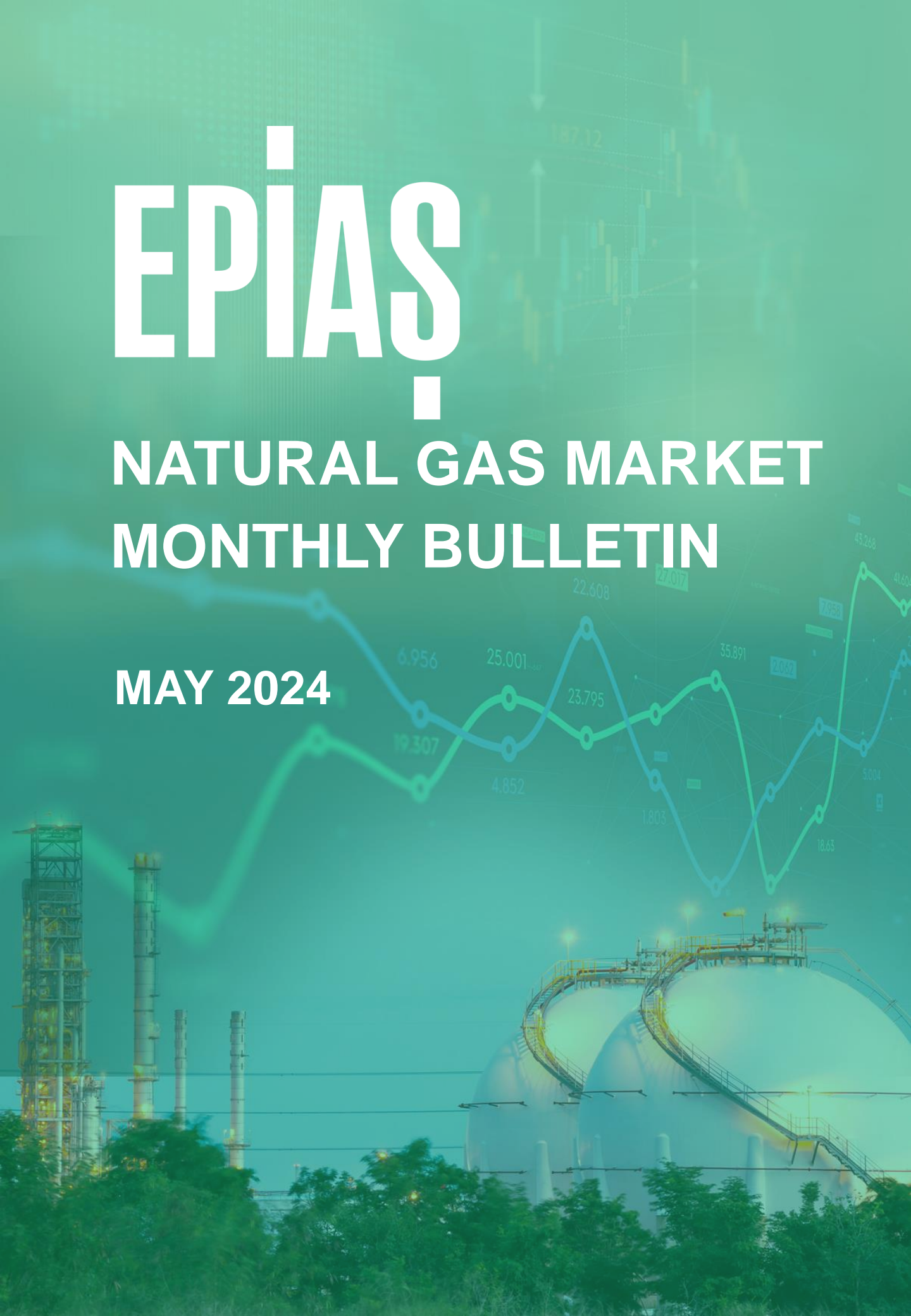


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

MAY 2024



SUMMARY DATA (1/2)

Arithmetic Means

	May 2024	April 2024	Monthly Change	May 2023	Annual Change
Number of Ordered Participants	7	11	-36.3%	10	-26.3%
Number of Trades	5	9	-47.2%	10	-54.8%
Number of Orders	19	32	-41.9%	25	-25.9%
BGSP (TL/'000 Sm ³)	9.966	9.297	7.2%	8.541	16.7%
DRP (TL/'000 Sm ³)	10.490	9.786	7.2%	8.990	16.7%
BGPP (TL/'000 Sm ³)	11.015	10.372	6.2%	9.440	16.7%
Traded Volume (mio.Sm ³)	0,78	1,34	-41.7%	2,79	-72.0%
Transaction Volume (TL)	8.111.801	12.996.559	-37.6%	25.198.676	-67.8%
Gas Entry Volume (mio.Sm ³)	103,91	99,49	4.4%	115,49	-10.0%
Gas Exit Volume (mio.Sm ³)	103,95	99,55	4.4%	115,43	-9.9%
WRP (TL/'000 Sm ³)	0	0	-	0	-

Maximum / Minimum Levels

	May 2024		April 2024		May 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	8	3	24	2	18	4
Number of Ordered Participants	9	6	15	8	11	8
Number of Orders	25	14	69	14	37	14
BGSP (TL/'000 Sm ³)	10.232	9.732	9.748	7.922	8.779	7.668
DRP (TL/'000 Sm ³)	10.770	10.244	10.261	8.339	9.241	8.071
BGPP (TL/'000 Sm ³)	11.309	10.757	10.774	9.420	9.703	8.475
Traded Volume (mio.Sm ³)	1,74	0,24	3,75	0,19	7,45	0,65
Transaction Volume (TL)	18.188.778	2.492.094	36.118.620	1.861.700	67.125.556	5.345.322
Gas Exit Volume (mio.Sm ³)	127,76	77,59	119,13	81,06	149,80	79,29
Gas Entry Volume (mio.Sm ³)	127,87	78,65	119,23	80,81	150,79	77,34
WRP (TL/'000 Sm ³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

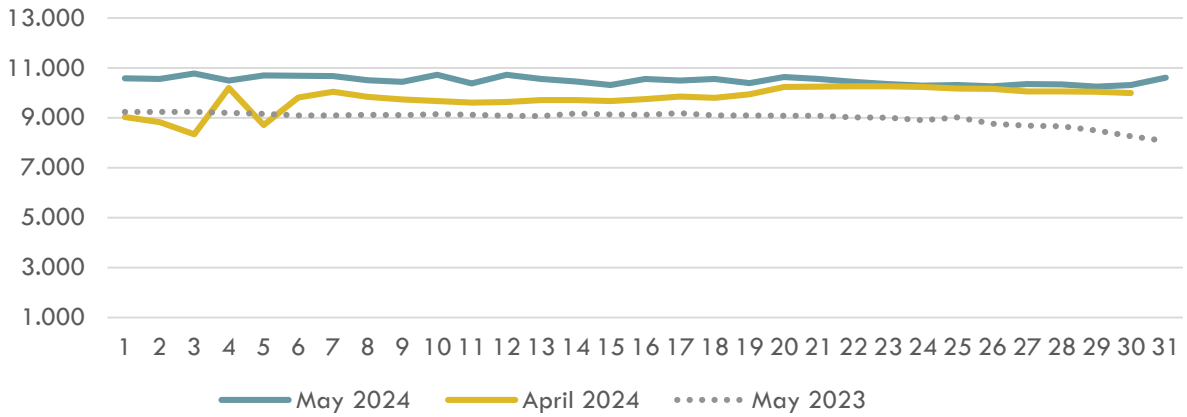
	May 2024	April 2024	Monthly Change	May 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	0	9	-100.0%	17	-100.0%
Total Production of Natural Gas Based Power Plants (MWh)	0	1.932.716	-100.0%	4.231.477	-100.0%
Total Electricity Generation (MWh)	0	22.654.279	-100.0%	24.269.223	-100.0%
Number of Trades	145	266	-45.5%	321	-54.8%
Number of Orders	576	960	-40.0%	777	-25.9%
Traded Volume (mio.Sm ³)	24,20	40,15	-39.7%	86,47	-72.0%
Transaction Volume (TL)	251.465.820	389.896.769	-35.5%	781.158.942	-67.8%
Gas Entry Volume (mio.Sm ³)	3.221,09	2.984,69	7.9%	3.580,32	-10.0%
Gas Exit Volume (mio.Sm ³)	3.222,58	2.986,59	7.9%	3.578,43	-9.9%

Brent Oil and TTF Prices

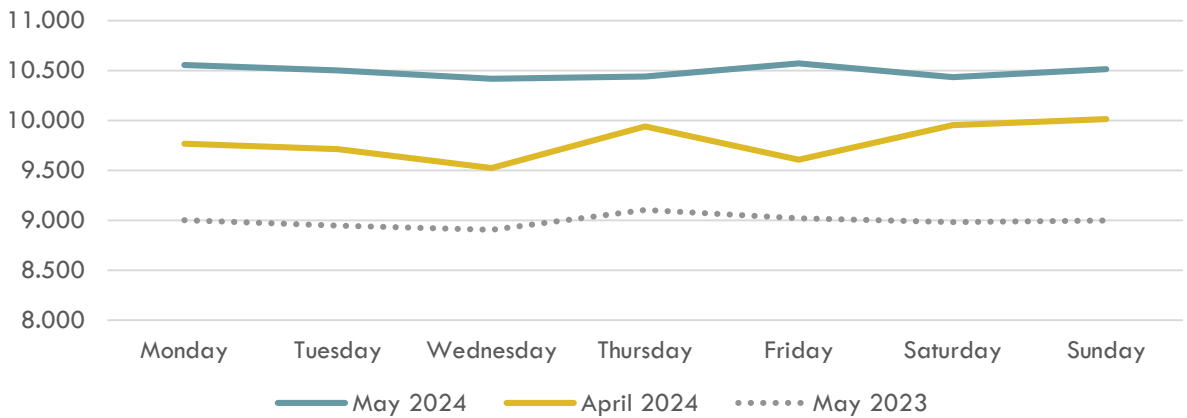
	May 2024	April 2024	Aylık Değişim	May 2023	Yıllık Değişim
Brent Oil (\$/bl)	83,00	89,01	-6.8%	75,69	9.7%
TTF (€/MWh)	31,54	29,03	8.6%	31,32	0.7%

PRICES (1/2)

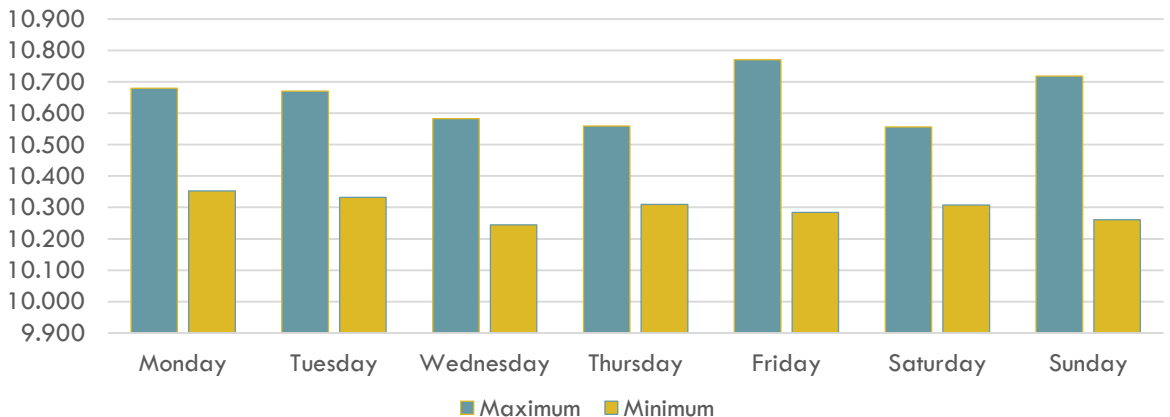
Natural Gas Market DRP (TL/'000 Sm³)



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

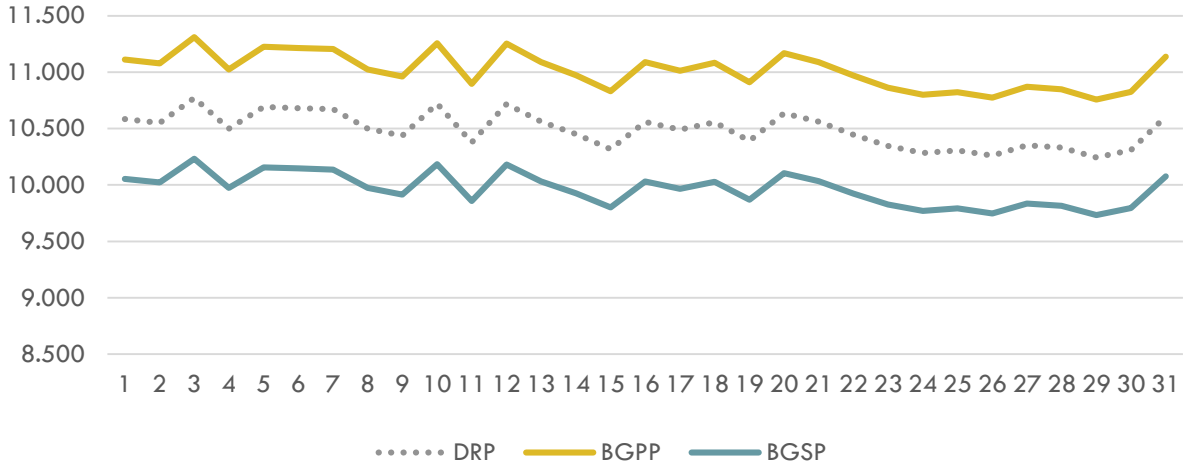


May 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

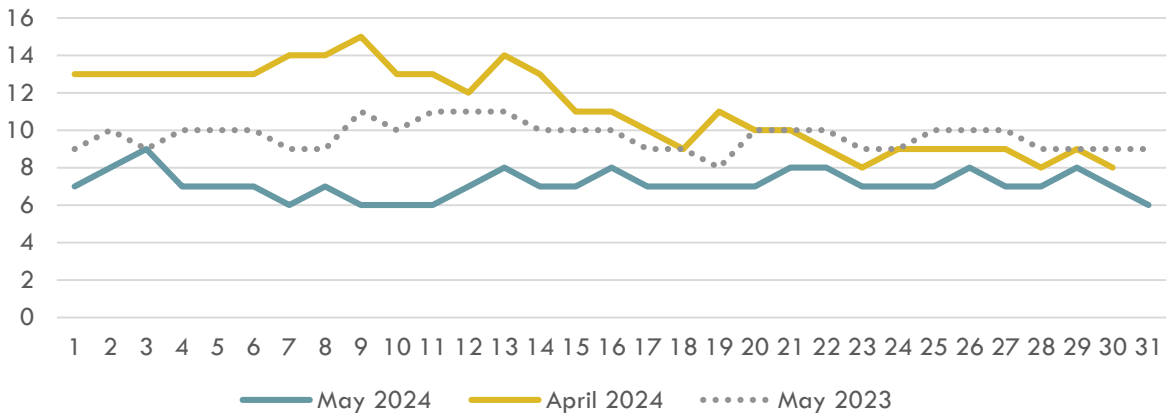
May 2024 DRP - BGPP - BGSP (TL/'000 Sm³)



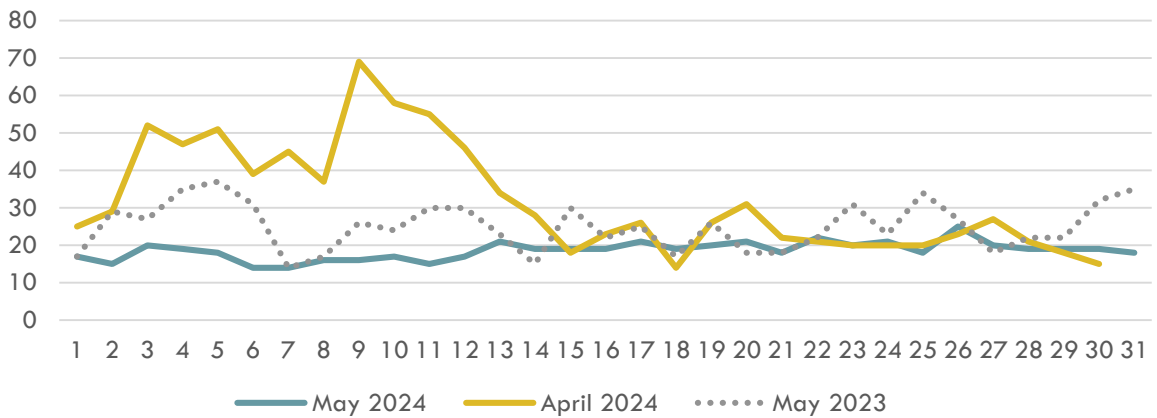
- ✓ The maximum DRP was 10.770 TL on 03 May 2024 Fri; the minimum DRP was realized at the level of 10.244 TL on 29 May 2024 Wed.
- ✓ The Maximum BGPP was 11.309 on 03 May 2024 Fri; the minimum BGPP was realized at the level of 10.757 TL on 29 May 2024 Wed.
- ✓ The maximum BGSP was 10.232 on 03 May 2024 Fri; the minimum BGSP was realized at the level of 9.732 TL on 29 May 2024 Wed.

ORDERS, TRADES, VOLUMES (1/3)

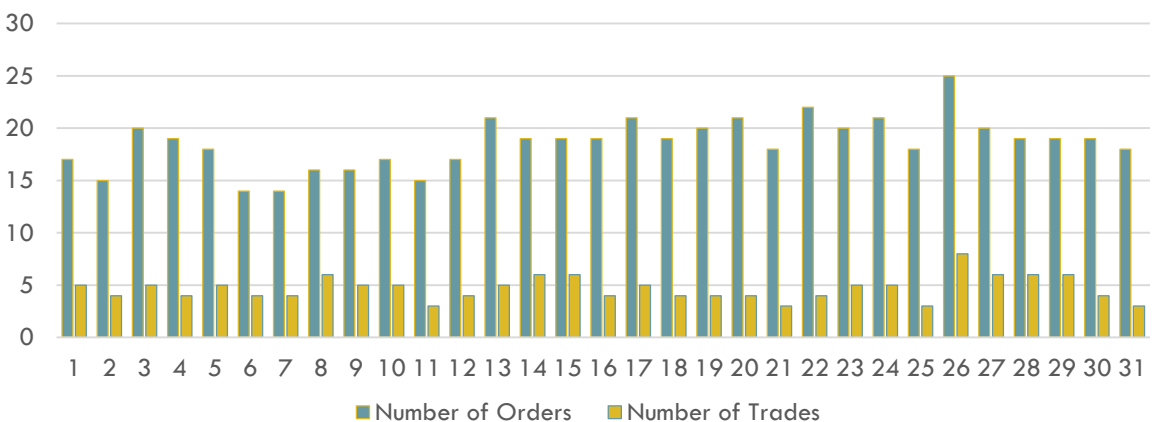
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

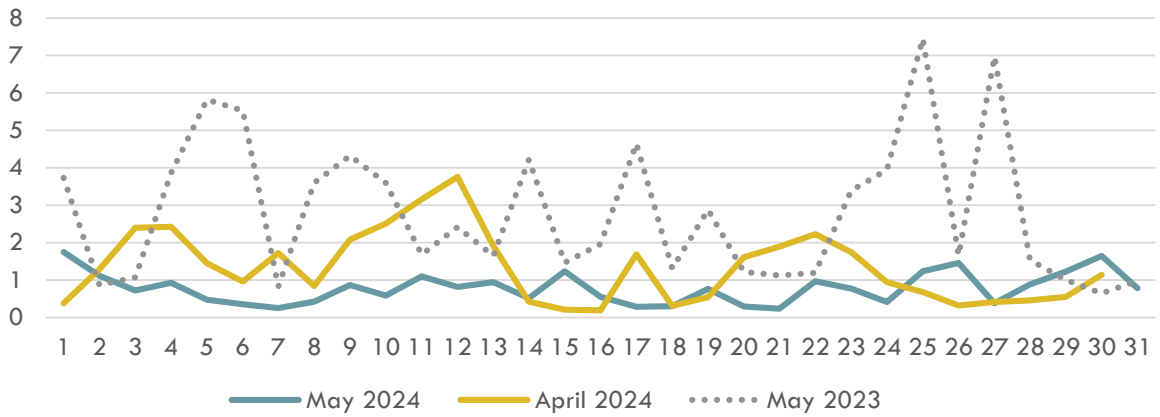


May 2024 Natural Gas Market Number of Orders and Trades

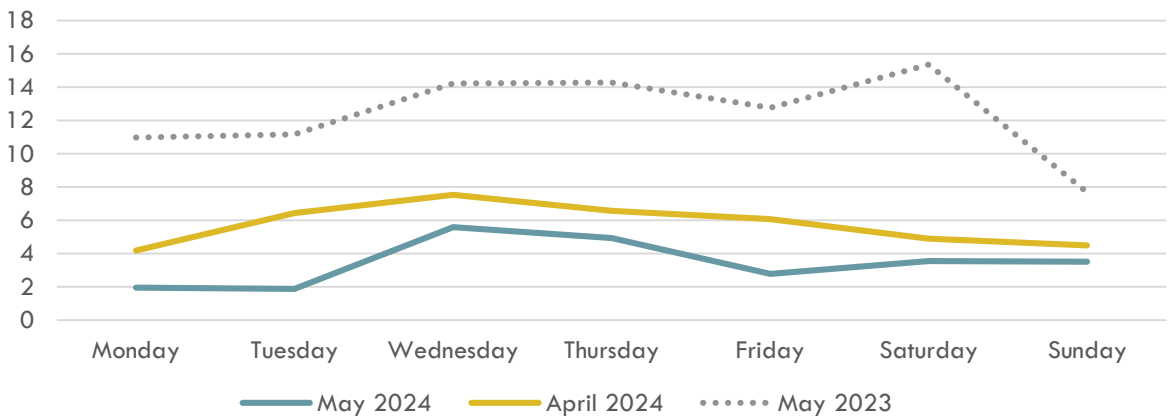


ORDERS, TRADES, VOLUMES (2/3)

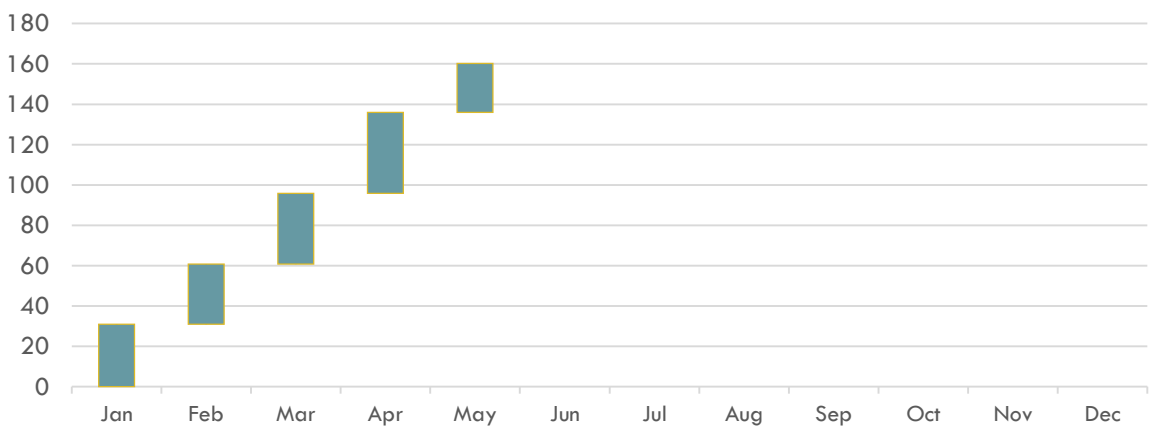
Natural Gas Market Trade Volume (mio.Sm³)



Natural Gas Market By Days Trade Volume (mio.Sm³)

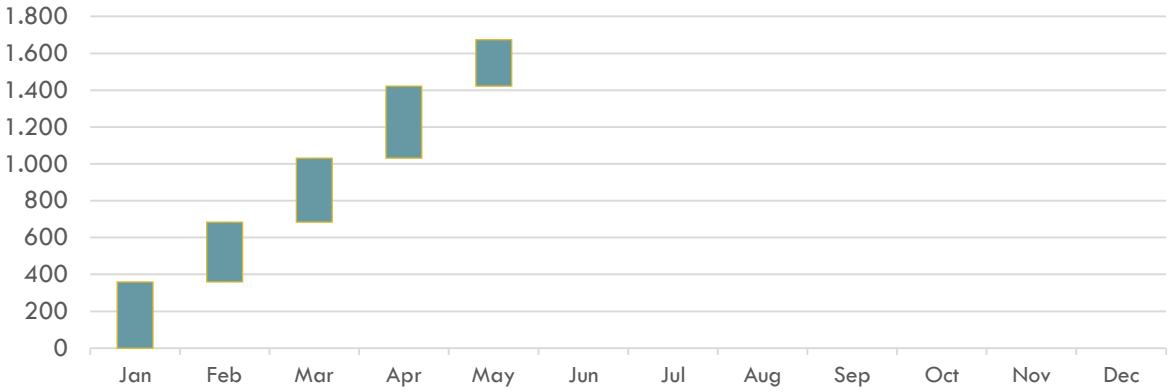


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm³)

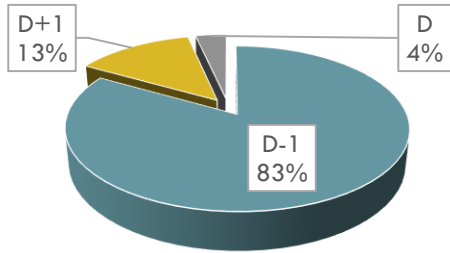


ORDERS, TRADES, VOLUMES (3/3)

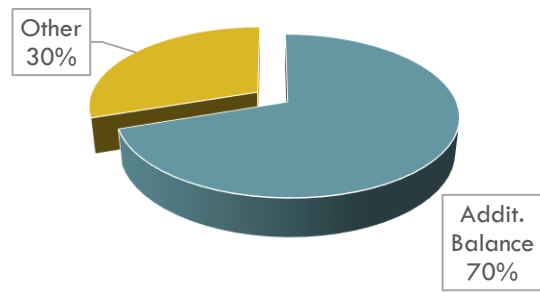
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for May 2024 Period by Sessions



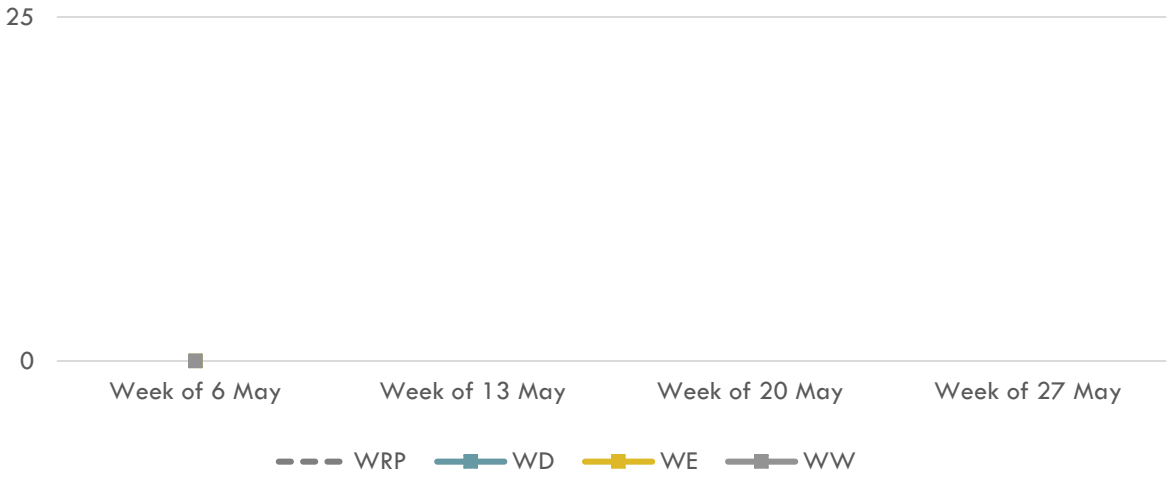
Additional Balancing Traded Volume for May 2024 Period



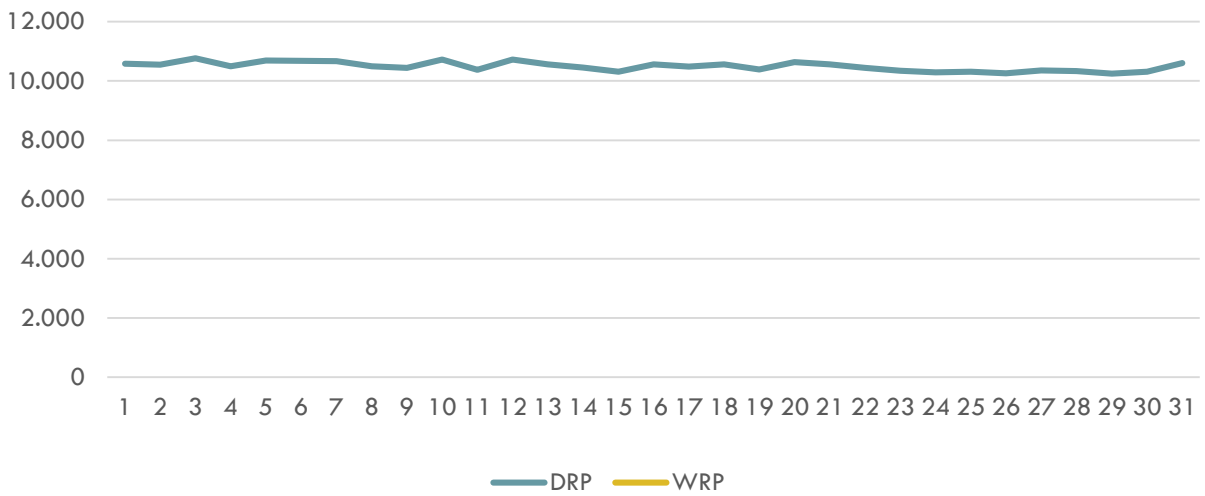
- ✓ The maximum total traded volume was 1.744 sm³ on 01 May 2024 Wed; the minimum total traded volume was realized at the level of 236 sm³ on 21 May 2024 Tue.
- ✓ The maximum total transaction volume was 18.188.778 TL on 01 May 2024 Wed; the minimum total transaction volume was realized at the level of 2.492.094 TL on 21 May 2024 Tue.
- ✓ The maximum d-1 traded volume was 1.600.000 sm³ on 30 May 2024 Thu; the minimum d-1 traded amount was realized at the level of 222.000 sm³ on 14 May 2024 Tue.
- ✓ The maximum d-1 traded volume was 16.495.735 TL on 30 May 2024 Thu; the minimum d-1 traded amount was realized at the level of 2.319.900 TL on 14 May 2024 Tue.
- ✓ The maximum d traded volume was 502.000 sm³ on 22 May 2024 Wed; the minimum d traded amount was realized at the level of 0 sm³ on 01 May 2024 Wed.
- ✓ The maximum d traded volume was 5.220.800 TL on 22 May 2024 Wed; the minimum d traded amount was realized at the level of 0 TL on 01 May 2024 Wed.
- ✓ The maximum d+1 traded volume was 550.000 sm³ on 28 May 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 sm³ on 22 May 2024 Wed.
- ✓ The maximum d+1 traded volume was 5.402.052 TL on 28 May 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 TL on 22 May 2024 Wed.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,7% in May 2024.
- ✓ Sgm share in virtual trade was realized at 13,3% in May 2024.

WEEKLY PRODUCTS (1/2)

May 2024 WRP - WD - WE - WW (TL/'000 Sm³)

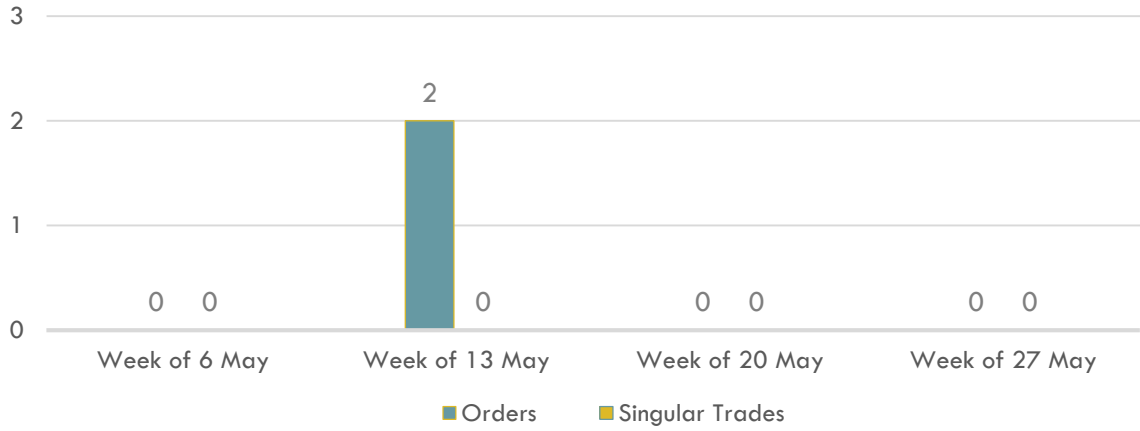


May 2024 DRP - WRP (TL/'000 Sm³)

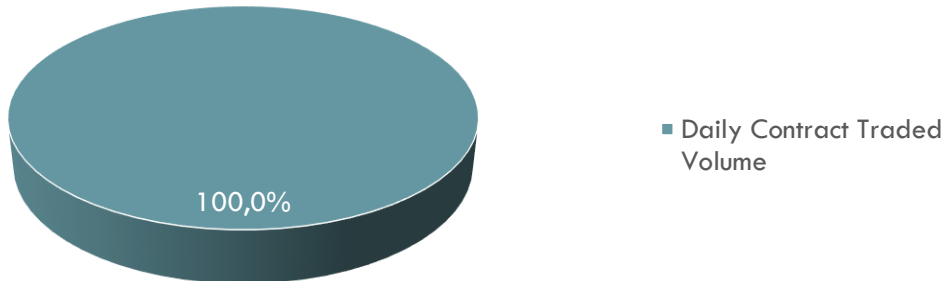


WEEKLY PRODUCTS (2/2)

May 2024 Weekly Products Number of Orders and Trades



May 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
May 2023	86,47	781.158.942
Jun 2023	126,96	1.107.152.226
Jul 2023	108,57	1.026.101.711
Aug 2023	127,13	1.223.183.039
Sep 2023	43,00	417.667.547
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

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
May 2023	2,3%	27,4%
Jun 2023	4,7%	48,3%
Jul 2023	3,5%	33,4%
Aug 2023	2,8%	13,2%
Sep 2023	1,2%	3,7%
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%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

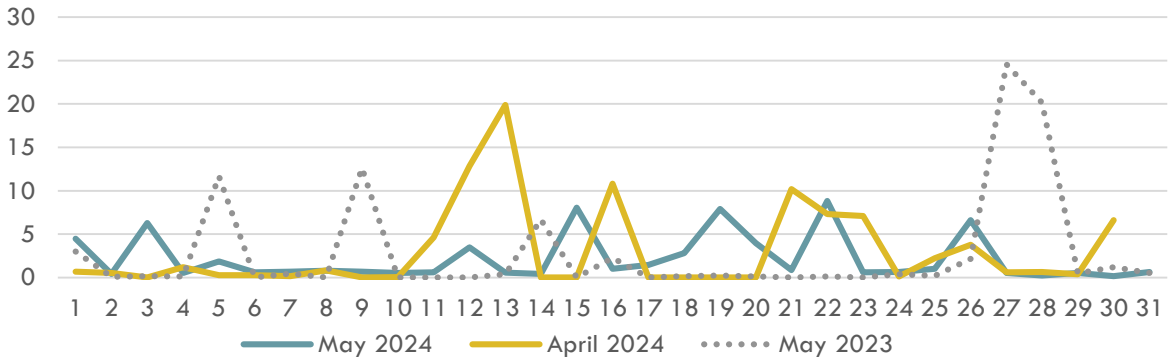
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2406	15.829	15.829	15.829
GM2407	14.022	14.022	14.022
GM2408	14.478	14.478	14.478
GM2409	14.592	14.592	14.592
GM2410	15.740	15.740	15.740
GM2411	16.561	16.561	16.561
GM2412	15.531	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
GQ2403	14.362	14.362	14.362
GQ2404	15.937	15.937	15.937
GQ2501	16.801	16.801	16.801
GQ2502	18.110	18.110	18.110
GY25	18.329	18.329	18.329

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

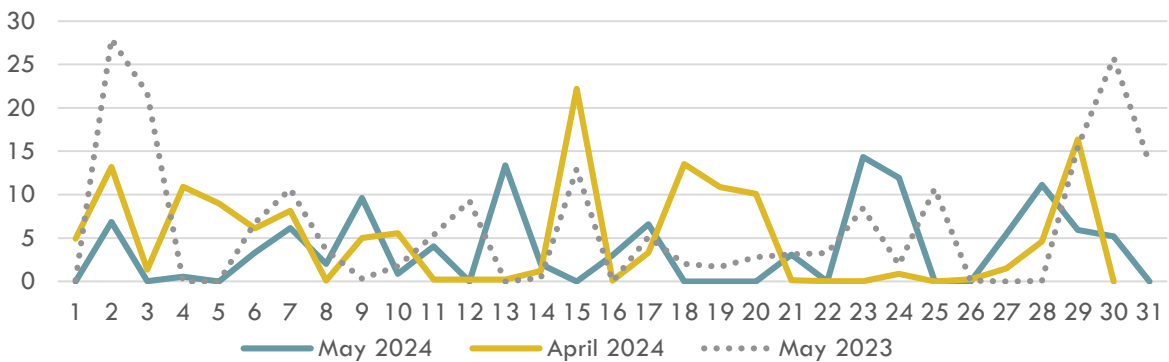
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

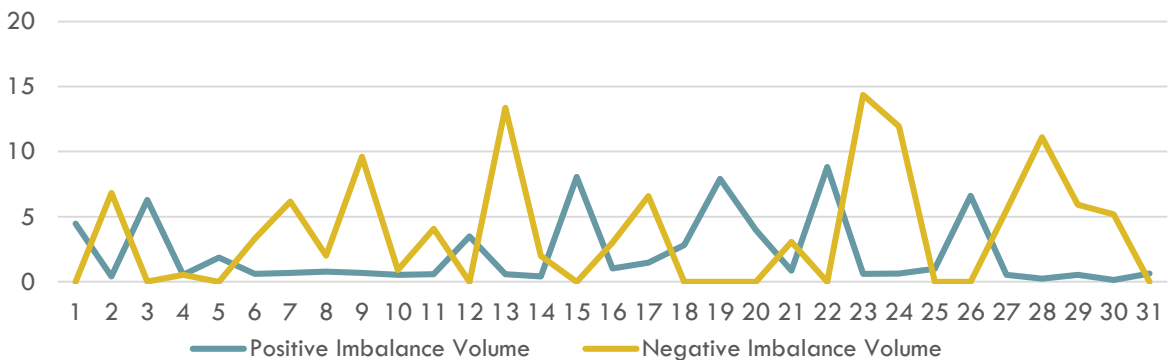
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



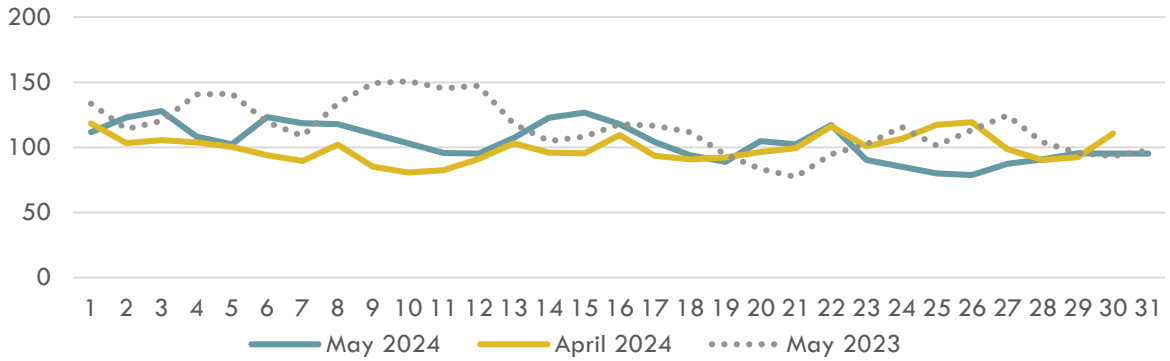
May 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



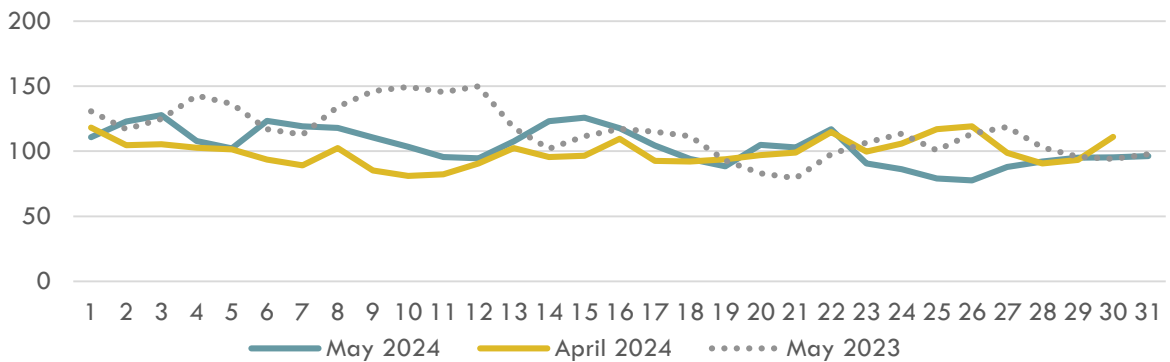
- ✓ The maximum positive imbalance volume was 8.817.832 sm³ on 22 May 2024 Wed; the minimum positive imbalance volume was realized at the level of 152.129 sm³ on 30 May 2024 Thu.
- ✓ The maximum negative imbalance volume was 14.340.023 sm³ on 23 May 2024 Thu; the minimum negative imbalance volume was realized at the level of 68 sm³ on 15 May 2024 Wed.

TRANSMISSION SYSTEM DATA (2/2)

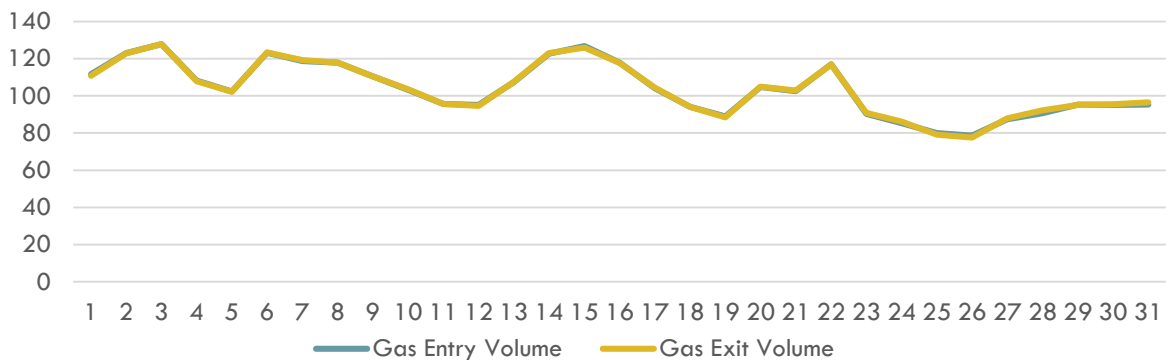
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 03 May 2024 Fri was 127.872.595 sm³; minimum gas entry volume on 26 May 2024 Sun was 78.649.074 sm³ levels.
- ✓ Maximum gas exit volume realized on 03 May 2024 Fri was 127.759.847 sm³; minimum gas exit volume 26 May 2024 Sun was 77.592.182 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 05 May 2024 Sun was 419.715.322 sm³; minimum stok gas volume 31 May 2024 Fri was 416.357.381 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.05.2024	1.234	10.587	Purchase
02.05.2024	922	10.550	Purchase
03.05.2024	389	10.770	Purchase
04.05.2024	625	10.498	Purchase
05.05.2024	277	10.690	Purchase
06.05.2024	159	10.680	Purchase
07.05.2024	126	10.671	Purchase
08.05.2024	318	10.499	Purchase
09.05.2024	741	10.438	Purchase
10.05.2024	308	10.721	Purchase
11.05.2024	872	10.376	Purchase
12.05.2024	645	10.718	Purchase
13.05.2024	715	10.560	Purchase
14.05.2024	127	10.450	Purchase
15.05.2024	981	10.334	Purchase
16.05.2024	452	10.560	Purchase
17.05.2024	182	10.490	Purchase
18.05.2024	212	10.559	Purchase
19.05.2024	561	10.425	Purchase
20.05.2024	189	10.638	Purchase
21.05.2024	137	10.562	Purchase
22.05.2024	373	10.497	Purchase
23.05.2024	586	10.345	Purchase
24.05.2024	217	10.285	Purchase
25.05.2024	950	10.310	Purchase
26.05.2024	1.174	10.260	Purchase
27.05.2024	208	10.353	Purchase
28.05.2024	117	10.350	Purchase
29.05.2024	863	10.245	Purchase
30.05.2024	1.547	10.310	Purchase
31.05.2024	687	10.600	Purchase

Transactions with 2 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
-	-	-	-

Transactions with 3 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
-	-	-	-

Transactions with 4 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
-	-	-	-

- ✓ Additional balancing transactions with a maximum code of 1 were 1.547.000 sm³ on 30 May 2024 Thu; additional balancing transactions with a minimum code of 1 were realized at the level of 117.000 sm³ on 28 May 2024 Tue.
- ✓ In May, no additional balancing transaction code of 2 was realized.
- ✓ In May, no additional balancing transaction code of 3 was realized.
- ✓ In May, no additional balancing transaction code of 4 was realized.