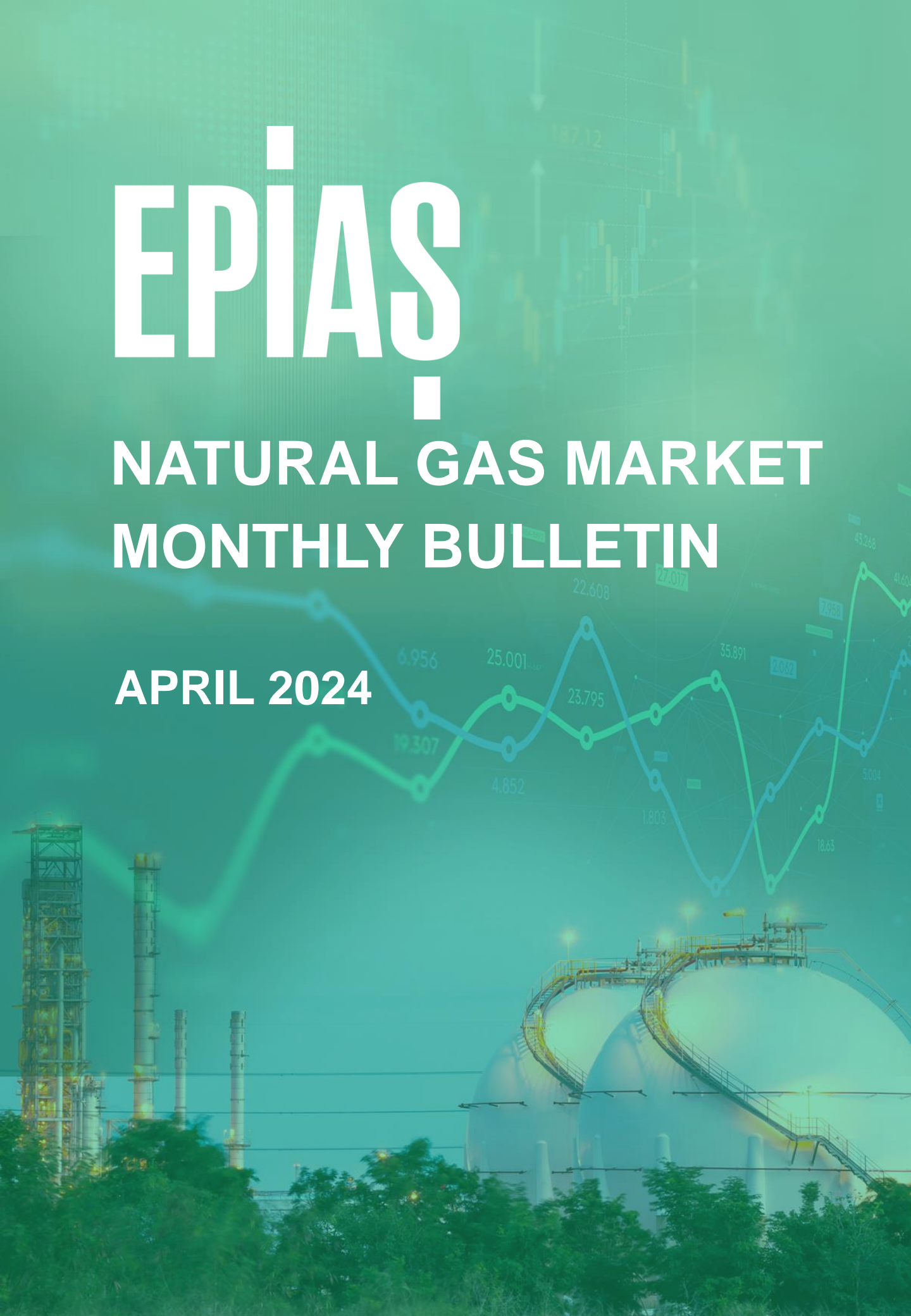


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

APRIL 2024



SUMMARY DATA (1/2)

Arithmetic Means

	April 2024	March 2024	Monthly Change	April 2023	Annual Change
Number of Ordered Participants	11	13	-16.7%	10	13.9%
Number of Trades	9	13	-32.1%	10	-8.6%
Number of Orders	32	31	1.6%	27	20.6%
BGSP (TL/'000 Sm ³)	9.297	9.482	-2.0%	8.641	7.6%
DRP (TL/'000 Sm ³)	9.786	9.981	-2.0%	9.096	7.6%
BGPP (TL/'000 Sm ³)	10.372	10.493	-1.2%	9.550	8.6%
Traded Volume (mio.Sm ³)	1,34	1,13	18.5%	3,07	-56.4%
Transaction Volume (TL)	12.996.559	11.212.106	15.9%	27.907.253	-53.4%
Gas Entry Volume (mio.Sm ³)	99,49	184,52	-46.1%	138,49	-28.2%
Gas Exit Volume (mio.Sm ³)	99,55	184,50	-46.0%	138,23	-28.0%
WRP (TL/'000 Sm ³)	0	0	-	0	-

Maximum / Minimum Levels

	April 2024		March 2024		April 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	24	2	19	7	17	4
Number of Ordered Participants	15	8	15	12	11	8
Number of Orders	69	14	54	17	40	18
BGSP (TL/'000 Sm ³)	9.748	7.922	9.922	7.812	8.925	8.332
DRP (TL/'000 Sm ³)	10.261	8.339	10.445	8.223	9.395	8.771
BGPP (TL/'000 Sm ³)	10.774	9.420	10.967	8.845	9.864	9.210
Traded Volume (mio.Sm ³)	3,75	0,19	2,63	0,27	7,30	0,33
Transaction Volume (TL)	36.118.620	1.861.700	26.291.788	2.630.325	68.131.145	2.942.230
Gas Exit Volume (mio.Sm ³)	119,13	81,06	219,26	112,73	186,52	93,23
Gas Entry Volume (mio.Sm ³)	119,23	80,81	219,18	112,71	183,58	101,95
WRP (TL/'000 Sm ³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

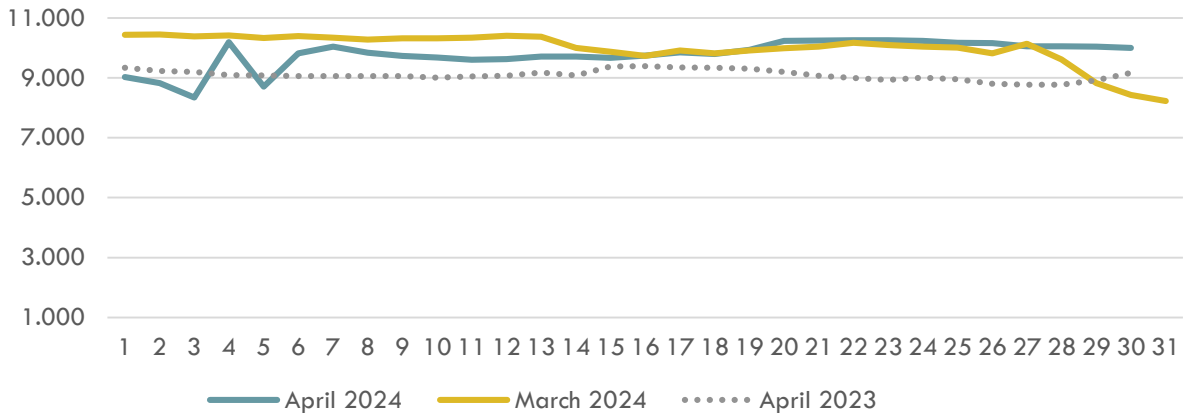
	April 2024	March 2024	Monthly Change	April 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	9	17	-49.7%	15	-41.3%
Total Production of Natural Gas Based Power Plants (MWh)	1.932.716	4.364.810	-55.7%	3.216.659	-39.9%
Total Electricity Generation (MWh)	22.654.279	25.719.292	-11.9%	22.126.267	2.4%
Number of Trades	266	405	-34.3%	291	-8.6%
Number of Orders	960	976	-1.6%	796	20.6%
Traded Volume (mio.Sm ³)	40,15	35,01	14.7%	92,20	-56.4%
Transaction Volume (TL)	389.896.769	347.575.284	12.2%	837.217.599	-53.4%
Gas Entry Volume (mio.Sm ³)	2.984,69	5.720,12	-47.8%	4.154,74	-28.2%
Gas Exit Volume (mio.Sm ³)	2.986,59	5.719,62	-47.8%	4.146,75	-28.0%

Brent Oil and TTF Prices

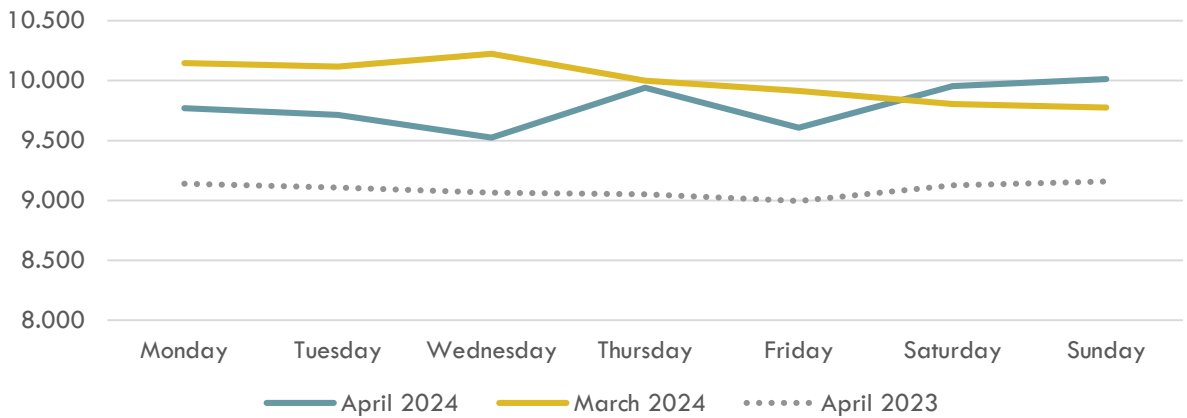
	April 2024	March 2024	Aylık Değişim	April 2023	Yıllık Değişim
Brent Oil (\$/bl)	89,01	84,80	5.0%	83,37	6.8%
TTF (€/MWh)	29,03	26,67	8.8%	42,39	-31.5%

PRICES (1/2)

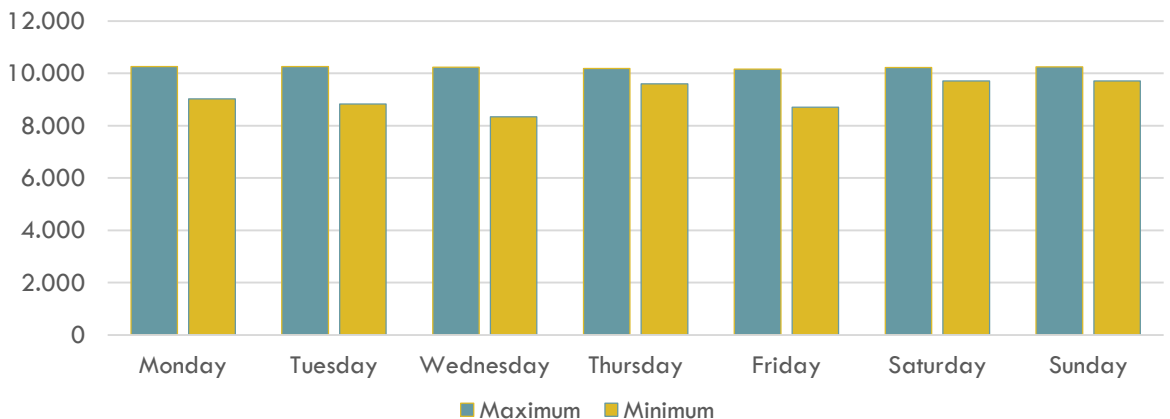
Natural Gas Market DRP (TL/‘000 Sm³)



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

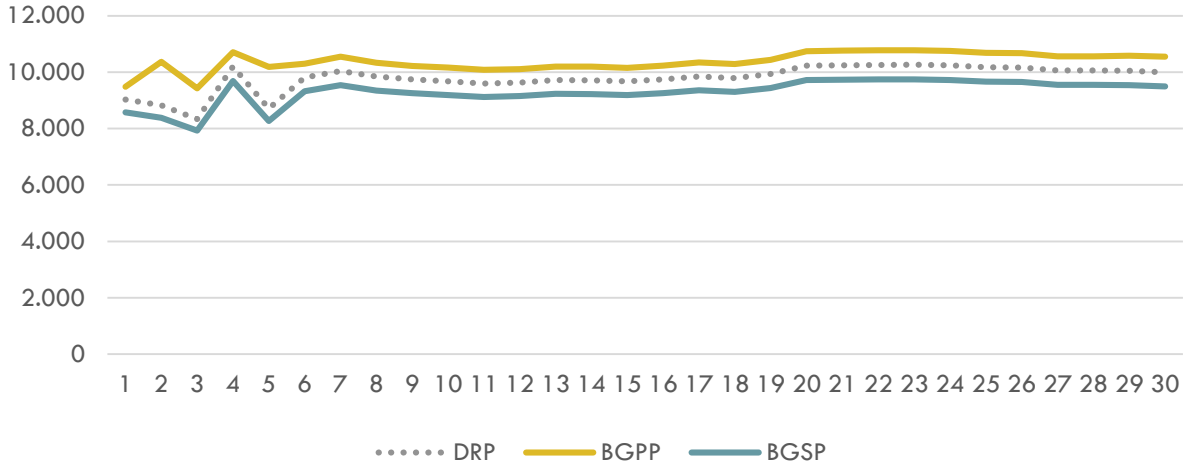


April 2024 Natural Gas Market By Days Max / Min DRP (TL/‘000 Sm³)



PRICES (2/2)

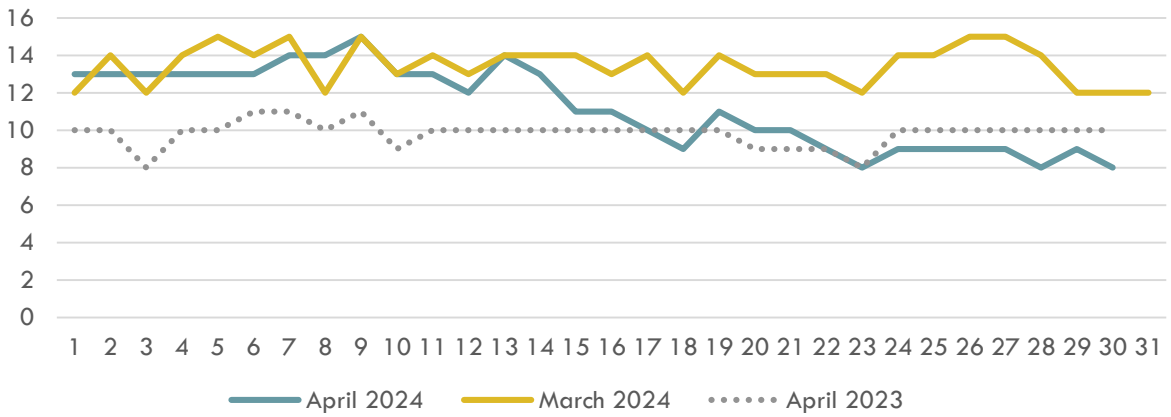
April 2024 DRP - BGPP - BGSP (TL/'000 Sm³)



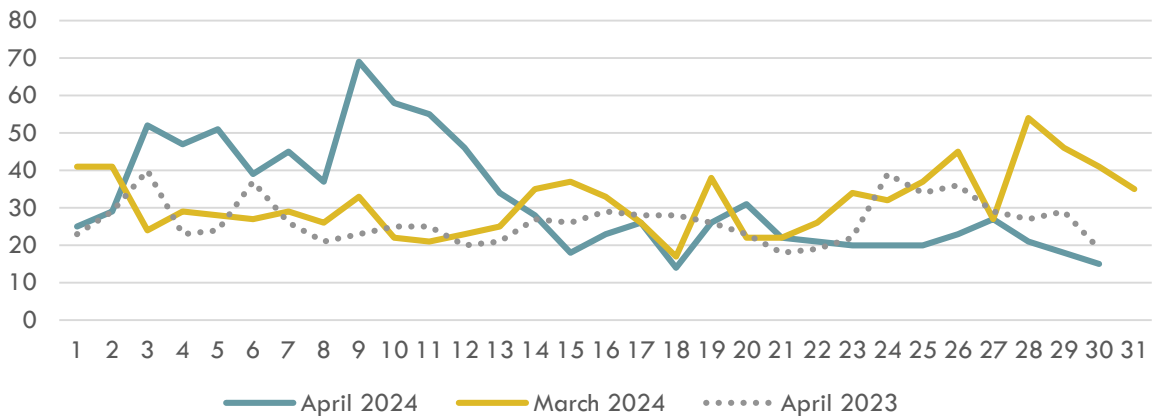
- ✓ The maximum DRP was 10.261 TL on 23 April 2024 Tue; the minimum DRP was realized at the level of 8.339 TL on 03 April 2024 Wed.
- ✓ The Maximum BGPP was 10.774 on 23 April 2024 Tue; the minimum BGPP was realized at the level of 9.420 TL on 03 April 2024 Wed.
- ✓ The maximum BGSP was 9.748 on 23 April 2024 Tue; the minimum BGSP was realized at the level of 7.922 TL on 03 April 2024 Wed.

ORDERS, TRADES, VOLUMES (1/3)

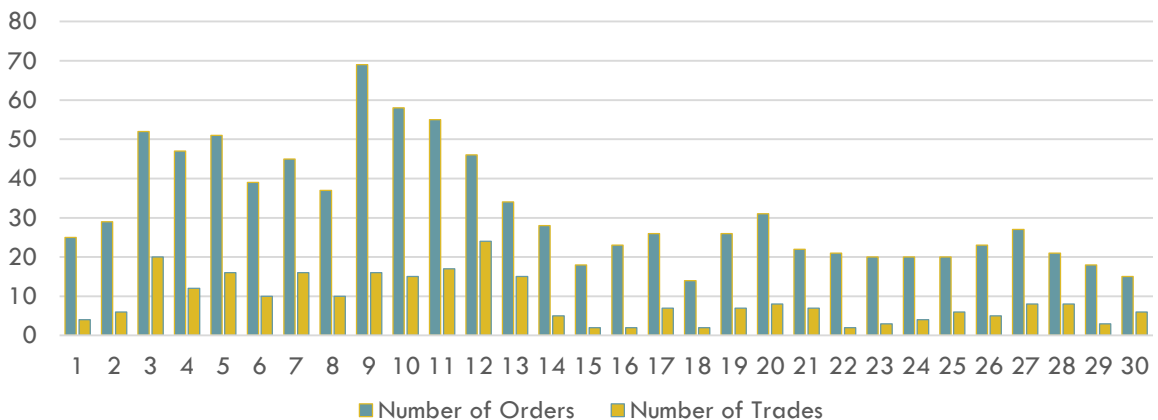
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

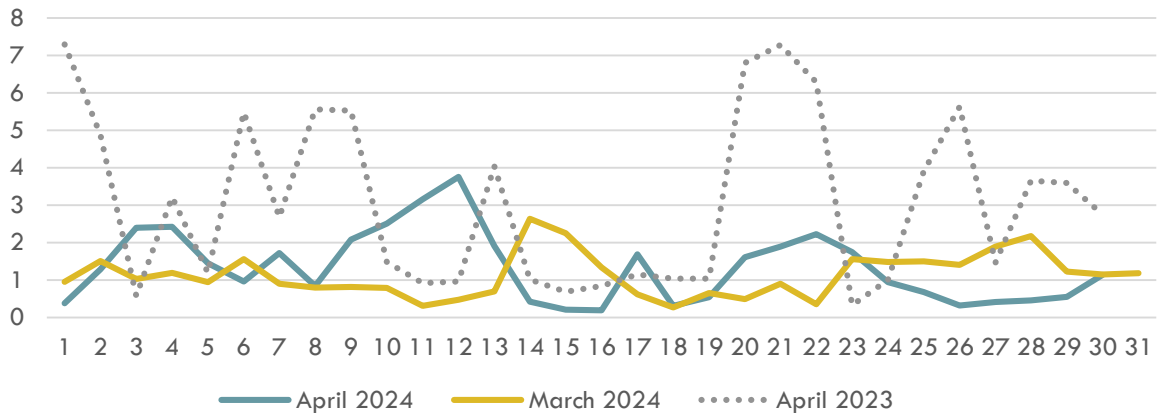


April 2024 Natural Gas Market Number of Orders and Trades

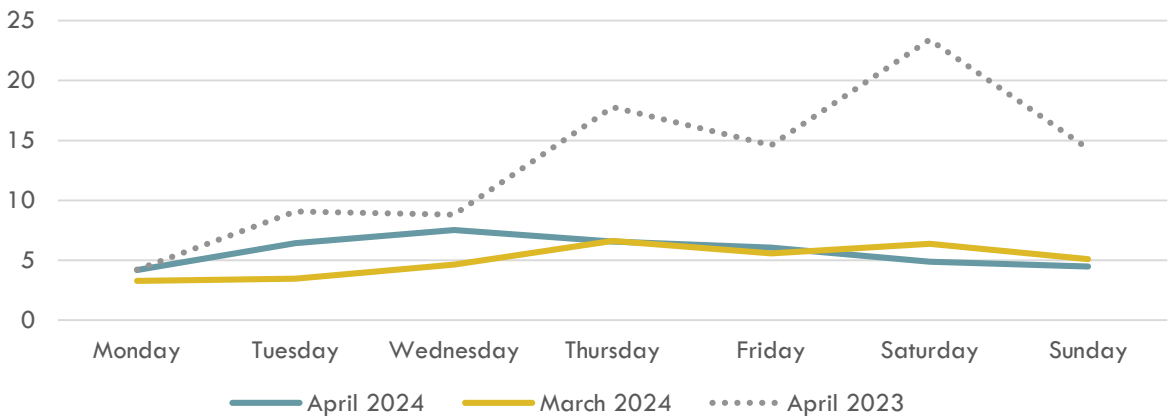


ORDERS, TRADES, VOLUMES (2/3)

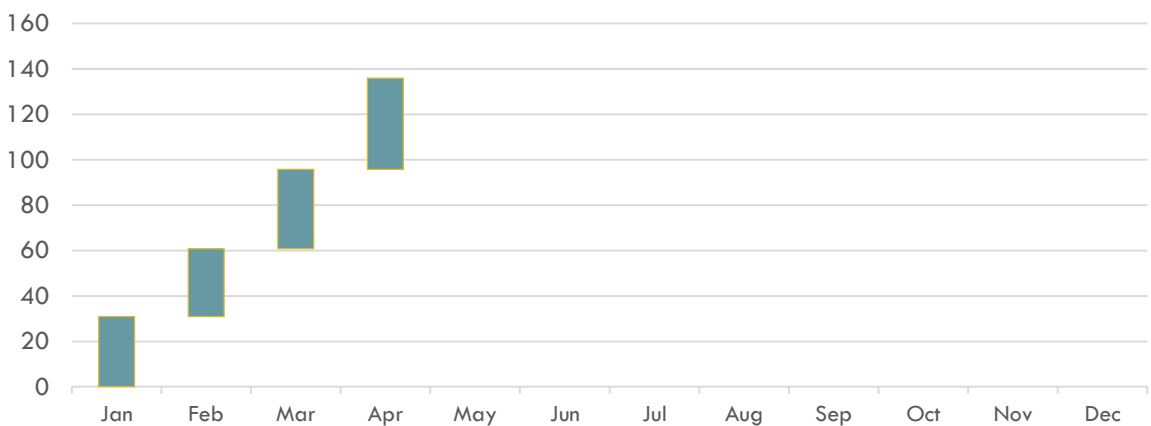
Natural Gas Market Trade Volume (mio.Sm³)



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

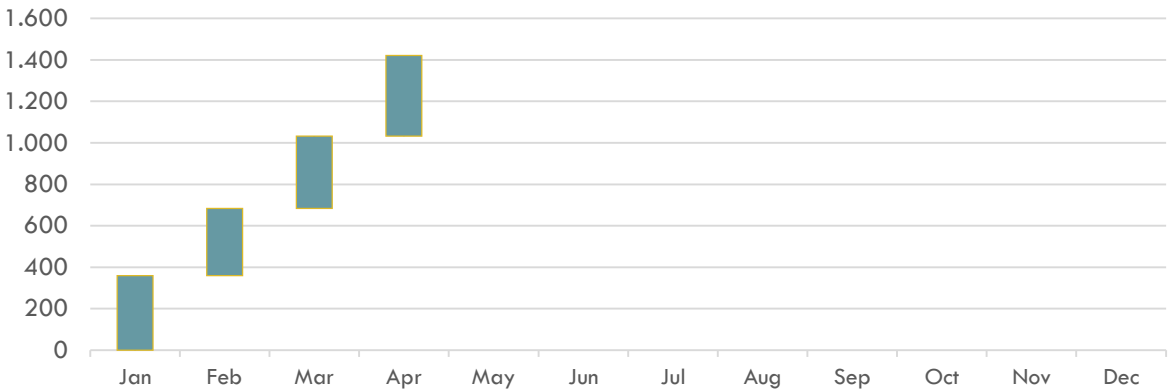


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm³)

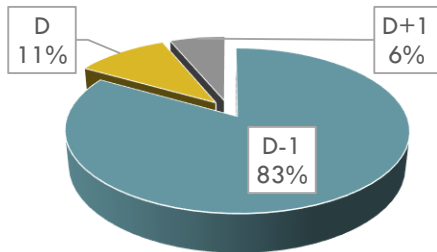


ORDERS, TRADES, VOLUMES (3/3)

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



Traded Volume of Daily Contracts for April 2024 Period by Sessions



Additional Balancing Traded Volume for April 2024 Period



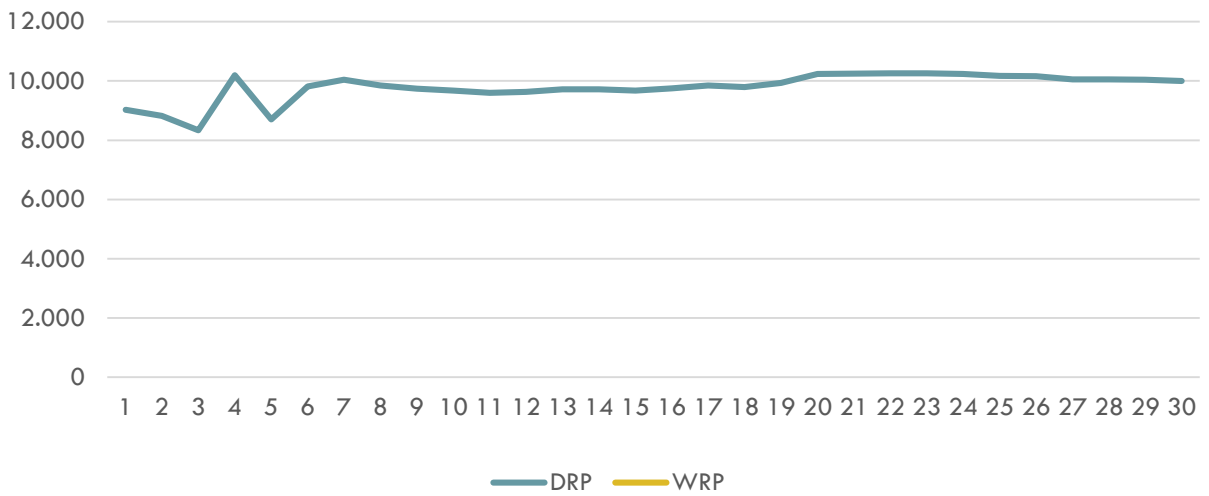
- ✓ The maximum total traded volume was 3.751 sm³ on 12 April 2024 Fri; the minimum total traded volume was realized at the level of 191 sm³ on 16 April 2024 Tue.
- ✓ The maximum total transaction volume was 36.118.620 TL on 12 April 2024 Fri; the minimum total transaction volume was realized at the level of 1.861.700 TL on 16 April 2024 Tue.
- ✓ The maximum d-1 traded volume was 3.721.000 sm³ on 12 April 2024 Fri; the minimum d-1 traded amount was realized at the level of 101.000 sm³ on 16 April 2024 Tue.
- ✓ The maximum d-1 traded volume was 35.836.620 TL on 12 April 2024 Fri; the minimum d-1 traded amount was realized at the level of 979.700 TL on 16 April 2024 Tue.
- ✓ The maximum d traded volume was 901.000 sm³ on 03 April 2024 Wed; the minimum d traded amount was realized at the level of 0 sm³ on 01 April 2024 Mon.
- ✓ The maximum d traded volume was 7.480.850 TL on 03 April 2024 Wed; the minimum d traded amount was realized at the level of 0 TL on 01 April 2024 Mon.
- ✓ The maximum d+1 traded volume was 421.000 sm³ on 30 April 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 sm³ on 11 April 2024 Thu.
- ✓ The maximum d+1 traded volume was 3.999.500 TL on 30 April 2024 Tue; the minimum d+1 traded amount was realized at the level of 0 TL on 11 April 2024 Thu.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 1,3% in April 2024.
- ✓ Sgm share in virtual trade was realized at 22,1% in April 2024.

WEEKLY PRODUCTS (1/2)

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

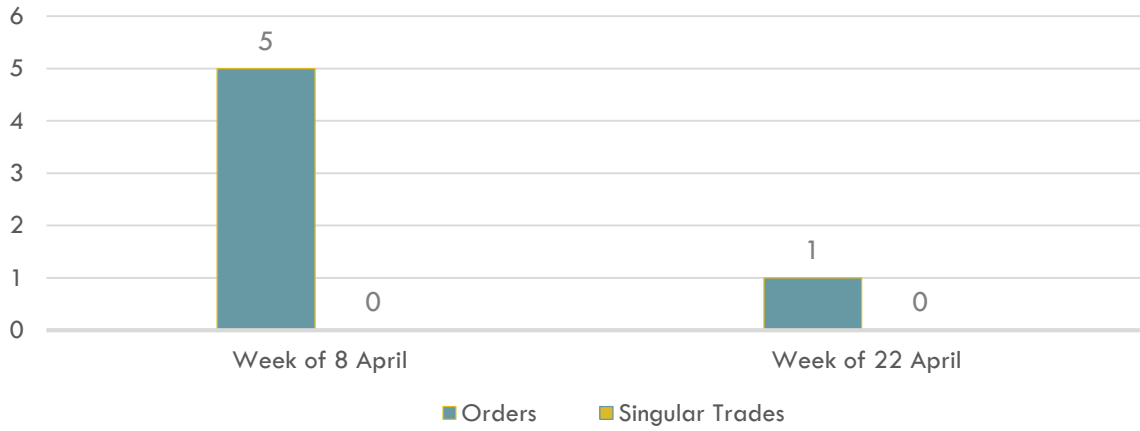


April 2024 DRP - WRP (TL/'000 Sm³)

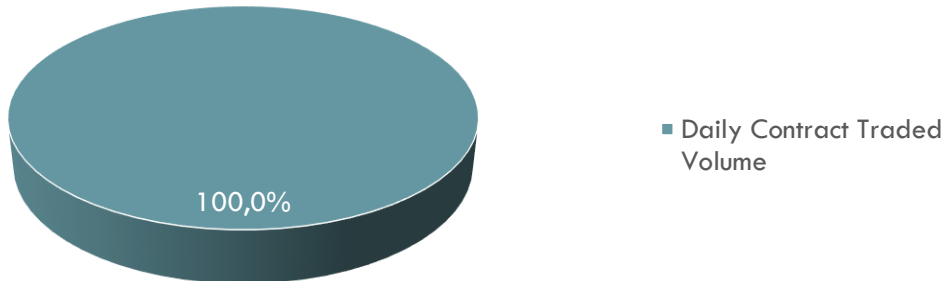


WEEKLY PRODUCTS (2/2)

April 2024 Weekly Products Number of Orders and Trades



April 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Apr 2023	92,20	837.217.599
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

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
Apr 2023	2,2%	27,1%
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%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

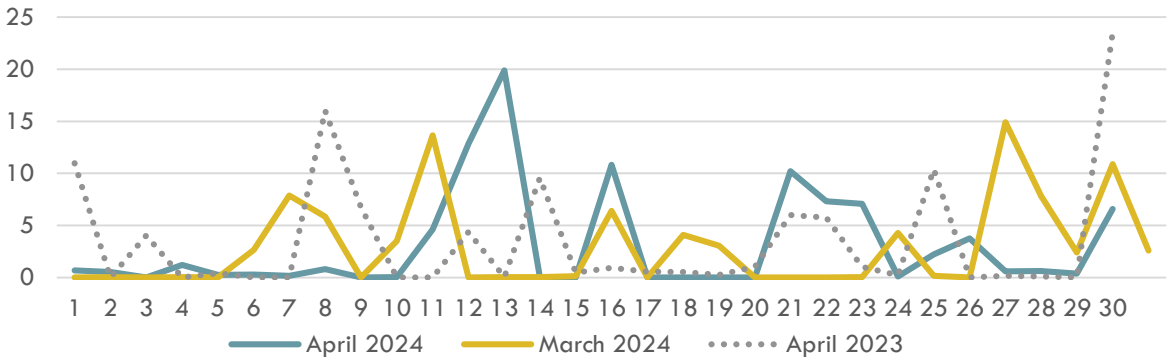
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2405	12.804	12.804	12.804
GM2406	15.829	15.829	15.829
GM2407	14.022	14.022	14.022
GM2408	14.478	14.478	14.478
GM2409	14.592	14.592	14.592
GM2410	15.740	15.740	15.740
GM2411	16.561	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

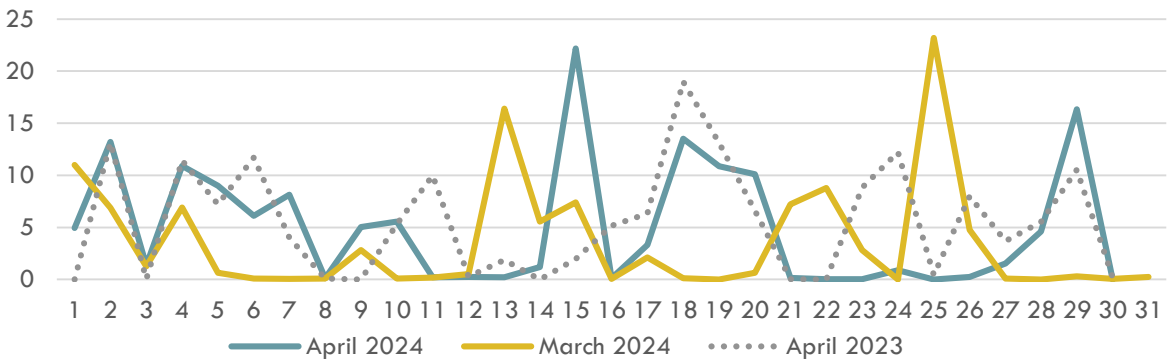
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

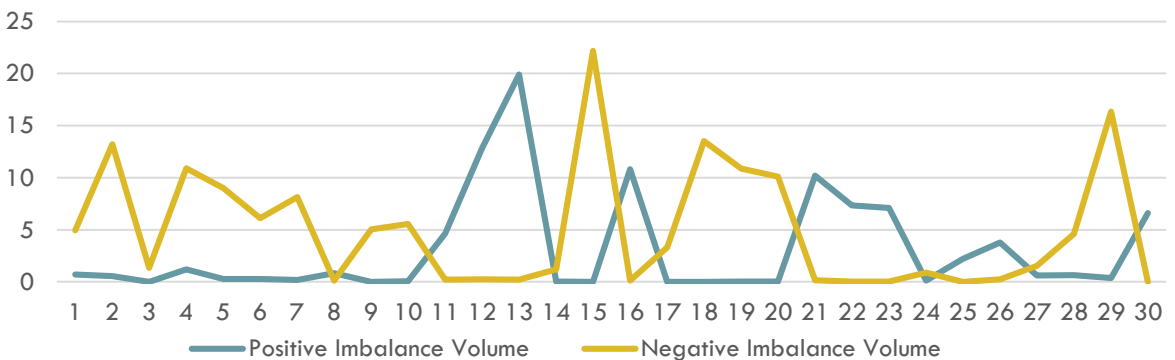
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



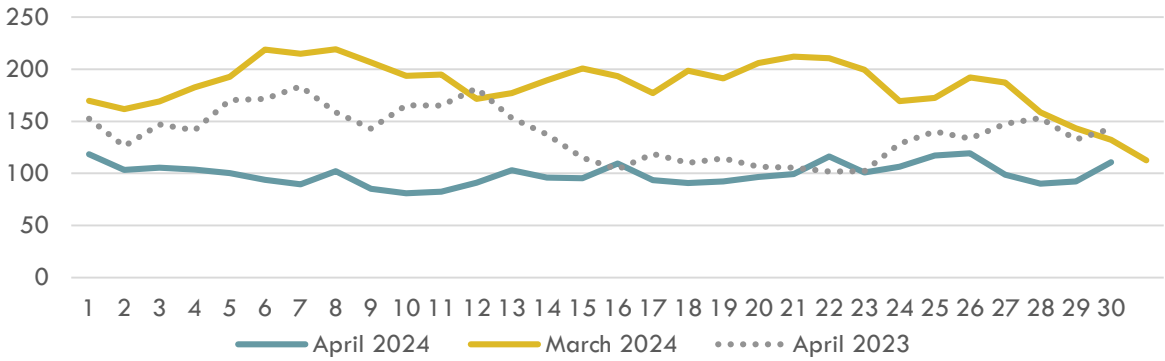
April 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



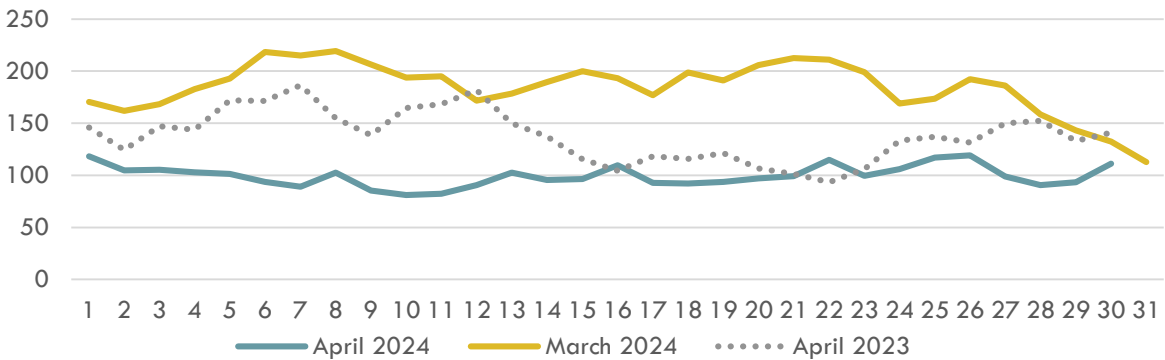
- ✓ The maximum positive imbalance volume was 19.889.386 sm³ on 13 April 2024 Sat; the minimum positive imbalance volume was realized at the level of 489 sm³ on 03 April 2024 Wed.
- ✓ The maximum negative imbalance volume was 22.183.802 sm³ on 15 April 2024 Mon; the minimum negative imbalance volume was realized at the level of 1.169 sm³ on 30 April 2024 Tue.

TRANSMISSION SYSTEM DATA (2/2)

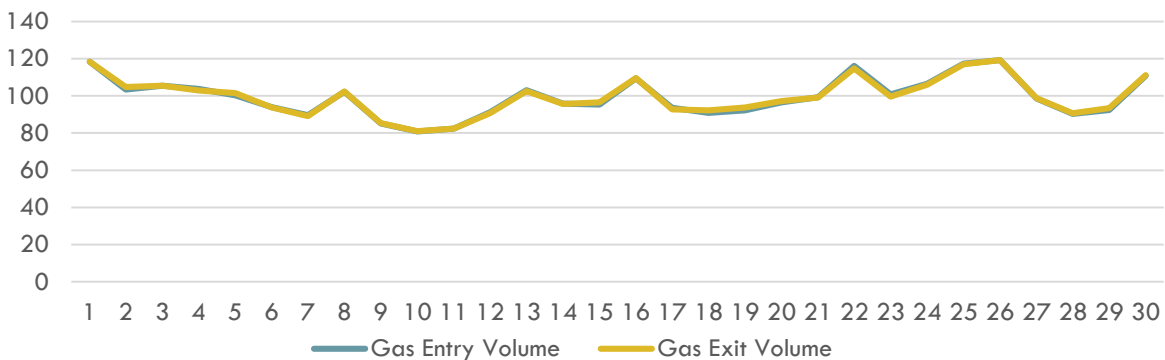
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 26 April 2024 Fri was 119.226.997 sm³; minimum gas entry volume on 10 April 2024 Wed was 80.812.247 sm³ levels.
- ✓ Maximum gas exit volume realized on 26 April 2024 Fri was 119.127.309 sm³; minimum gas exit volume 10 April 2024 Wed was 81.055.047 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 14 April 2024 Sun was 419.791.243 sm³; minimum stok gas volume 20 April 2024 Sat was 415.973.772 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.04.2024	122	9.050	Purchase
02.04.2024	133	8.845	Purchase
03.04.2024	119	8.731	Purchase
04.04.2024	1.543	10.371	Purchase
05.04.2024	133	9.420	Purchase
06.04.2024	634	9.827	Purchase
07.04.2024	1.275	10.181	Purchase
08.04.2024	412	9.930	Purchase
09.04.2024	725	9.917	Purchase
10.04.2024	680	9.786	Purchase
11.04.2024	783	9.689	Purchase
12.04.2024	923	9.763	Purchase
13.04.2024	682	9.751	Purchase
14.04.2024	327	9.712	Purchase
15.04.2024	108	9.694	Purchase
16.04.2024	101	9.700	Purchase
17.04.2024	1.223	9.889	Purchase
18.04.2024	216	9.795	Purchase
19.04.2024	352	9.938	Purchase
20.04.2024	1.541	10.241	Purchase
21.04.2024	1.874	10.247	Purchase
22.04.2024	2.152	10.260	Purchase
23.04.2024	1.693	10.260	Purchase
24.04.2024	795	10.248	Purchase
25.04.2024	475	10.190	Purchase
26.04.2024	223	10.165	Purchase
27.04.2024	141	10.058	Purchase
28.04.2024	123	10.059	Purchase
29.04.2024	286	10.045	Purchase
30.04.2024	621	10.004	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 2.152.000 sm³ on 22 April 2024 Mon; additional balancing transactions with a minimum code of 1 were realized at the level of 101.000 sm³ on 16 April 2024 Tue.
- ✓ In April, no additional balancing transaction code of 2 was realized.
- ✓ In April, no additional balancing transaction code of 3 was realized.
- ✓ In April, no additional balancing transaction code of 4 was realized.