

EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

OCTOBER 2024



SUMMARY DATA (1/2)

Arithmetic Means

	October 2024	September 2024	Monthly Change	October 2023	Annual Change
Number of Ordered Participants	8	10	-16.1%	6	31.2%
Number of Trades	6	10	-34.8%	7	-2.9%
Number of Orders	22	29	-24.3%	18	19.0%
BGSP (TL/'000 Sm ³)	11.399	11.378	0.2%	10.410	9.5%
DRP (TL/'000 Sm ³)	11.999	11.977	0.2%	10.958	9.5%
BGPP (TL/'000 Sm ³)	12.599	12.686	-0.7%	11.512	9.4%
Traded Volume (mio.Sm ³)	0,86	0,98	-13.0%	1,61	-46.8%
Transaction Volume (TL)	10.192.232	11.674.233	-12.7%	17.638.867	-42.2%
Gas Entry Volume (mio.Sm ³)	133,50	117,51	13.6%	108,63	22.9%
Gas Exit Volume (mio.Sm ³)	133,55	116,67	14.5%	108,60	23.0%
WRP (TL/'000 Sm ³)	0	0	-	0	-

Maximum / Minimum Levels

	October 2024		September 2024		October 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	11	2	14	4	11	3
Number of Ordered Participants	10	6	11	9	8	5
Number of Orders	31	12	44	21	34	11
BGSP (TL/'000 Sm ³)	11.765	11.243	11.832	8.279	10.639	10.298
DRP (TL/'000 Sm ³)	12.384	11.834	12.455	8.714	11.199	10.840
BGPP (TL/'000 Sm ³)	13.003	12.426	13.078	12.412	11.759	11.382
Traded Volume (mio.Sm ³)	2,34	0,22	2,68	0,29	3,65	0,42
Transaction Volume (TL)	27.657.358	2.746.806	32.223.011	3.462.000	39.751.534	4.567.893
Gas Exit Volume (mio.Sm ³)	165,81	102,65	142,25	95,23	137,82	78,73
Gas Entry Volume (mio.Sm ³)	165,26	102,78	143,30	95,22	137,91	77,78
WRP (TL/'000 Sm ³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

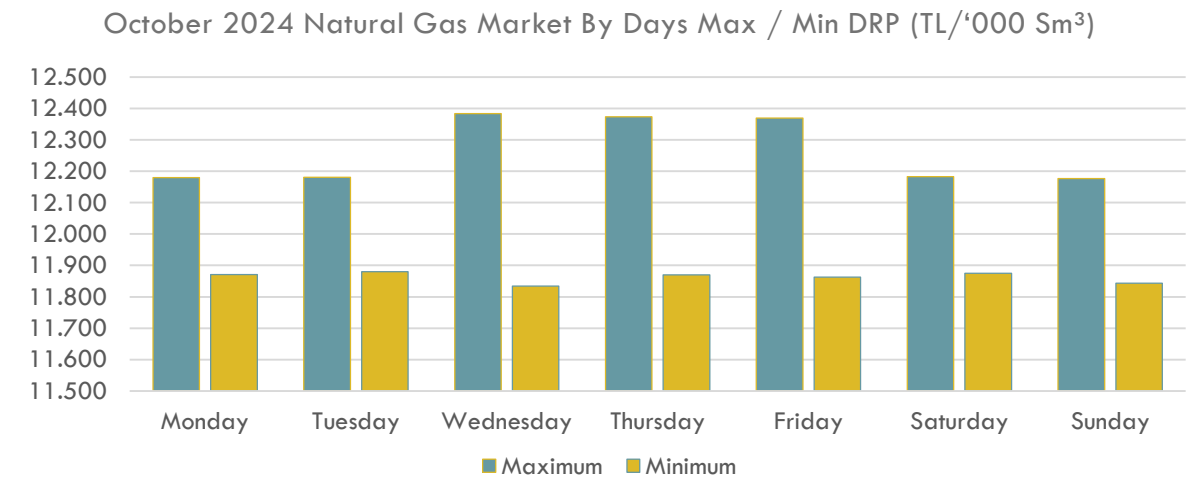
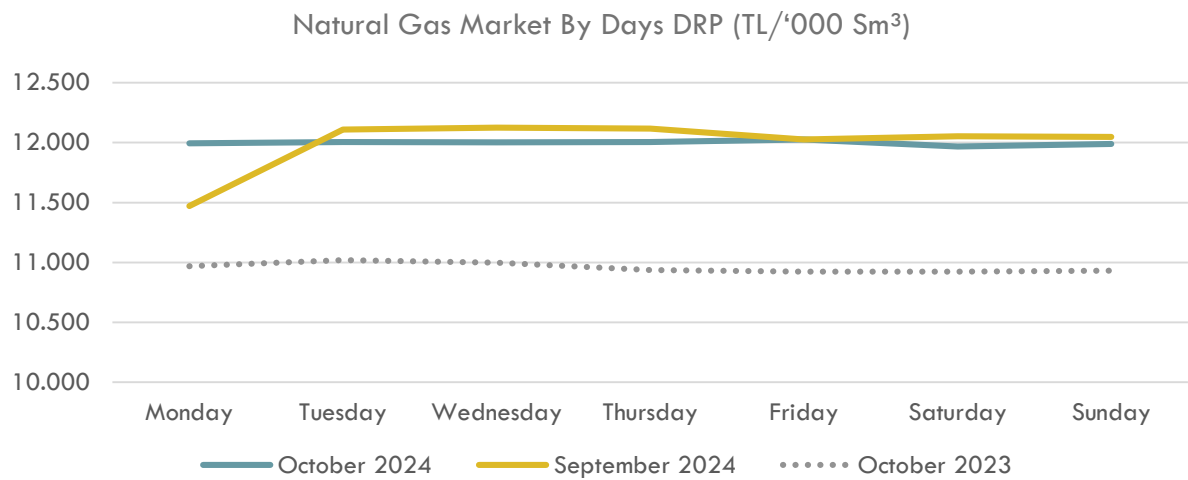
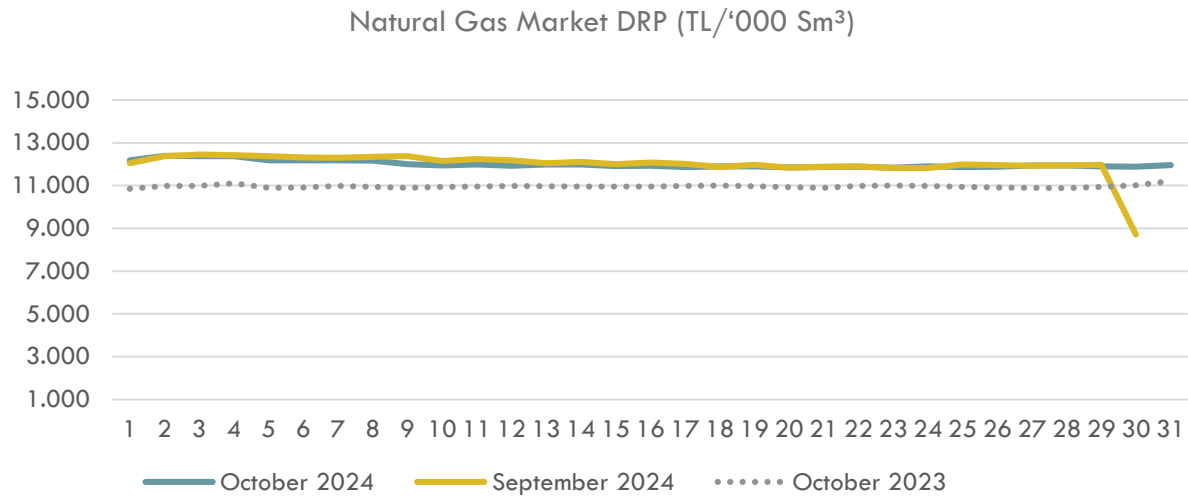
Totals

	October 2024	September 2024	Monthly Change	October 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	0	21	-100.0%	21	-100.0%
Total Production of Natural Gas Based Power Plants (MWh)	0	5.571.320	-100.0%	4.907.070	-100.0%
Total Electricity Generation (MWh)	0	26.417.062	-100.0%	23.677.773	-100.0%
Number of Trades	200	297	-32.7%	206	-2.9%
Number of Orders	670	856	-21.7%	563	19.0%
Traded Volume (mio.Sm³)	26,55	29,54	-10.1%	49,92	-46.8%
Transaction Volume (TL)	315.959.182	350.226.989	-9.8%	546.804.880	-42.2%
Gas Entry Volume (mio.Sm³)	4.138,63	3.525,17	17.4%	3.367,47	22.9%
Gas Exit Volume (mio.Sm³)	4.139,92	3.500,24	18.3%	3.366,60	23.0%

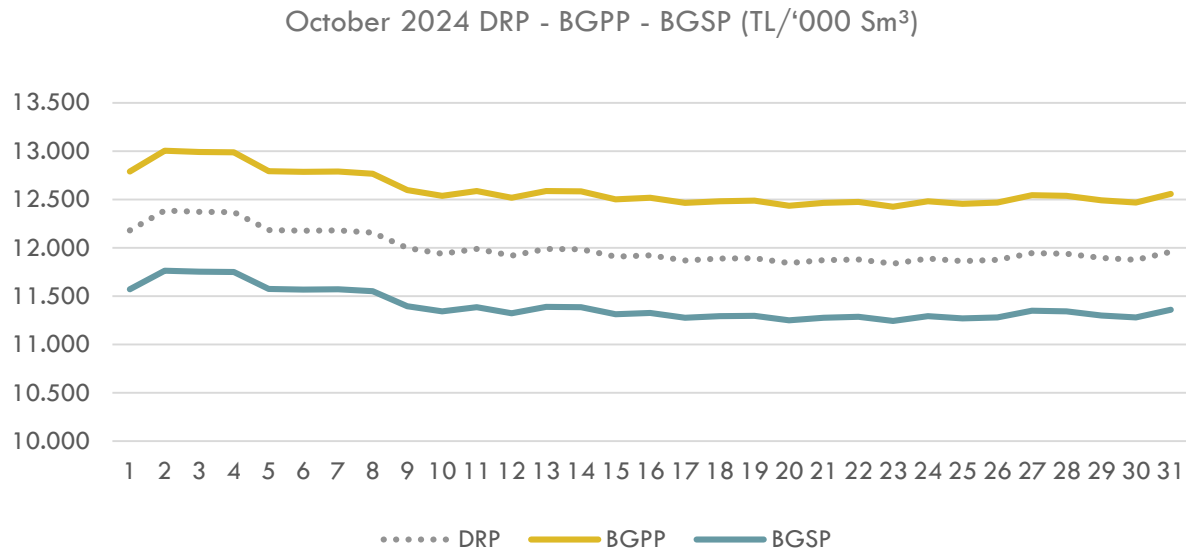
Brent Oil and TTF Prices

	October 2024	September 2024	Aylık Değişim	October 2023	Yıllık Değişim
Brent Oil (\$/bl)	75,38	72,87	3.4%	88,70	-15.0%
TTF (€/MWh)	40,13	36,25	10.7%	43,33	-7.4%

PRICES (1/2)



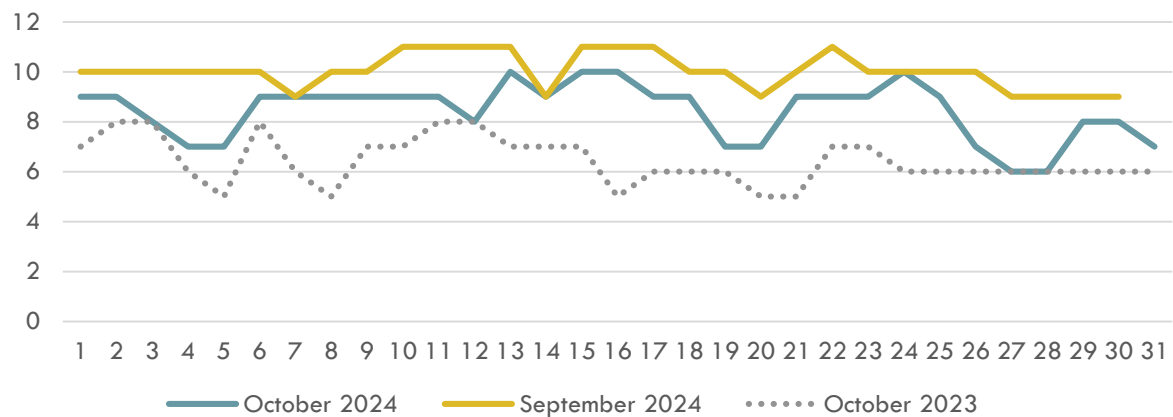
PRICES (2/2)



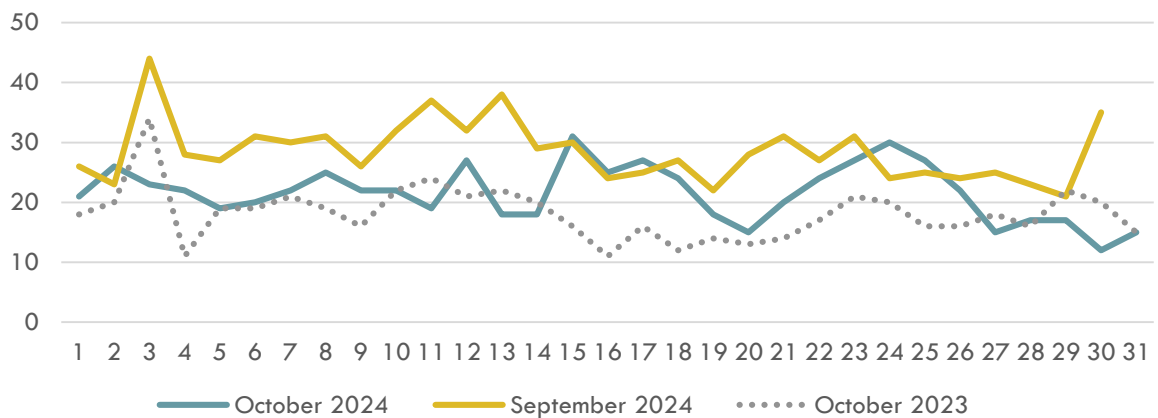
- ✓ The maximum DRP was 12.384 TL on 02 October 2024 Wed; the minimum DRP was realized at the level of 11.834 TL on 23 October 2024 Wed.
- ✓ The Maximum BGPP was 13.003 on 02 October 2024 Wed; the minimum BGPP was realized at the level of 12.426 TL on 23 October 2024 Wed.
- ✓ The maximum BGSP was 11.765 on 02 October 2024 Wed; the minimum BGSP was realized at the level of 11.243 TL on 23 October 2024 Wed.

ORDERS, TRADES, VOLUMES (1/3)

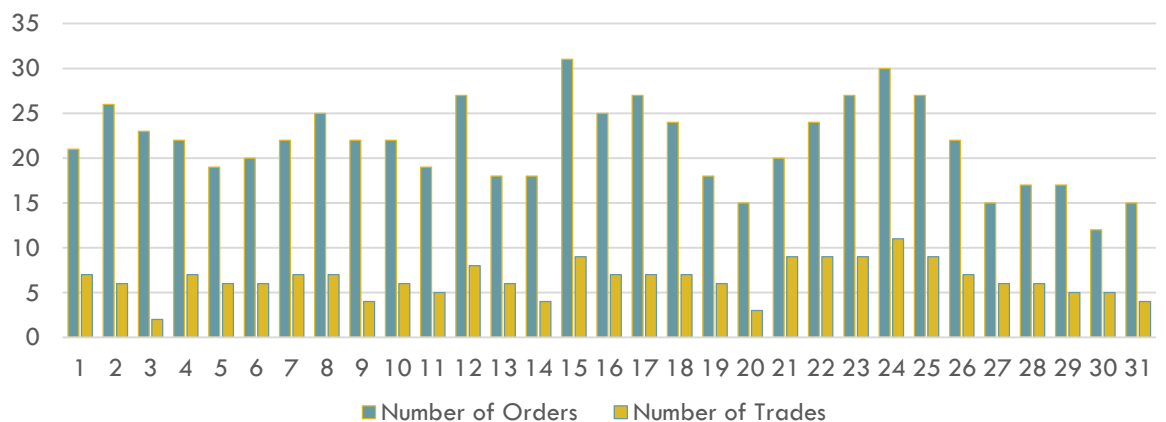
Natural Gas Market Number of Ordered Participants



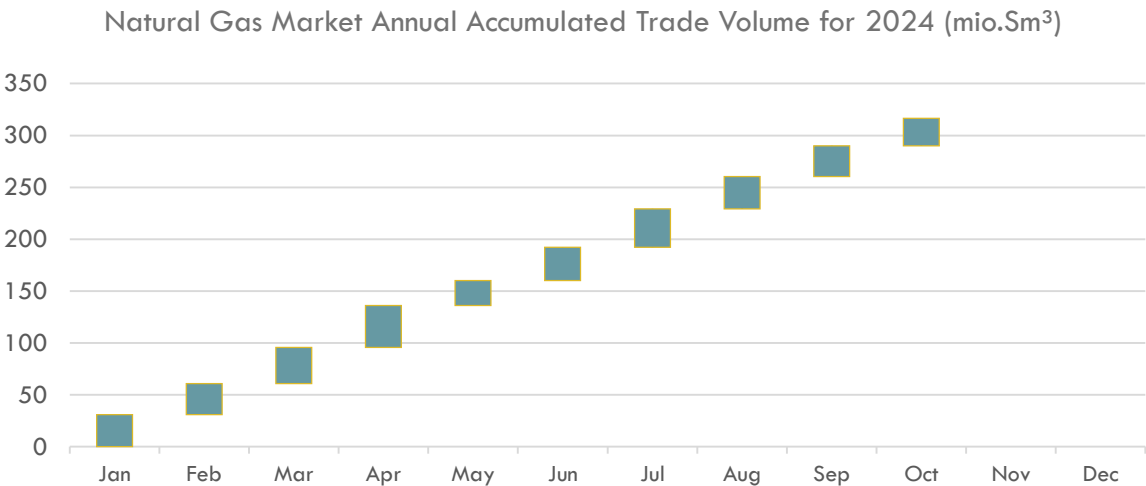
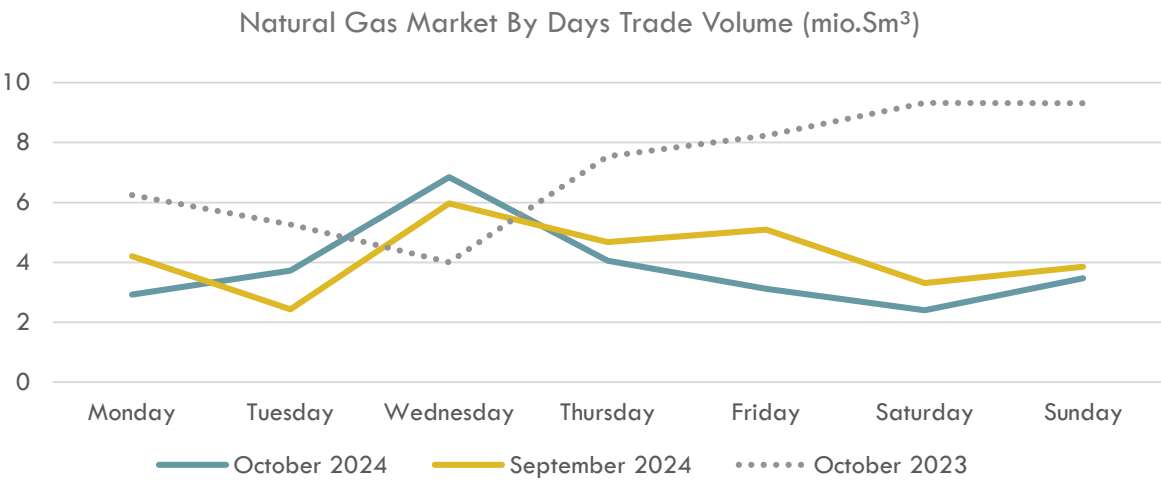
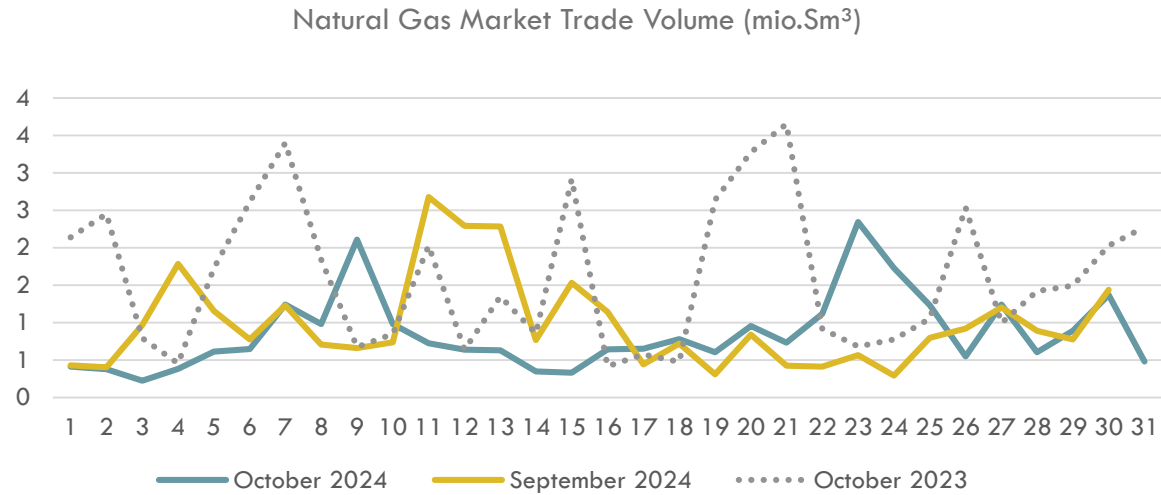
Natural Gas Market Number of Orders



October 2024 Natural Gas Market Number of Orders and Trades

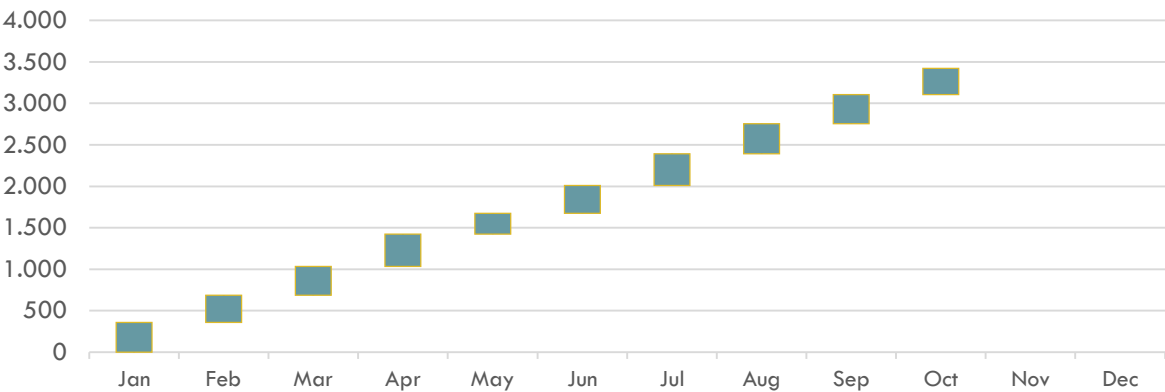


ORDERS, TRADES, VOLUMES (2/3)

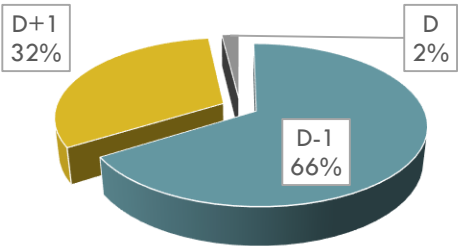


ORDERS, TRADES, VOLUMES (3/3)

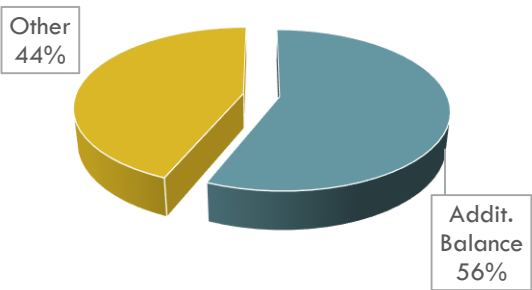
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for October 2024 Period by Sessions



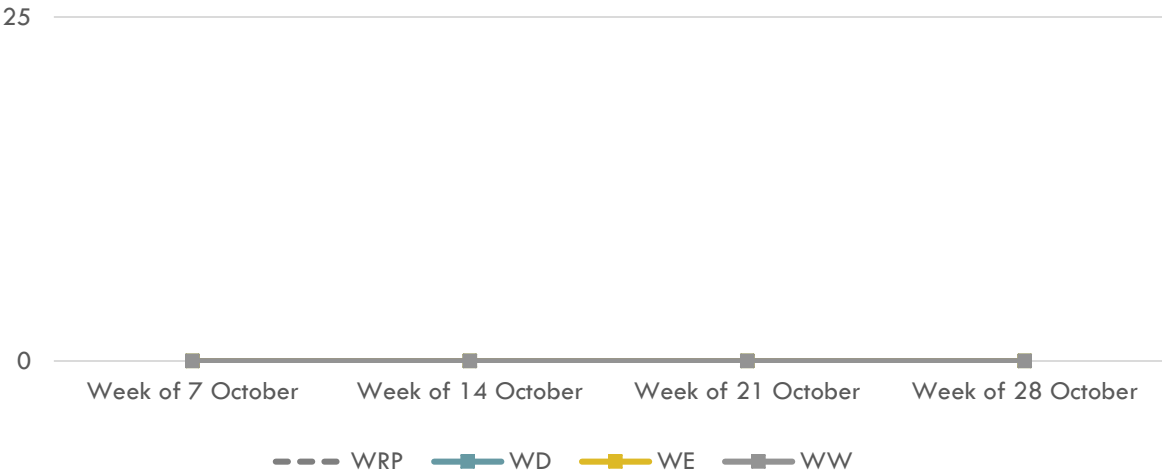
Additional Balancing Traded Volume for October 2024 Period



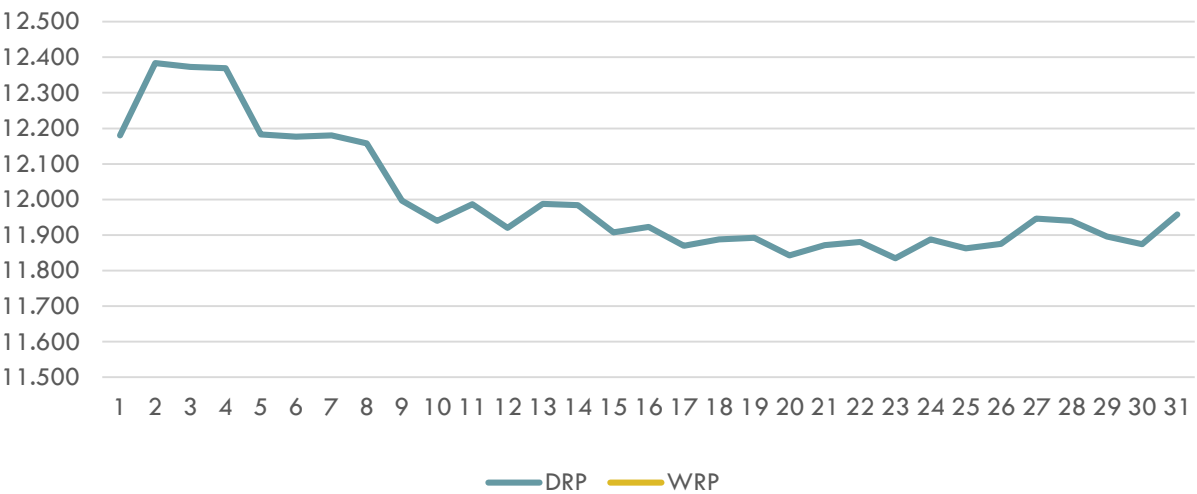
- ✓ The maximum total traded volume was 2.344 sm³ on 23 October 2024 Wed; the minimum total traded volume was realized at the level of 222 sm³ on 03 October 2024 Thu.
- ✓ The maximum total transaction volume was 27.657.358 TL on 23 October 2024 Wed; the minimum total transaction volume was realized at the level of 2.746.806 TL on 03 October 2024 Thu.
- ✓ The maximum d-1 traded volume was 1.810.000 sm³ on 09 October 2024 Wed; the minimum d-1 traded amount was realized at the level of 179.000 sm³ on 02 October 2024 Wed.
- ✓ The maximum d-1 traded volume was 21.714.570 TL on 09 October 2024 Wed; the minimum d-1 traded amount was realized at the level of 2.229.445 TL on 02 October 2024 Wed.
- ✓ The maximum d traded volume was 70.000 sm³ on 24 October 2024 Thu; the minimum d traded amount was realized at the level of 0 sm³ on 03 October 2024 Thu.
- ✓ The maximum d traded volume was 832.300 TL on 24 October 2024 Thu; the minimum d traded amount was realized at the level of 0 TL on 03 October 2024 Thu.
- ✓ The maximum d+1 traded volume was 668.000 sm³ on 08 October 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 sm³ on 03 October 2024 Thu.
- ✓ The maximum d+1 traded volume was 7.920.200 TL on 08 October 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 TL on 03 October 2024 Thu.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,6% in October 2024.
- ✓ Sgm share in virtual trade was realized at 3,5% in October 2024.

WEEKLY PRODUCTS (1/2)

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

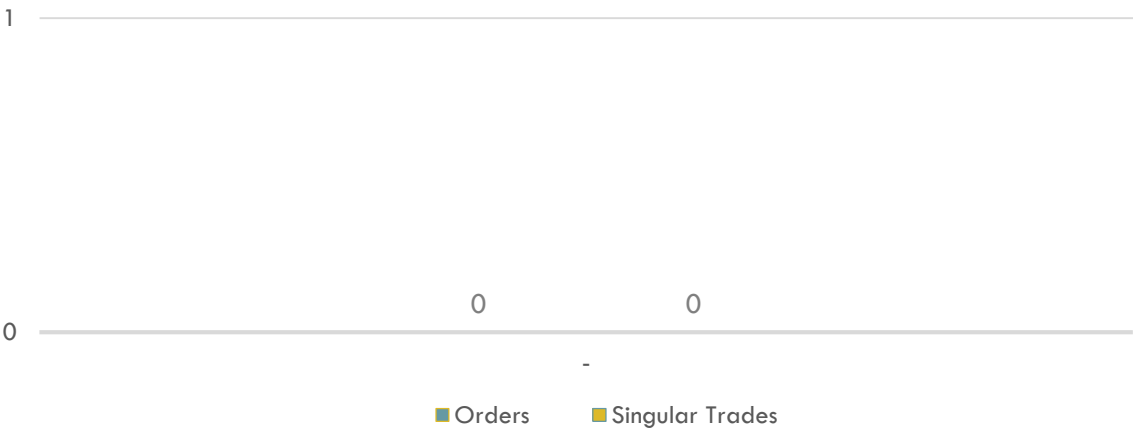


October 2024 DRP - WRP (TL/’000 Sm³)

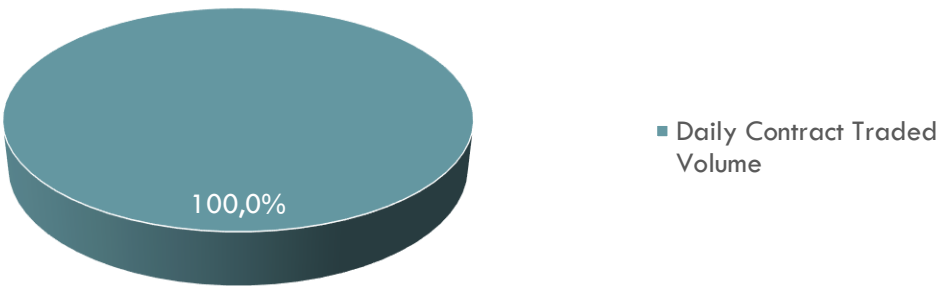


WEEKLY PRODUCTS (2/2)

October 2024 Weekly Products Number of Orders and Trades



October 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Oct 2023	49,92	546.804.880
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

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
Oct 2023	1,4%	4,6%
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%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

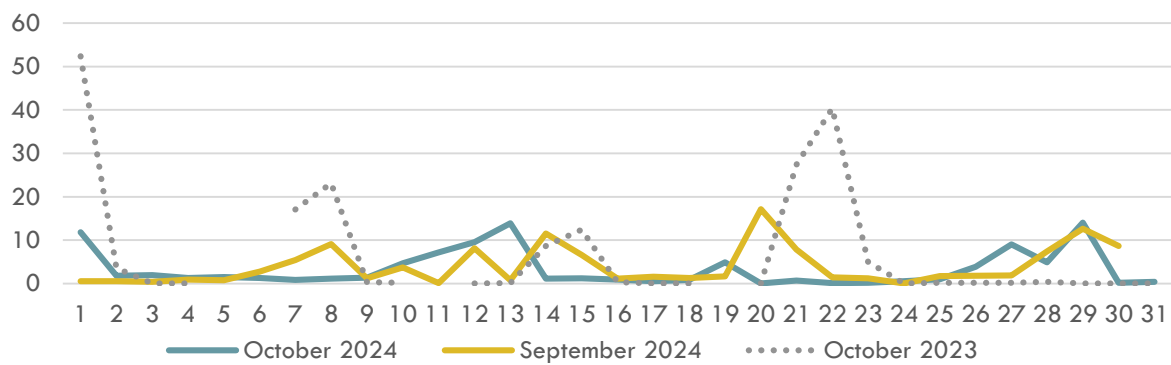
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2411	16.561	16.561	16.561
GM2412	15.531	15.531	15.531
GM2501	16.554	16.554	16.554
GM2502	18.653	18.653	18.653
GM2503	15.375	15.375	15.375
GM2504	17.609	17.609	17.609
GM2505	17.759	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
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

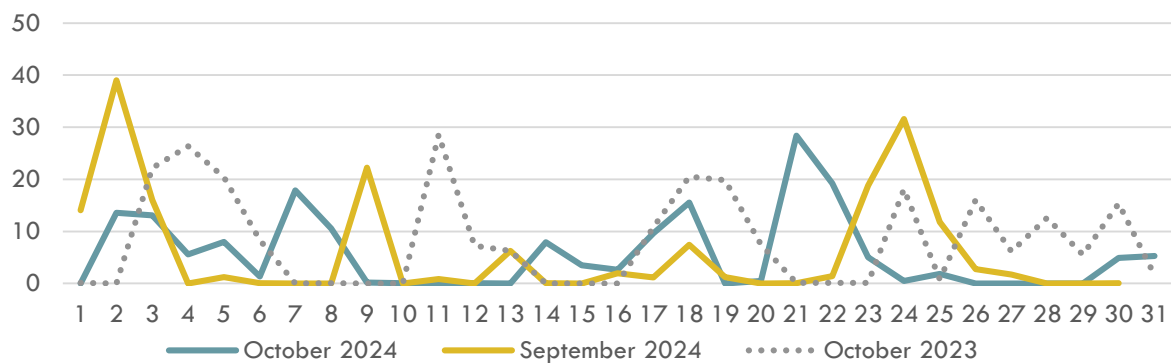
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

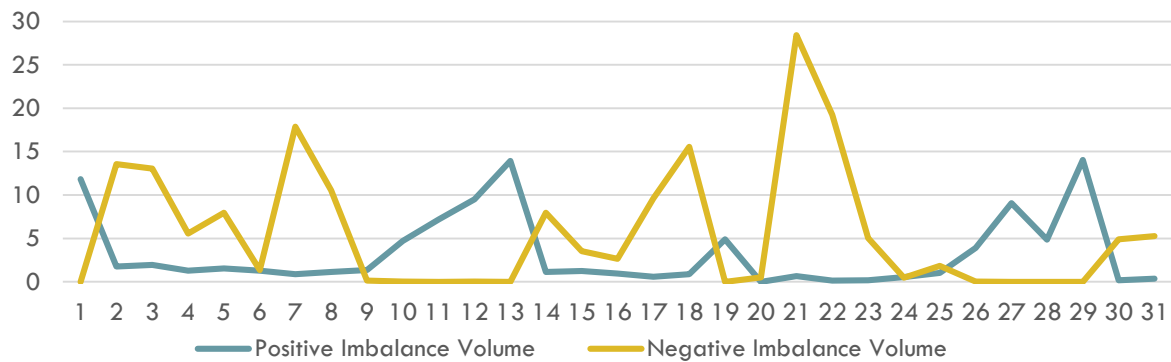
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



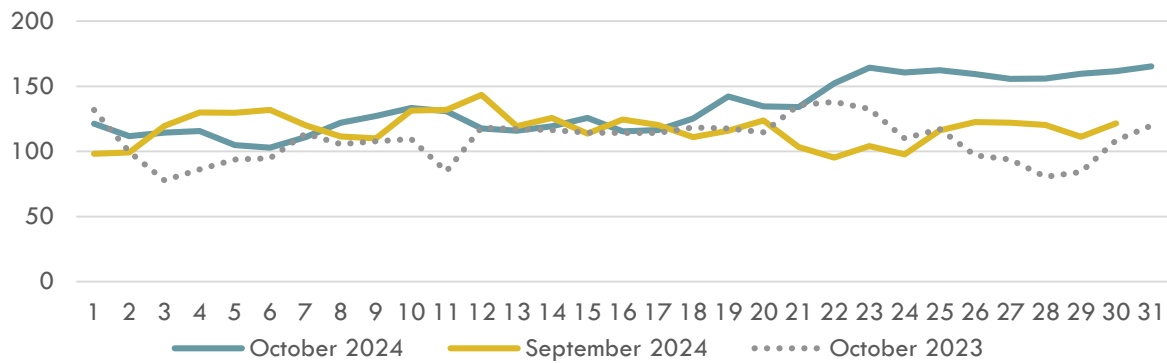
October 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



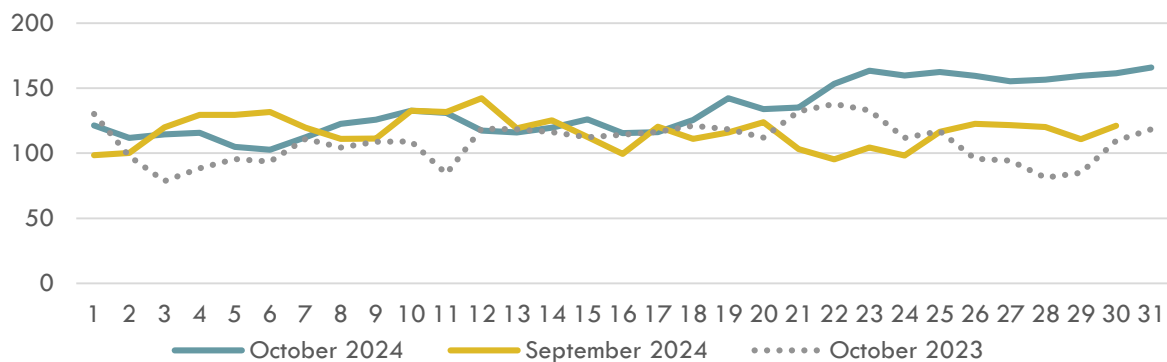
- ✓ The maximum positive imbalance volume was 14.054.854 sm³ on 29 October 2024 Tue; the minimum positive imbalance volume was realized at the level of 445 sm³ on 20 October 2024 Sun.
- ✓ The maximum negative imbalance volume was 28.401.057 sm³ on 21 October 2024 Mon; the minimum negative imbalance volume was realized at the level of 222 sm³ on 27 October 2024 Sun.

TRANSMISSION SYSTEM DATA (2/2)

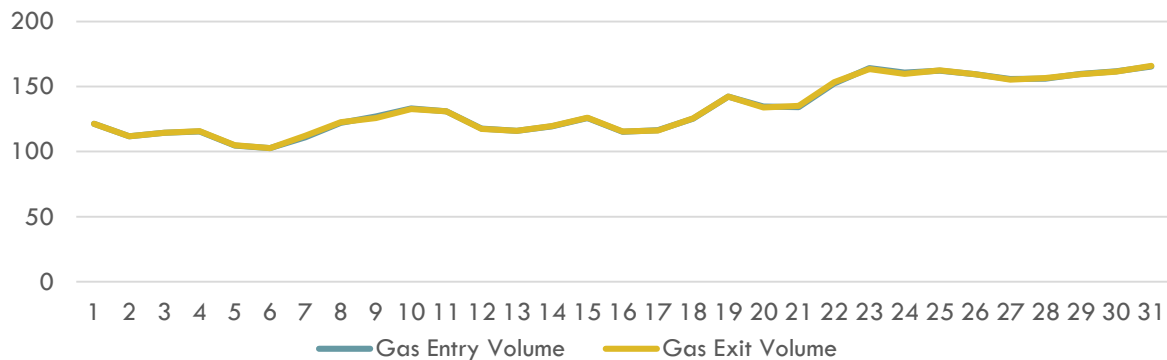
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 31 October 2024 Thu was 165.258.763 sm³; minimum gas entry volume on 06 October 2024 Sun was 102.777.537 sm³ levels.
- ✓ Maximum gas exit volume realized on 31 October 2024 Thu was 165.808.883 sm³; minimum gas exit volume 06 October 2024 Sun was 102.647.964 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 01 October 2024 Tue was 419.744.357 sm³; minimum stok gas volume 22 October 2024 Tue was 417.257.126 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm³)	WAP (TL/ '000 Sm³)	Direction
01.10.2024	136	12.200	Purchase
02.10.2024	129	12.455	Purchase
03.10.2024	127	12.373	Purchase
04.10.2024	183	12.372	Purchase
05.10.2024	327	12.180	Purchase
06.10.2024	344	12.180	Purchase
07.10.2024	483	12.180	Purchase
08.10.2024	215	12.159	Purchase
09.10.2024	1.715	11.997	Purchase
10.10.2024	755	11.945	Purchase
11.10.2024	318	11.989	Purchase
12.10.2024	242	11.920	Purchase
13.10.2024	182	11.989	Purchase
14.10.2024	143	11.984	Purchase
15.10.2024	118	11.918	Purchase
16.10.2024	433	11.925	Purchase
17.10.2024	396	11.878	Purchase
18.10.2024	513	11.898	Purchase
19.10.2024	243	11.893	Purchase
20.10.2024	854	11.843	Purchase
21.10.2024	395	11.868	Purchase
22.10.2024	256	11.881	Purchase
23.10.2024	1.527	11.834	Purchase
24.10.2024	1.216	11.875	Purchase
25.10.2024	675	11.863	Purchase
26.10.2024	207	11.875	Purchase
27.10.2024	834	11.942	Purchase
28.10.2024	317	11.934	Purchase
29.10.2024	535	11.896	Purchase
30.10.2024	840	11.874	Purchase
31.10.2024	274	11.958	Purchase

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 1.715.000 sm³ on 09 October 2024 Wed; additional balancing transactions with a minimum code of 1 were realized at the level of 118.000 sm³ on 15 October 2024 Tue.
- ✓ In October, no additional balancing transaction code of 2 was realized.
- ✓ In October, no additional balancing transaction code of 3 was realized.
- ✓ In October, no additional balancing transaction code of 4 was realized.