	43,27	2.2%

PRICES (1/2)

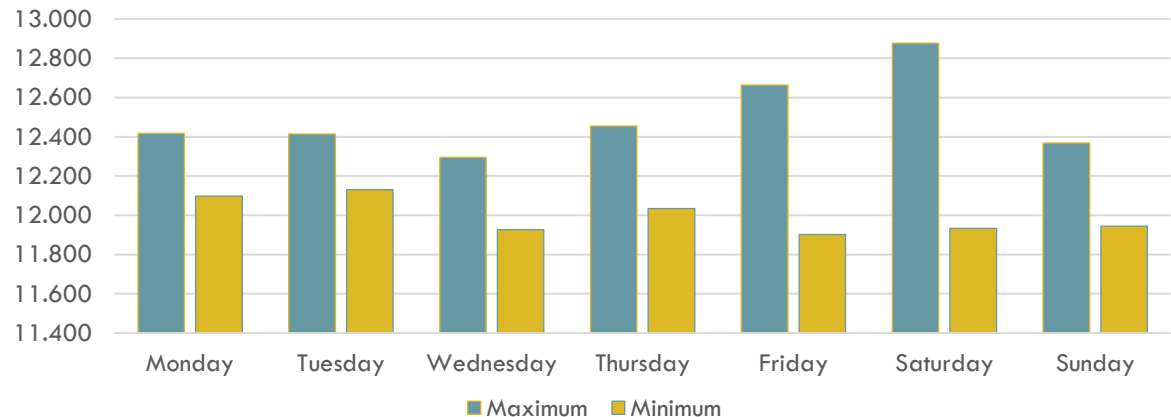
Natural Gas Market DRP (TL/‘000 Sm<sup>3</sup>)



Natural Gas Market By Days DRP (TL/‘000 Sm<sup>3</sup>)

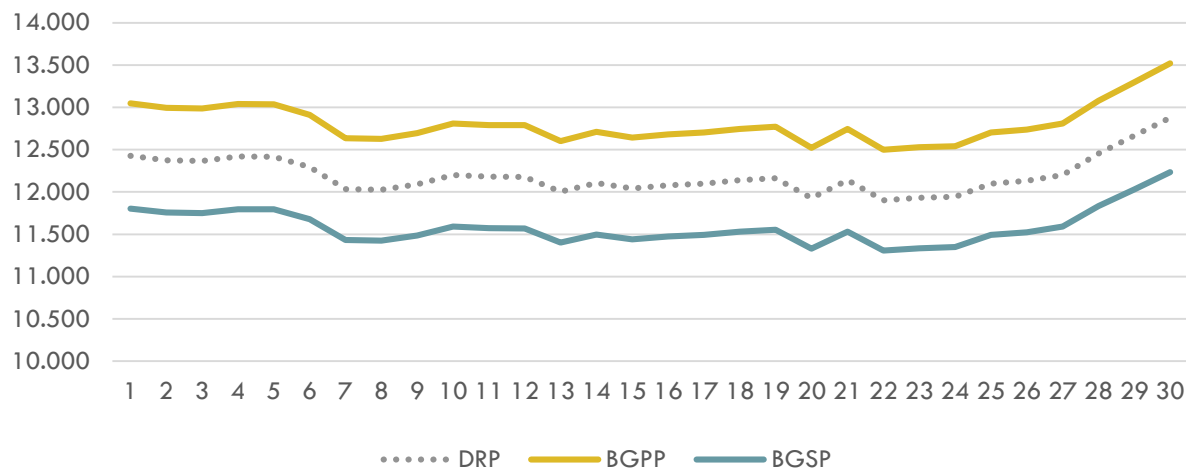


November 2024 Natural Gas Market By Days Max / Min DRP (TL/‘000 Sm<sup>3</sup>)



PRICES (2/2)

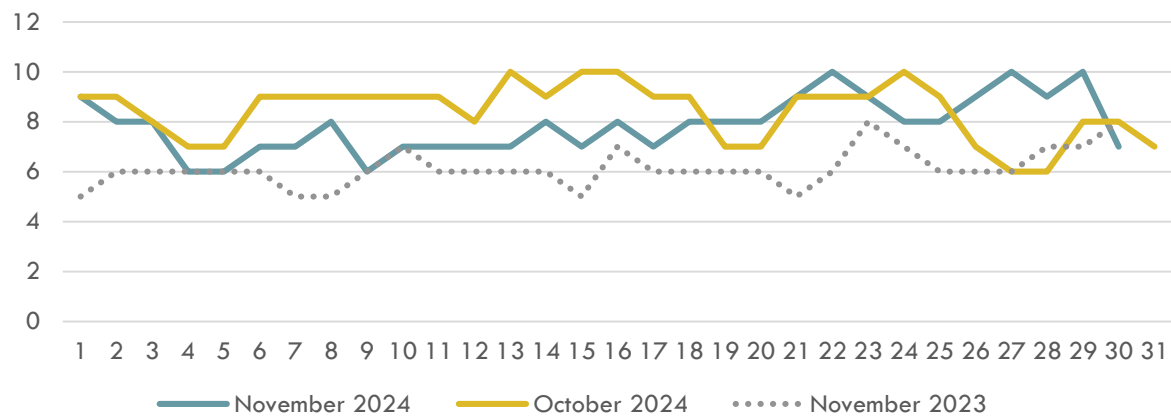
November 2024 DRP - BGPP - BGSP (TL/‘000 Sm<sup>3</sup>)



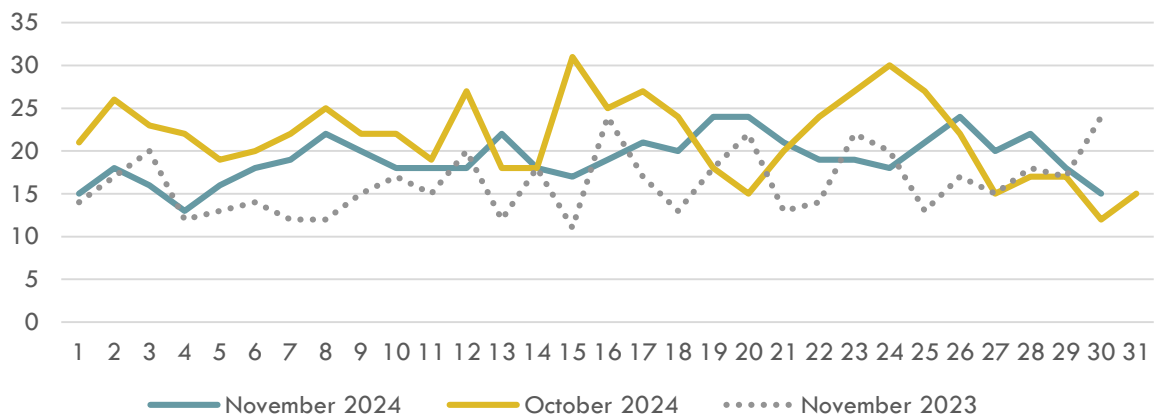
- ✓ The maximum DRP was 12.878 TL on 30 November 2024 Sat; the minimum DRP was realized at the level of 11.902 TL on 22 November 2024 Fri.
- ✓ The Maximum BGPP was 13.522 on 30 November 2024 Sat; the minimum BGPP was realized at the level of 12.497 TL on 22 November 2024 Fri.
- ✓ The maximum BGSP was 12.234 on 30 November 2024 Sat; the minimum BGSP was realized at the level of 11.307 TL on 22 November 2024 Fri.

ORDERS, TRADES, VOLUMES (1/3)

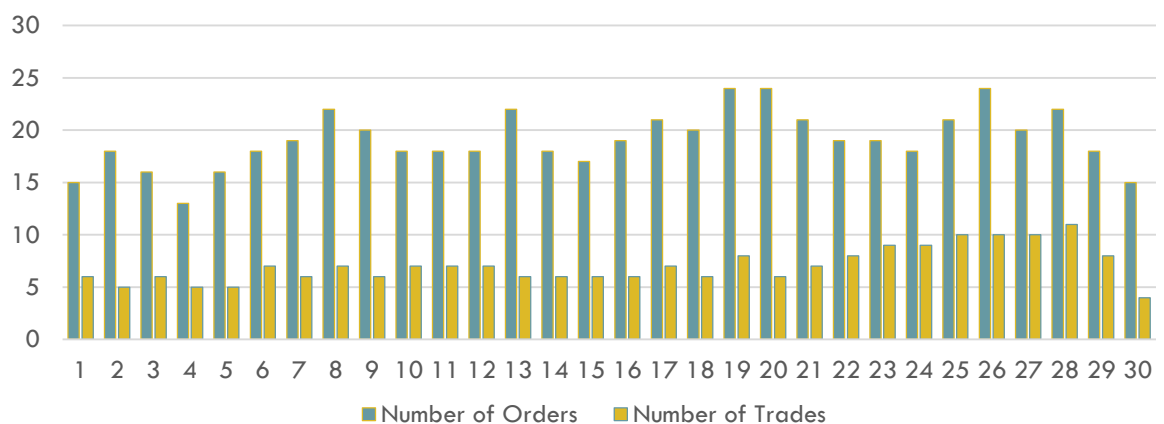
Natural Gas Market Number of Ordered Participants



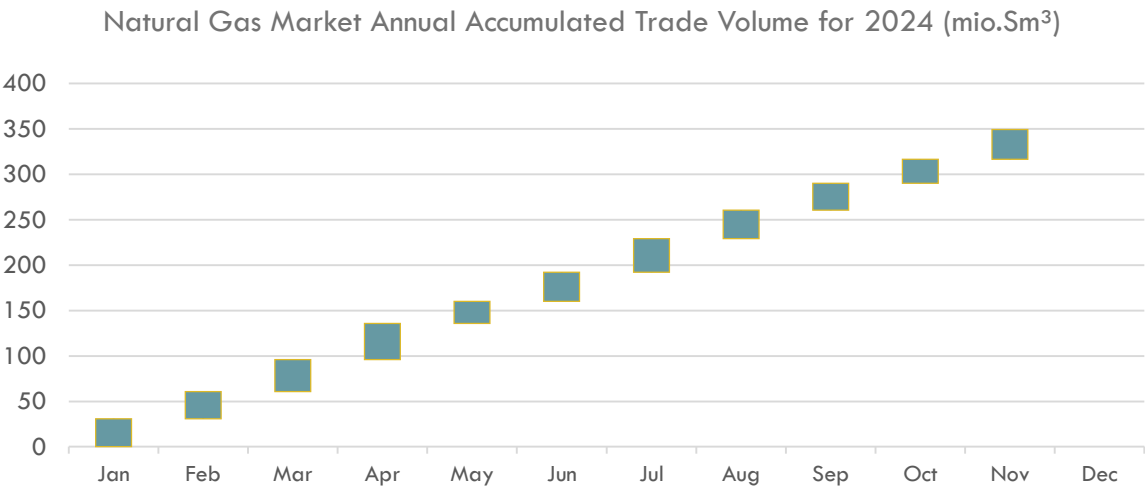
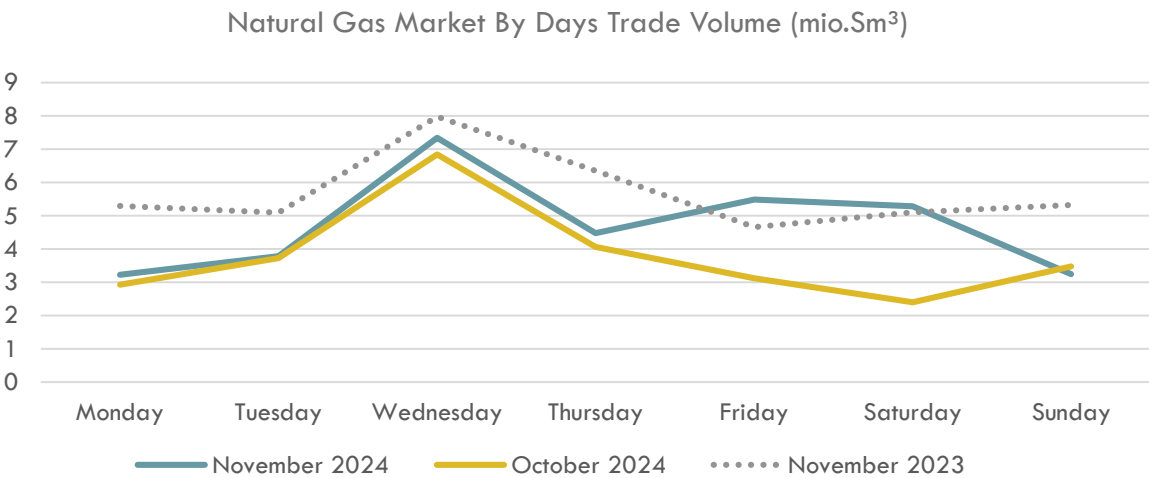
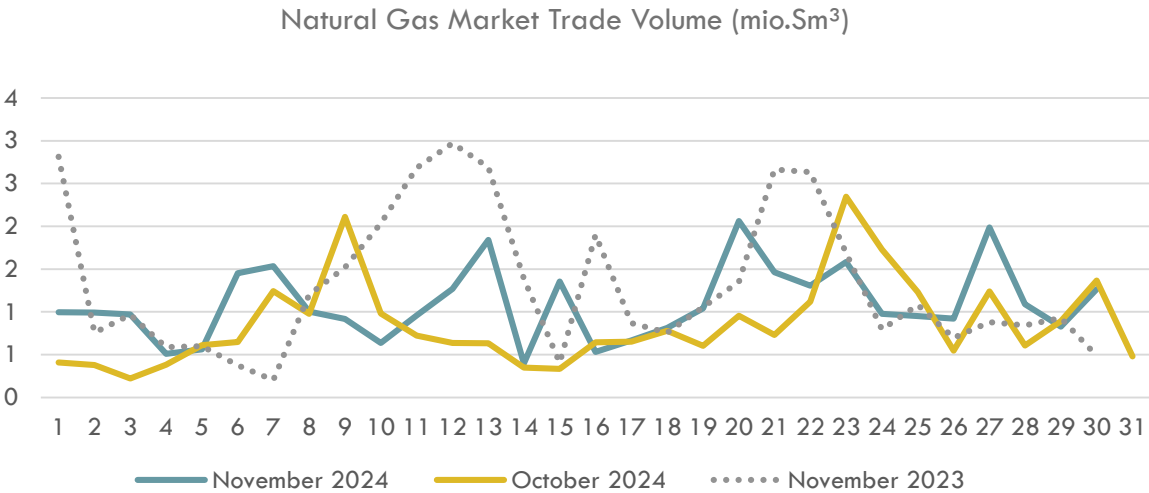
Natural Gas Market Number of Orders



November 2024 Natural Gas Market Number of Orders and Trades

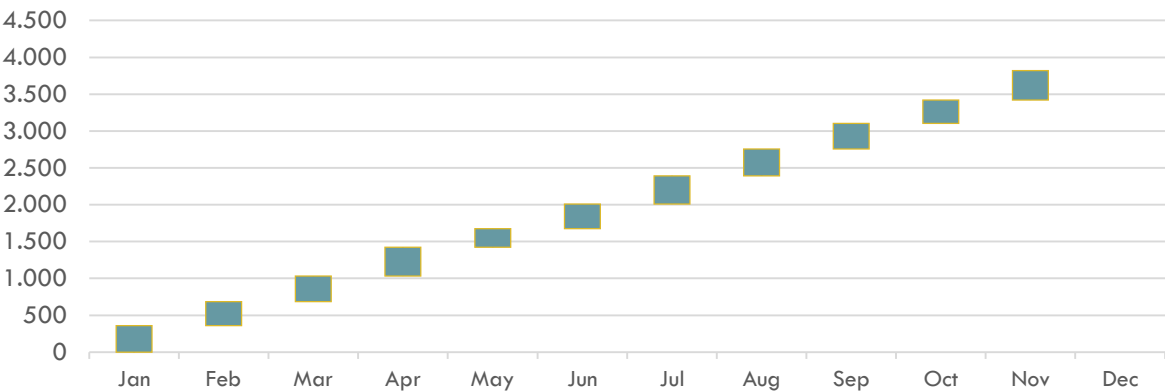


ORDERS, TRADES, VOLUMES (2/3)

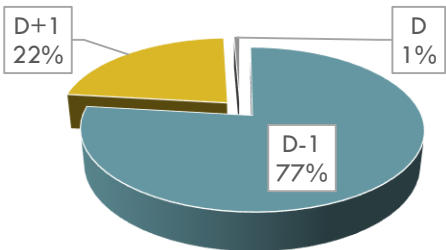


ORDERS, TRADES, VOLUMES (3/3)

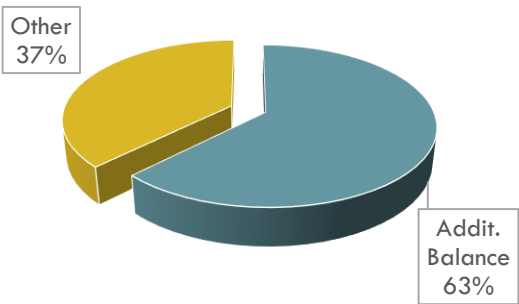
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for November 2024 Period by Sessions



Additional Balancing Traded Volume for November 2024 Period



- ✓ The maximum total traded volume was 2.060 sm<sup>3</sup> on 20 November 2024 Wed; the minimum total traded volume was realized at the level of 397 sm<sup>3</sup> on 14 November 2024 Thu.
- ✓ The maximum total transaction volume was 24.525.685 TL on 20 November 2024 Wed; the minimum total transaction volume was realized at the level of 4.804.098 TL on 14 November 2024 Thu.
- ✓ The maximum d-1 traded volume was 1.785.000 sm<sup>3</sup> on 13 November 2024 Wed; the minimum d-1 traded amount was realized at the level of 229.000 sm<sup>3</sup> on 05 November 2024 Tue.
- ✓ The maximum d-1 traded volume was 21.423.540 TL on 13 November 2024 Wed; the minimum d-1 traded amount was realized at the level of 2.843.035 TL on 05 November 2024 Tue.
- ✓ The maximum d traded volume was 95.000 sm<sup>3</sup> on 26 November 2024 Tue; the minimum d traded amount was realized at the level of 0 sm<sup>3</sup> on 01 November 2024 Fri.
- ✓ The maximum d traded volume was 1.159.000 TL on 26 November 2024 Tue; the minimum d traded amount was realized at the level of 0 TL on 01 November 2024 Fri.
- ✓ The maximum d+1 traded volume was 537.000 sm<sup>3</sup> on 25 November 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 sm<sup>3</sup> on 30 November 2024 Sat.
- ✓ The maximum d+1 traded volume was 6.434.720 TL on 25 November 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 TL on 30 November 2024 Sat.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,5% in November 2024.
- ✓ Sgm share in virtual trade was realized at 2,3% in November 2024.

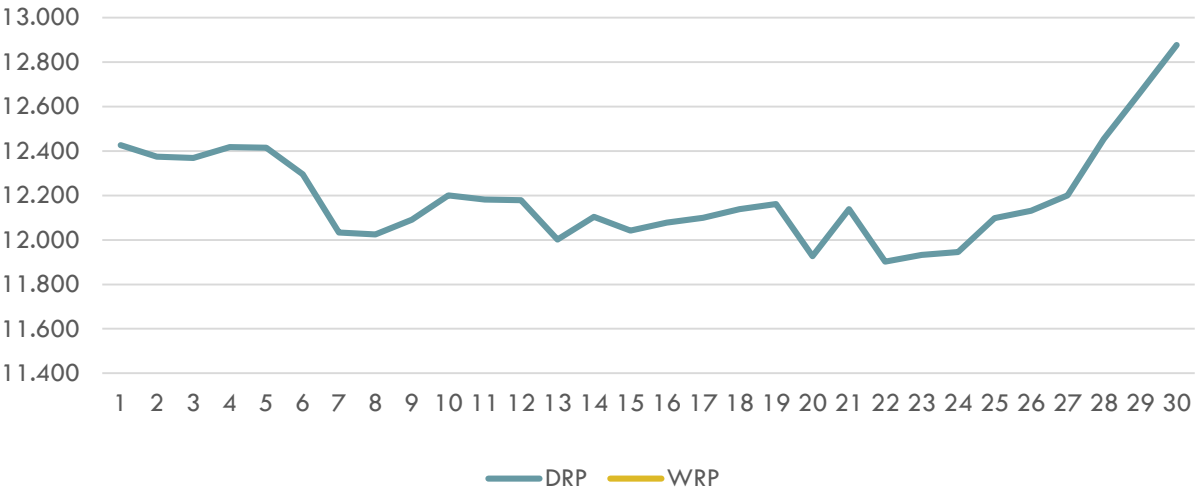


WEEKLY PRODUCTS (1/2)

November 2024 WRP - WD - WE - WW (TL/’000 Sm<sup>3</sup>)

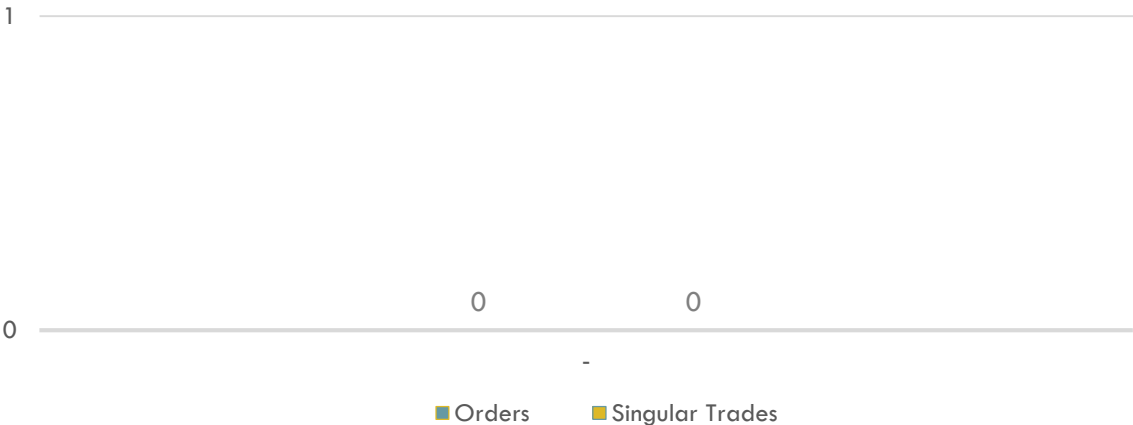


November 2024 DRP - WRP (TL/’000 Sm<sup>3</sup>)

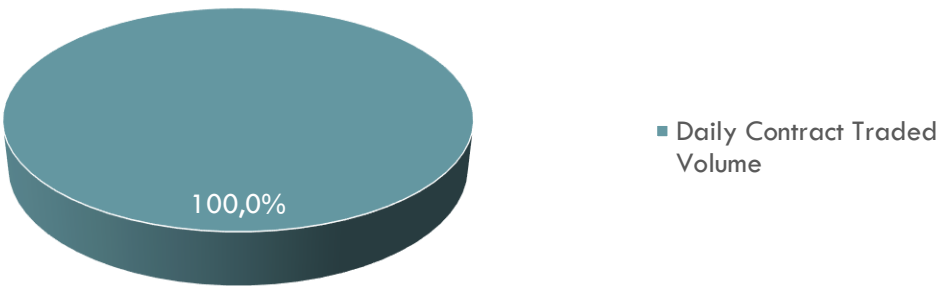


WEEKLY PRODUCTS (2/2)

November 2024 Weekly Products Number of Orders and Trades



November 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm <sup>3</sup> )	Traded Amount (TL)
Nov 2023	39,81	458.161.852
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

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
Nov 2023	0,8%	4,1%
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%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

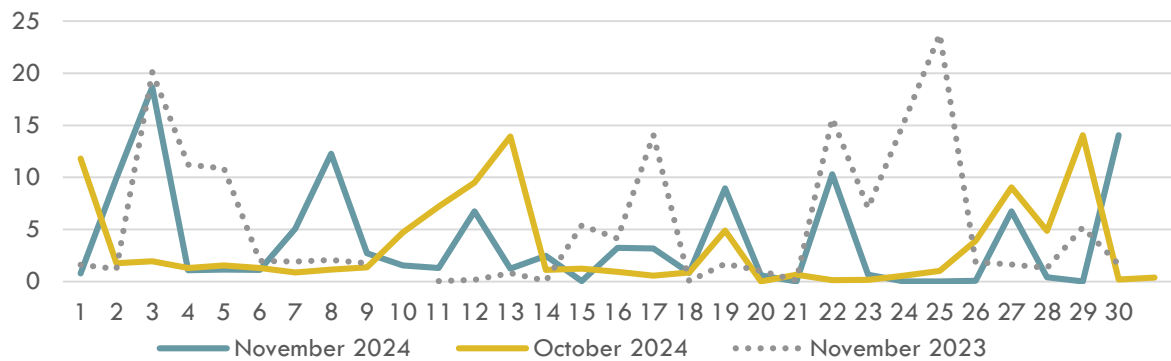
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2412	15.531	15.531	15.531
GM2501	16.554	16.554	16.554
GM2502	18.653	18.653	18.653
GM2503	15.375	15.375	15.375
GM2504	17.609	17.609	17.609
GM2505	17.759	17.759	17.759
GM2506	18.972	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
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
GY25	18.329	18.329	18.329

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

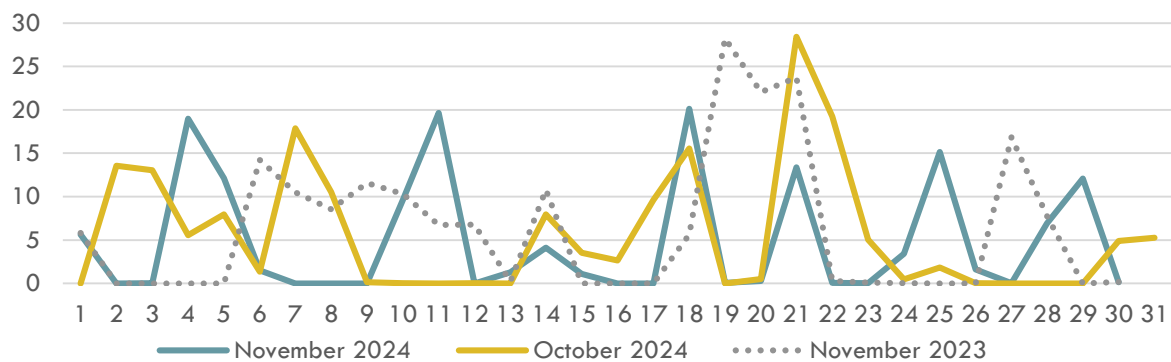
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

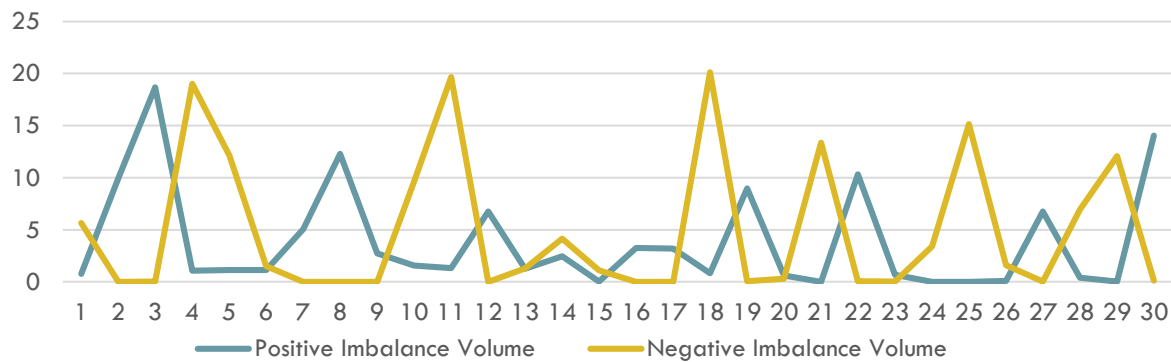
Natural Gas Market Positive Imbalance Volume (mio.Sm<sup>3</sup>)



Natural Gas Market Negative Imbalance Volume (mio.Sm<sup>3</sup>)



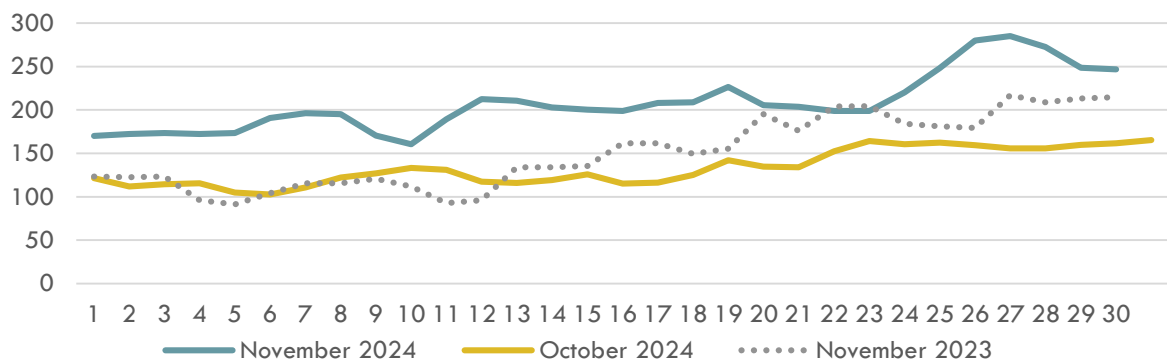
November 2024 Period Negative and Positive Imbalance Volume (mio.Sm<sup>3</sup>)



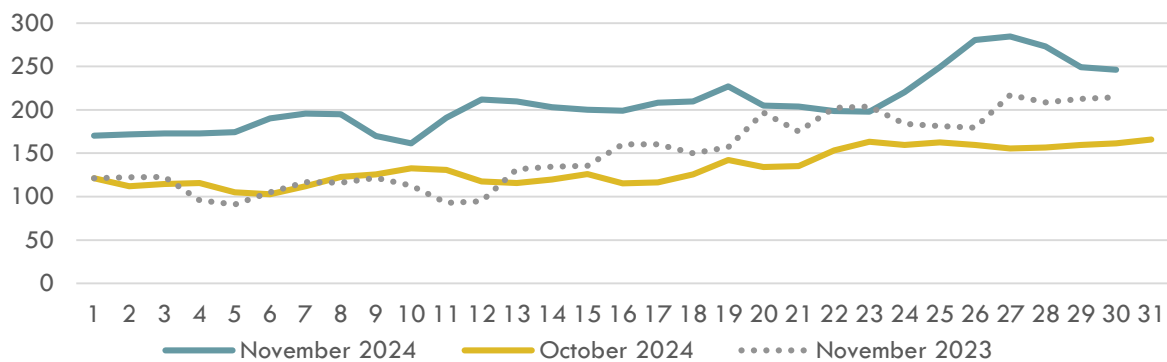
- ✓ The maximum positive imbalance volume was 18.676.217 sm<sup>3</sup> on 03 November 2024 Sun; the minimum positive imbalance volume was realized at the level of 1.372 sm<sup>3</sup> on 24 November 2024 Sun.
- ✓ The maximum negative imbalance volume was 20.128.967 sm<sup>3</sup> on 18 November 2024 Mon; the minimum negative imbalance volume was realized at the level of 197 sm<sup>3</sup> on 02 November 2024 Sat.

TRANSMISSION SYSTEM DATA (2/2)

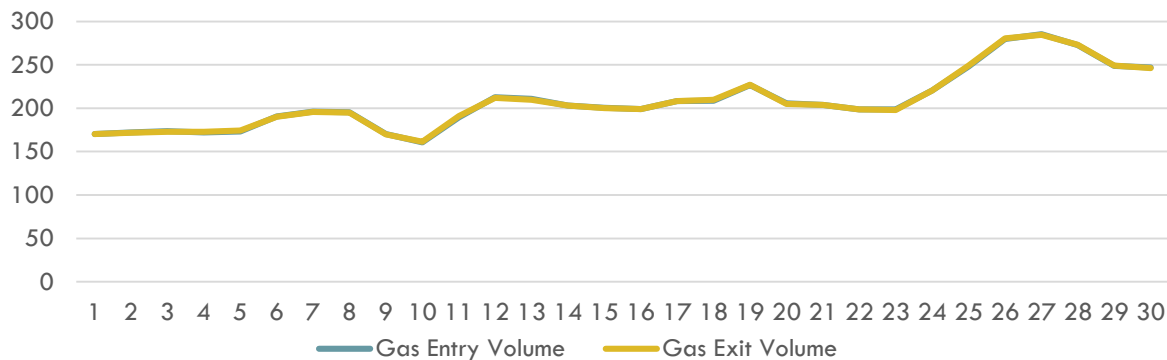
Natural Gas Market Gas Entry Volume (mio.Sm<sup>3</sup>)



Natural Gas Market Gas Exit Volume (mio.Sm<sup>3</sup>)



February 2021 Gas Entry and Exit Volume (mio.Sm<sup>3</sup>)



- ✓ Maximum gas entry volume realized on 27 November 2024 Wed was 285.244.582 sm<sup>3</sup>; minimum gas entry volume on 10 November 2024 Sun was 160.559.266 sm<sup>3</sup> levels.
- ✓ Maximum gas exit volume realized on 27 November 2024 Wed was 284.623.377 sm<sup>3</sup>; minimum gas exit volume 10 November 2024 Sun was 161.328.953 sm<sup>3</sup> levels.
- ✓ Maximum gas volume in stocks realized on 09 November 2024 Sat was 419.567.822 sm<sup>3</sup>; minimum stok gas volume 11 November 2024 Mon was 417.476.916 sm<sup>3</sup> levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
01.11.2024	733	12.440	Purchase
02.11.2024	824	12.375	Purchase
03.11.2024	791	12.368	Purchase
04.11.2024	321	12.418	Purchase
05.11.2024	134	12.415	Purchase
06.11.2024	926	12.295	Purchase
07.11.2024	1.283	12.033	Purchase
08.11.2024	574	12.030	Purchase
09.11.2024	643	12.090	Purchase
10.11.2024	158	12.200	Purchase
11.11.2024	274	12.198	Purchase
12.11.2024	928	12.195	Purchase
13.11.2024	1.595	11.998	Purchase
14.11.2024	167	12.104	Purchase
15.11.2024	706	12.040	Purchase
16.11.2024	319	12.076	Purchase
17.11.2024	432	12.100	Purchase
18.11.2024	588	12.140	Purchase
19.11.2024	453	12.176	Purchase
20.11.2024	1.481	11.930	Purchase
21.11.2024	891	12.164	Purchase
22.11.2024	587	11.900	Purchase
23.11.2024	967	11.936	Purchase
24.11.2024	383	11.945	Purchase
25.11.2024	238	12.116	Purchase
26.11.2024	281	12.100	Purchase
27.11.2024	1.246	12.200	Purchase
28.11.2024	820	12.466	Purchase
29.11.2024	624	12.673	Purchase
30.11.2024	1.178	12.878	

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 1.595.000 sm³ on 13 November 2024 Wed; additional balancing transactions with a minimum code of 1 were realized at the level of 134.000 sm³ on 05 November 2024 Tue.
- ✓ In November, no additional balancing transaction code of 2 was realized.
- ✓ In November, no additional balancing transaction code of 3 was realized.
- ✓ In November, no additional balancing transaction code of 4 was realized.