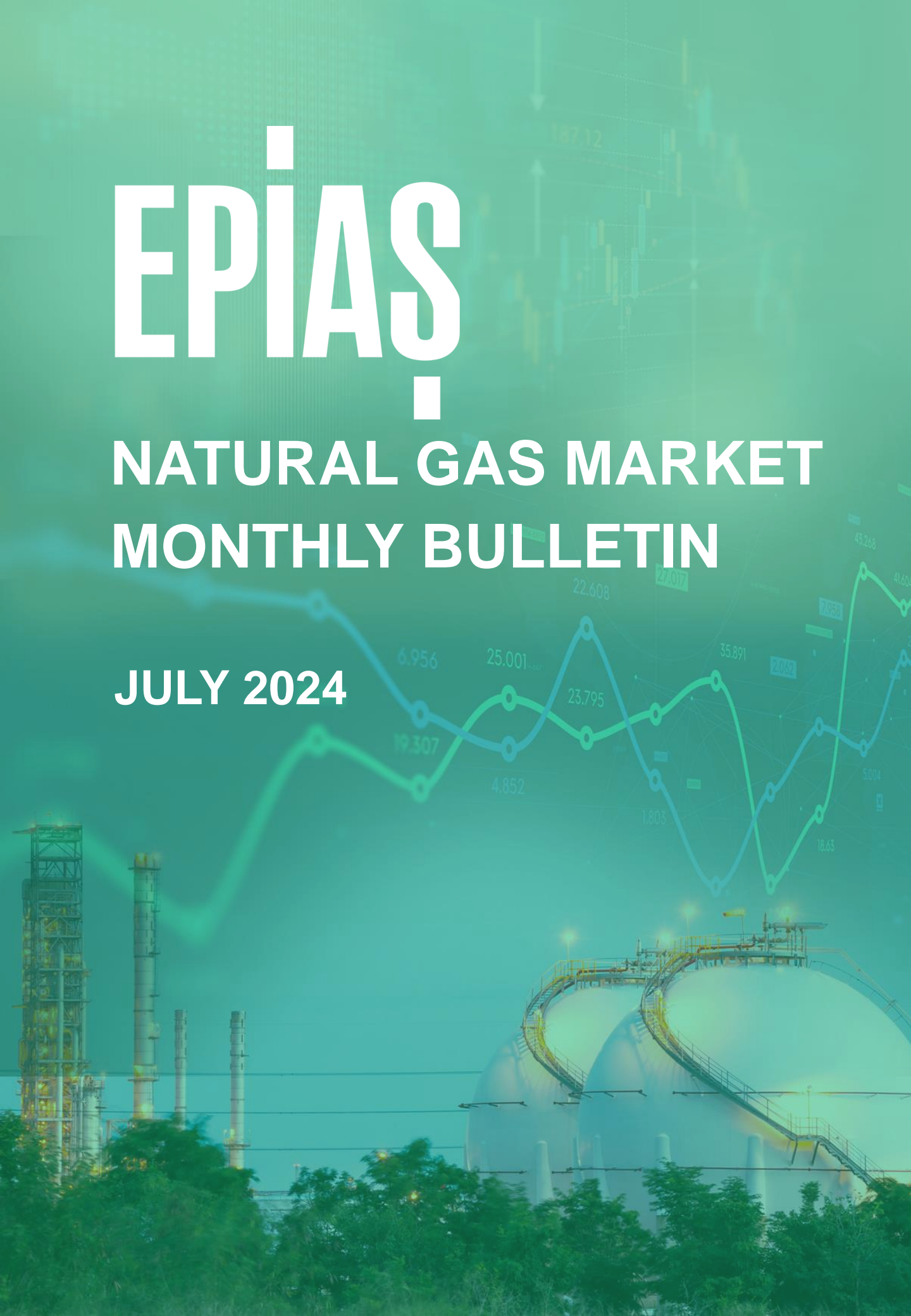


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

JULY 2024



SUMMARY DATA (1/2)

Arithmetic Means

	July 2024	June 2024	Monthly Change	July 2023	Annual Change
Number of Ordered Participants	10	7	51.2%	8	32.3%
Number of Trades	10	5	113.5%	9	13.6%
Number of Orders	27	15	73.8%	19	39.3%
BGSP (TL/'000 Sm ³)	9.970	10.001	-0.3%	9.019	10.5%
DRP (TL/'000 Sm ³)	10.494	10.527	-0.3%	9.494	10.5%
BGPP (TL/'000 Sm ³)	11.030	11.054	-0.2%	9.969	10.6%
Traded Volume (mio.Sm ³)	1,19	1,07	10.7%	3,50	-66.1%
Transaction Volume (TL)	12.288.236	11.199.360	9.7%	33.100.055	-62.9%
Gas Entry Volume (mio.Sm ³)	117,63	89,05	32.1%	98,81	19.1%
Gas Exit Volume (mio.Sm ³)	117,67	88,95	32.3%	98,46	19.5%
WRP (TL/'000 Sm ³)	0	10.518	-100.0%	0	-

Maximum / Minimum Levels

	July 2024		June 2024		July 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	14	6	10	1	15	3
Number of Ordered Participants	11	8	9	5	10	5
Number of Orders	39	18	25	8	35	10
BGSP (TL/'000 Sm ³)	10.362	9.725	10.240	9.875	9.547	8.740
DRP (TL/'000 Sm ³)	10.907	10.237	10.779	10.395	10.049	9.200
BGPP (TL/'000 Sm ³)	11.453	10.749	11.318	10.915	10.552	9.660
Traded Volume (mio.Sm ³)	3,29	0,52	2,52	0,12	8,81	0,75
Transaction Volume (TL)	33.823.820	5.614.156	25.085.218	1.242.540	81.262.365	7.090.346
Gas Exit Volume (mio.Sm ³)	137,11	93,40	114,88	51,29	115,06	52,83
Gas Entry Volume (mio.Sm ³)	137,05	92,61	115,65	51,29	113,72	52,72
WRP (TL/'000 Sm ³)	0	0	10.518	10.518	0	0

SUMMARY DATA (2/2)

Totals

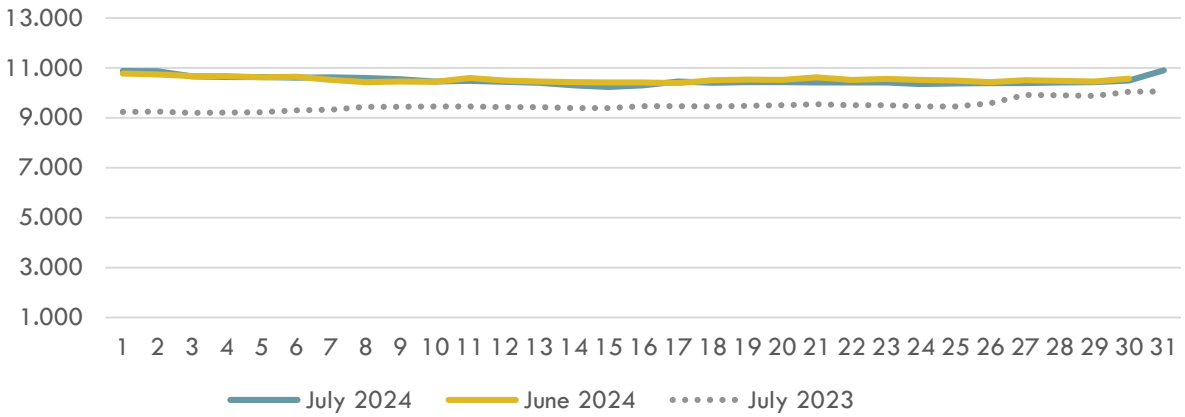
	July 2024	June 2024	Monthly Change	July 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	22	16	37.3%	21	5.0%
Total Production of Natural Gas Based Power Plants (MWh)	7.088.066	4.263.741	66.2%	6.164.595	15.0%
Total Electricity Generation (MWh)	32.347.119	26.716.993	21.1%	29.532.475	9.5%
Number of Trades	300	132	127.3%	264	13.6%
Number of Orders	826	460	79.6%	593	39.3%
Traded Volume (mio.Sm ³)	36,79	32,16	14.4%	108,57	-66.1%
Transaction Volume (TL)	380.935.322	335.980.805	13.4%	1.026.101.711	-62.9%
Gas Entry Volume (mio.Sm ³)	3.646,67	2.671,56	36.5%	3.063,10	19.1%
Gas Exit Volume (mio.Sm ³)	3.647,85	2.668,41	36.7%	3.052,16	19.5%

Brent Oil and TTF Prices

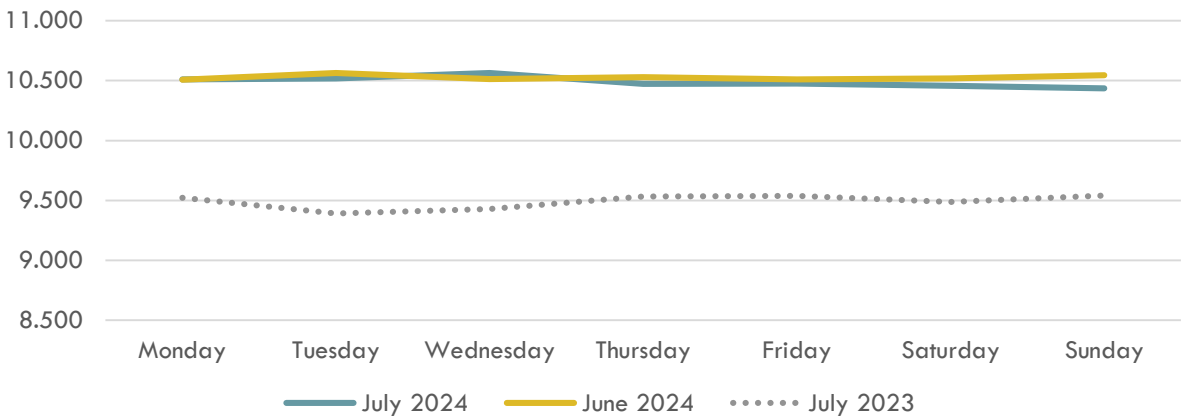
	July 2024	June 2024	Aylık Değişim	July 2023	Yıllık Değişim
Brent Oil (\$/bl)	0,00	83,00	-100.0%	80,38	-100.0%
TTF (€/MWh)	0,00	34,16	-100.0%	29,06	-100.0%

PRICES (1/2)

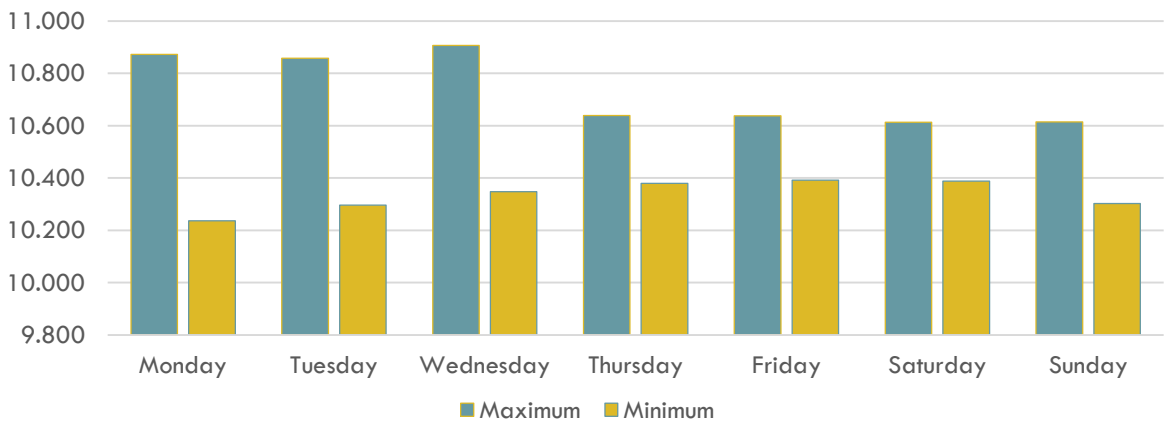
Natural Gas Market DRP (TL/'000 Sm³)



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

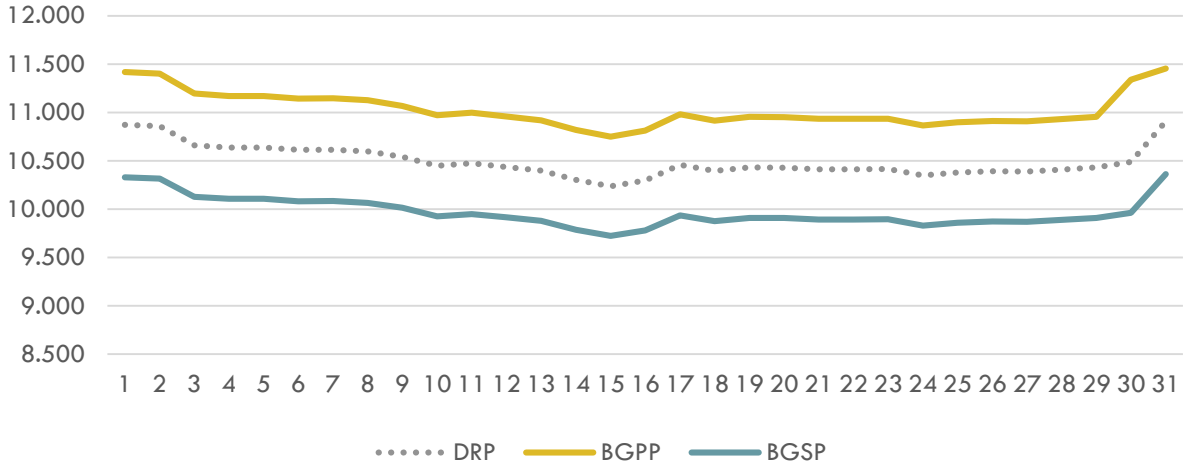


July 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

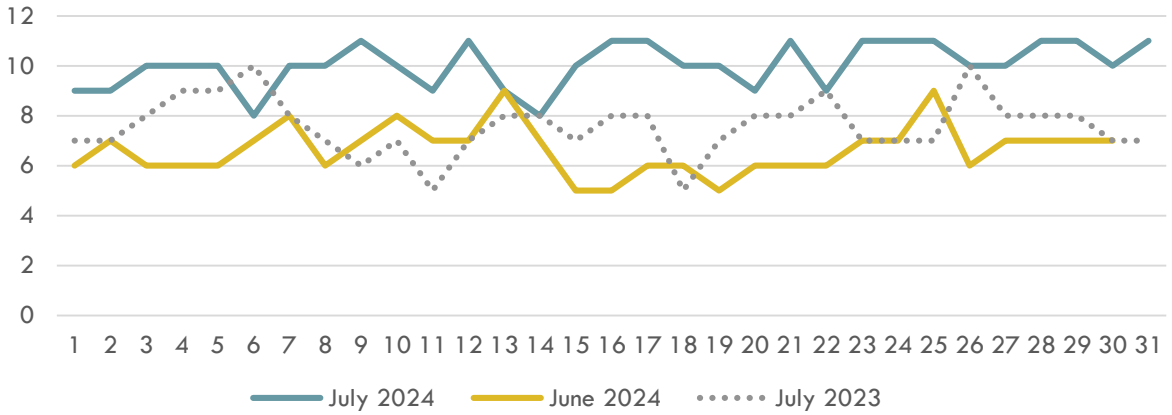
July 2024 DRP - BGPP - BGSP (TL/'000 Sm³)



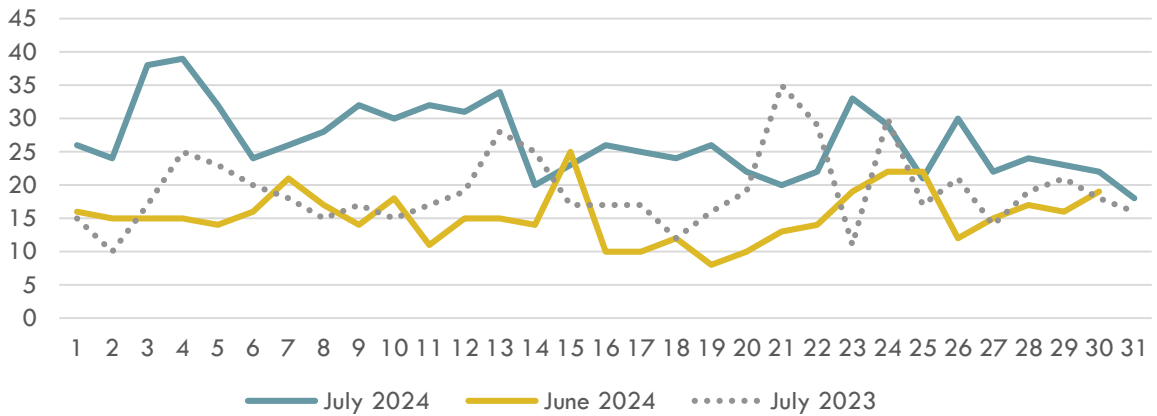
- ✓ The maximum DRP was 10.907 TL on 31 July 2024 Wed; the minimum DRP was realized at the level of 10.237 TL on 15 July 2024 Mon.
- ✓ The Maximum BGPP was 11.453 on 31 July 2024 Wed; the minimum BGPP was realized at the level of 10.749 TL on 15 July 2024 Mon.
- ✓ The maximum BGSP was 10.362 on 31 July 2024 Wed; the minimum BGSP was realized at the level of 9.725 TL on 15 July 2024 Mon.

ORDERS, TRADES, VOLUMES (1/3)

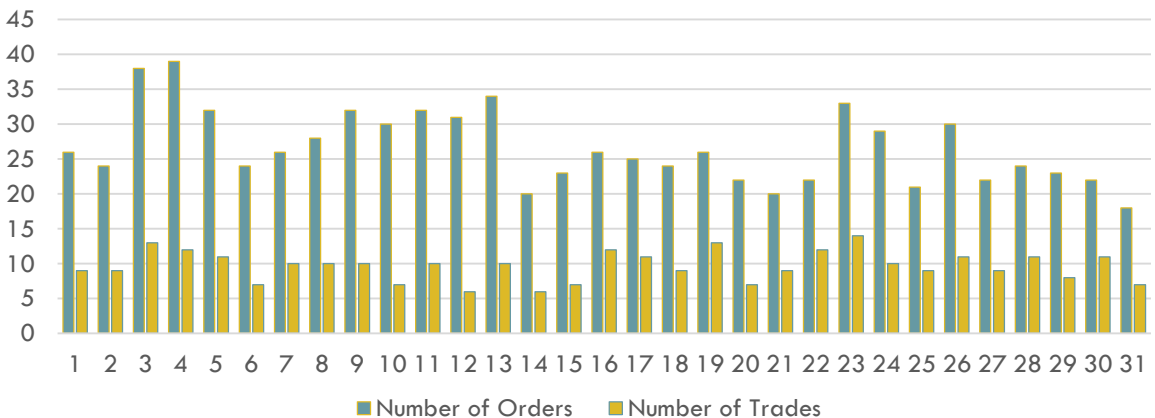
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

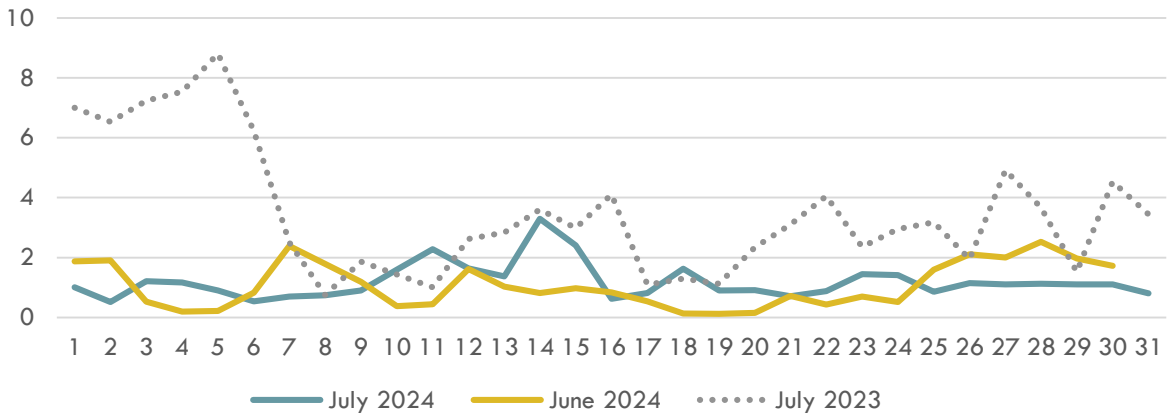


July 2024 Natural Gas Market Number of Orders and Trades

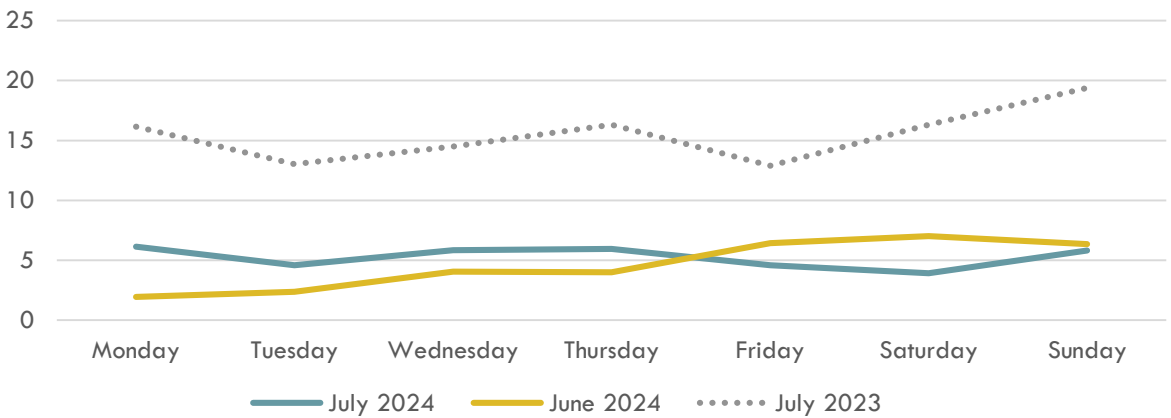


ORDERS, TRADES, VOLUMES (2/3)

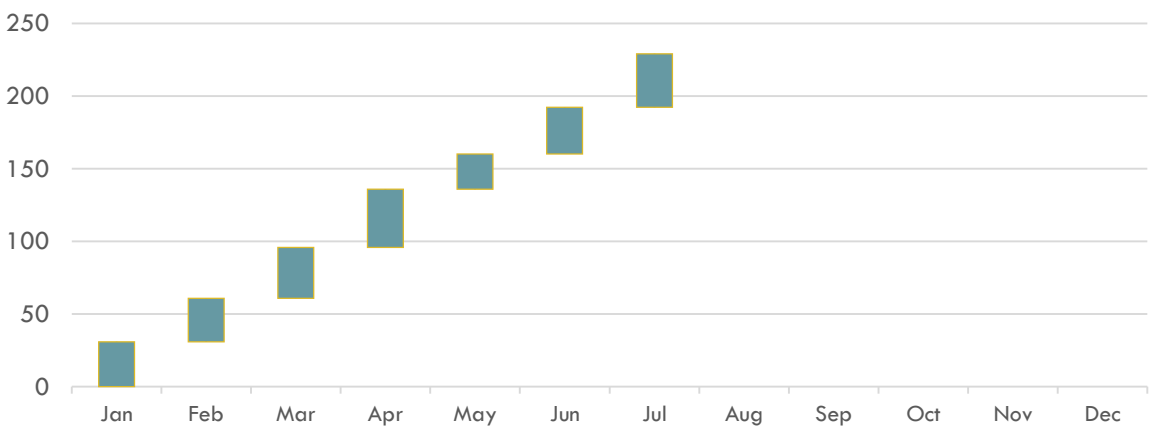
Natural Gas Market Trade Volume (mio.Sm³)



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

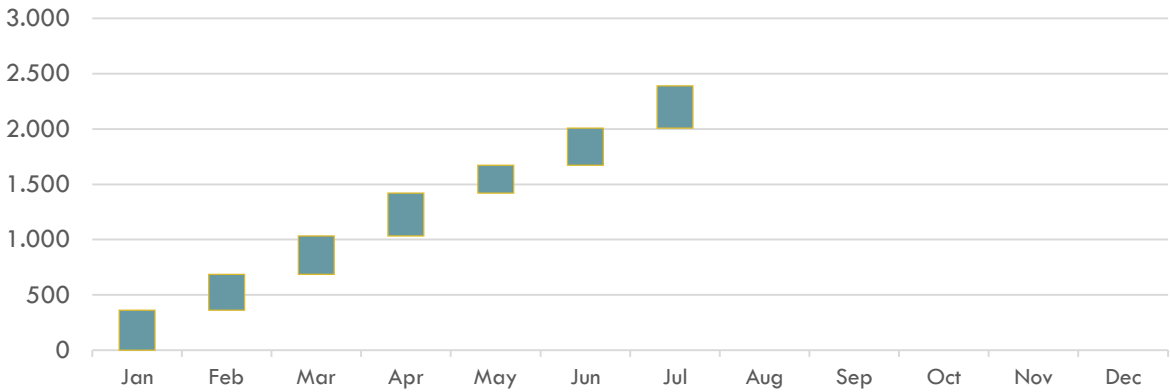


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm³)

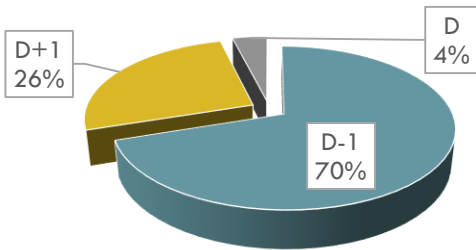


ORDERS, TRADES, VOLUMES (3/3)

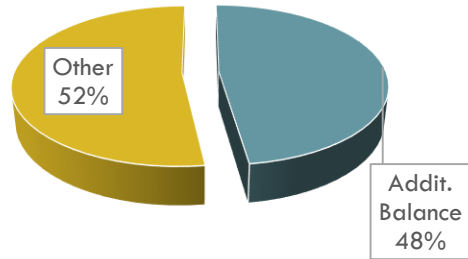
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for July 2024 Period by Sessions



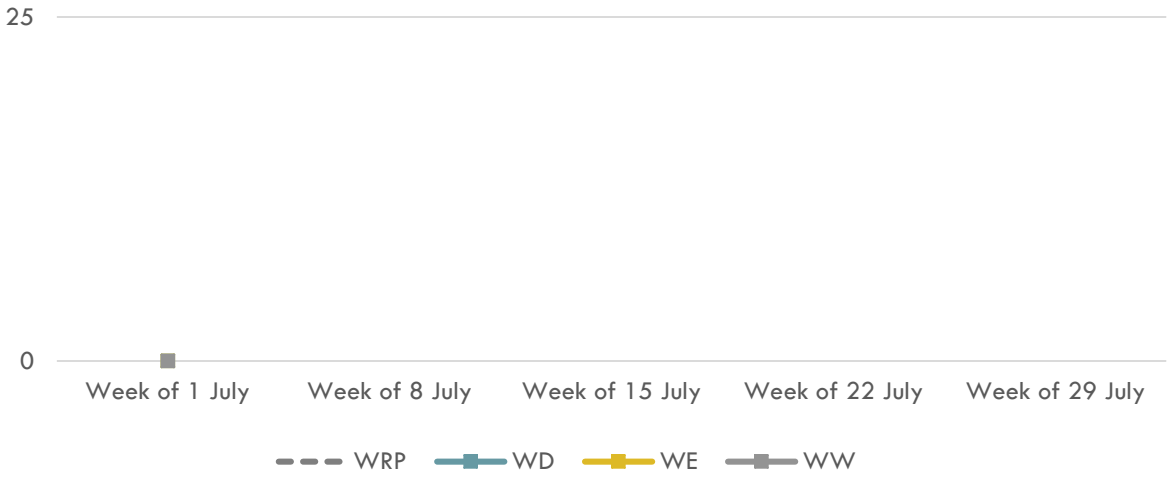
Additional Balancing Traded Volume for July 2024 Period



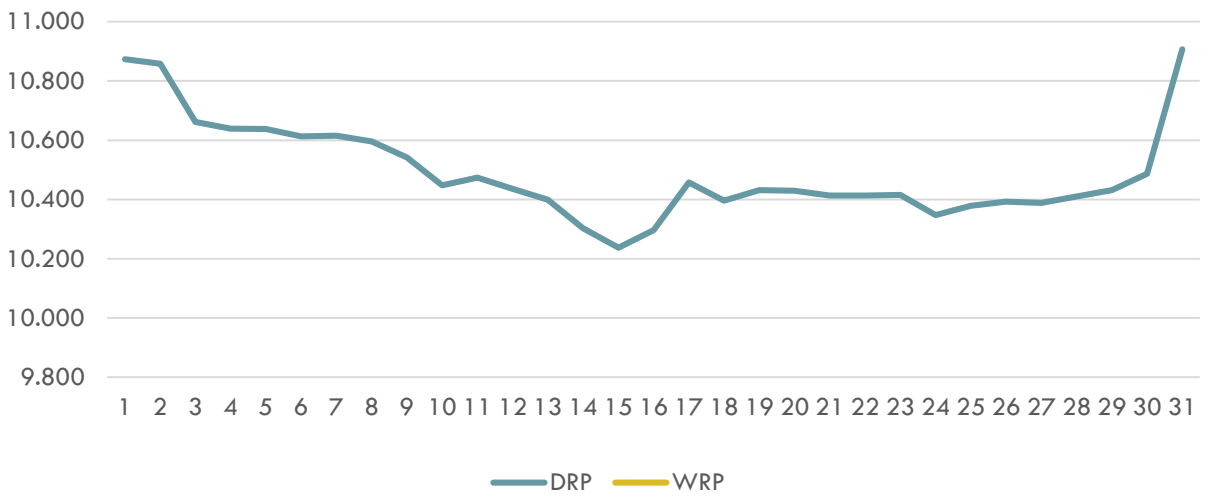
- ✓ The maximum total traded volume was 3.290 sm³ on 14 July 2024 Sun; the minimum total traded volume was realized at the level of 520 sm³ on 02 July 2024 Tue.
- ✓ The maximum total transaction volume was 33.823.820 TL on 14 July 2024 Sun; the minimum total transaction volume was realized at the level of 5.614.156 TL on 02 July 2024 Tue.
- ✓ The maximum d-1 traded volume was 3.048.000 sm³ on 14 July 2024 Sun; the minimum d-1 traded amount was realized at the level of 211.000 sm³ on 30 July 2024 Tue.
- ✓ The maximum d-1 traded volume was 31.402.610 TL on 14 July 2024 Sun; the minimum d-1 traded amount was realized at the level of 2.212.620 TL on 30 July 2024 Tue.
- ✓ The maximum d traded volume was 200.000 sm³ on 31 July 2024 Wed; the minimum d traded amount was realized at the level of 0 sm³ on 01 July 2024 Mon.
- ✓ The maximum d traded volume was 2.200.000 TL on 31 July 2024 Wed; the minimum d traded amount was realized at the level of 0 TL on 01 July 2024 Mon.
- ✓ The maximum d+1 traded volume was 774.000 sm³ on 29 July 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 sm³ on 31 July 2024 Wed.
- ✓ The maximum d+1 traded volume was 7.703.850 TL on 29 July 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 TL on 31 July 2024 Wed.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 1,0% in July 2024.
- ✓ Sgm share in virtual trade was realized at 17,6% in July 2024.

WEEKLY PRODUCTS (1/2)

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

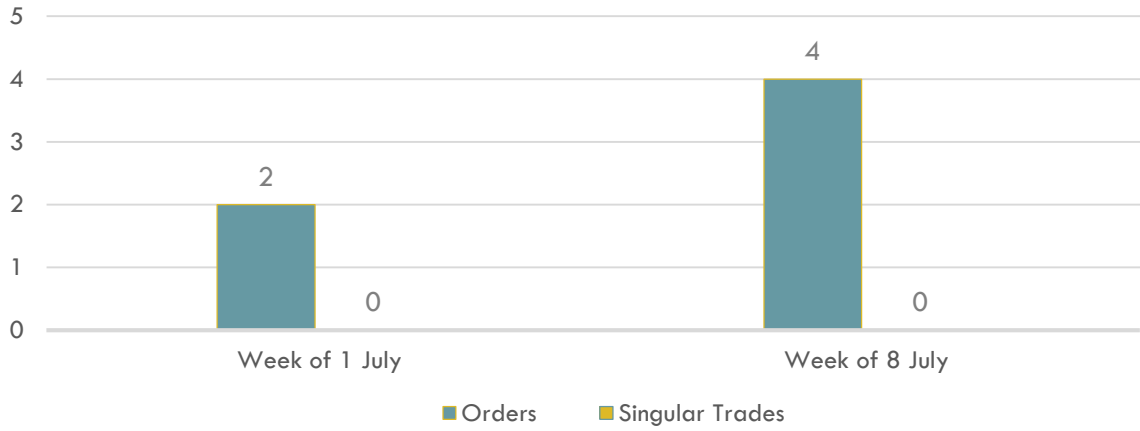


July 2024 DRP - WRP (TL/'000 Sm³)

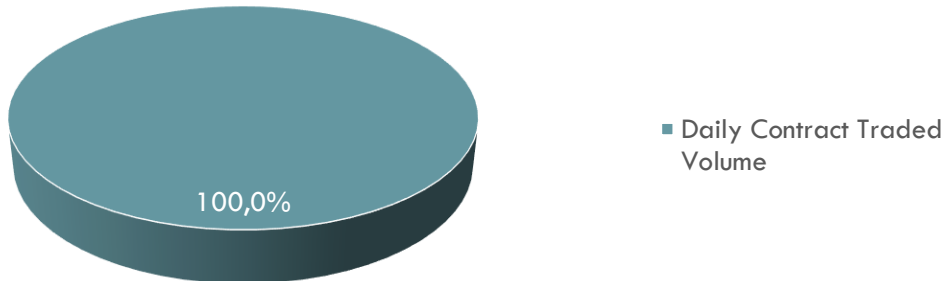


WEEKLY PRODUCTS (2/2)

July 2024 Weekly Products Number of Orders and Trades



July 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

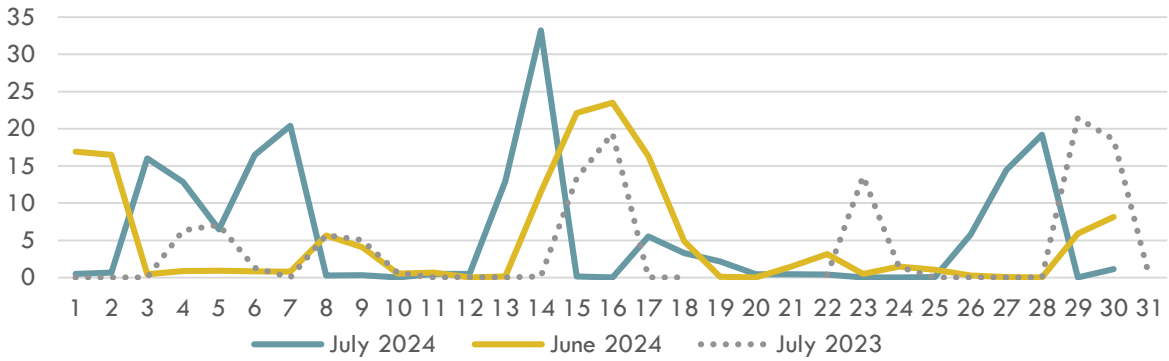
Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Jul 2023	108,57	1.026.101.711
Aug 2023	127,13	1.223.183.039
Sep 2023	43,00	417.667.547
Oct 2023	49,92	546.804.880
Nov 2023	39,81	458.161.852
Dec 2023	41,50	520.000.877
Jan 2024	30,92	359.528.163
Feb 2024	29,90	324.663.297
Mar 2024	35,01	347.575.284
Apr 2024	40,15	389.896.769
May 2024	24,20	251.465.820
Jun 2024	32,16	335.980.805
Jul 2024	36,79	380.935.322

SGM's share in Total Cons. and Virtual Trade

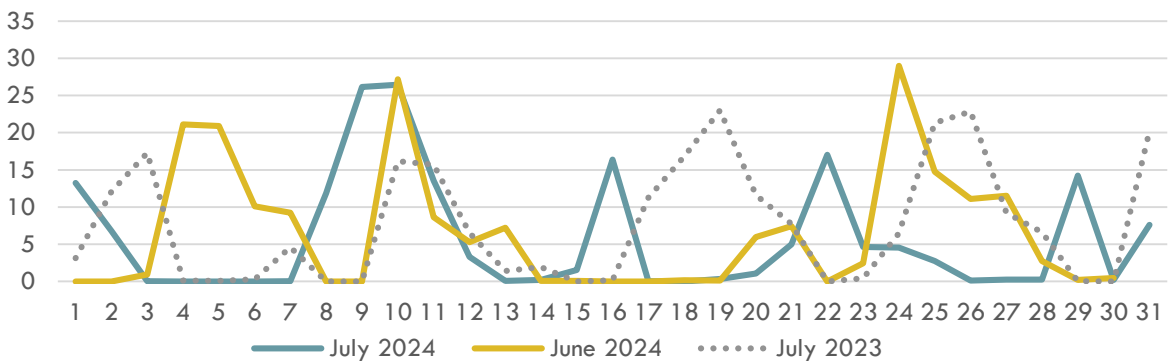
Period	Total Consumption (%)	Virtual Trade (%)
Jul 2023	3,5%	33,4%
Aug 2023	2,8%	13,2%
Sep 2023	1,2%	3,7%
Oct 2023	1,4%	4,6%
Nov 2023	0,8%	4,1%
Dec 2023	0,7%	5,0%
Jan 2024	0,4%	14,4%
Feb 2024	0,5%	16,4%
Mar 2024	0,6%	22,4%
Apr 2024	1,3%	22,1%
May 2024	0,7%	13,3%
Jun 2024	1,2%	20,8%
Jul 2024	1,0%	17,6%

TRANSMISSION SYSTEM DATA (1/2)

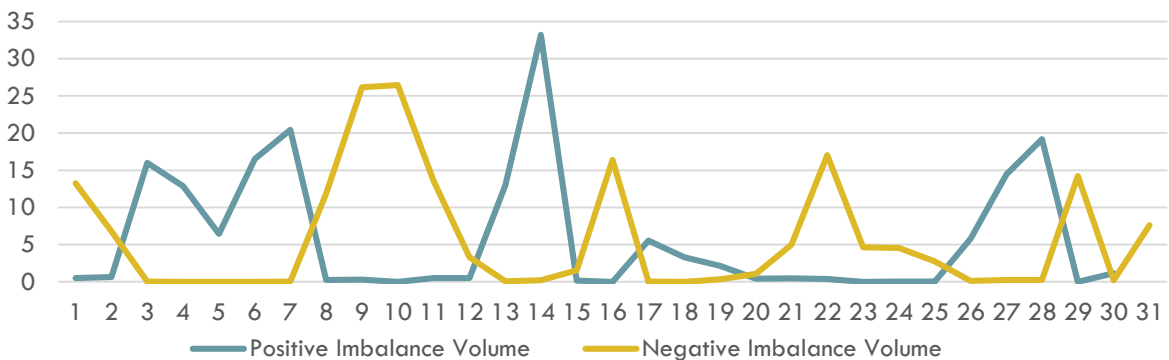
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



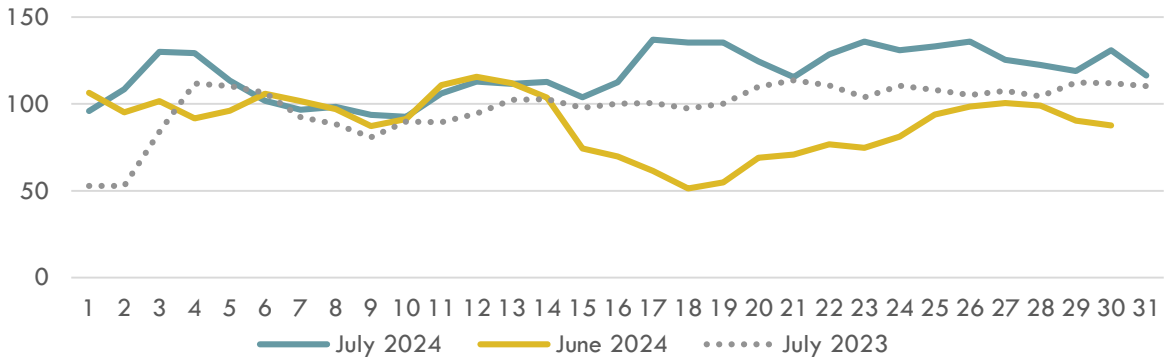
July 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



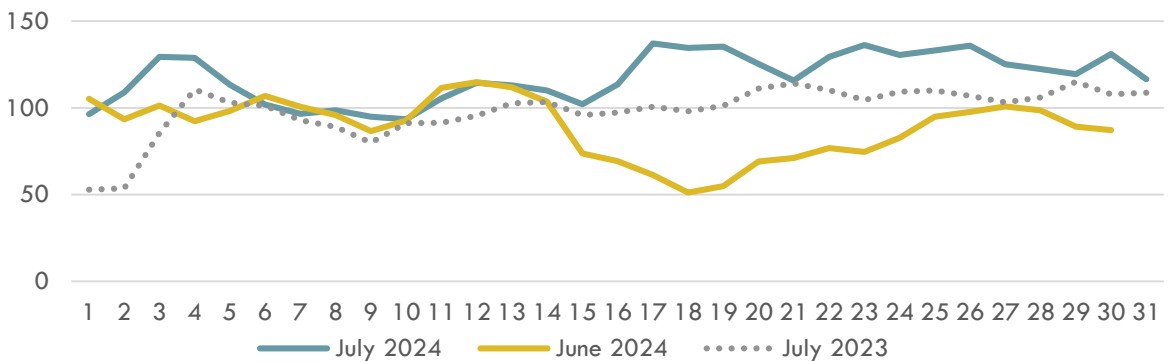
- ✓ The maximum positive imbalance volume was 33.206.284 sm³ on 14 July 2024 Sun; the minimum positive imbalance volume was realized at the level of 0 sm³ on 31 July 2024 Wed.
- ✓ The maximum negative imbalance volume was 26.424.715 sm³ on 10 July 2024 Wed; the minimum negative imbalance volume was realized at the level of 568 sm³ on 04 July 2024 Thu.

TRANSMISSION SYSTEM DATA (2/2)

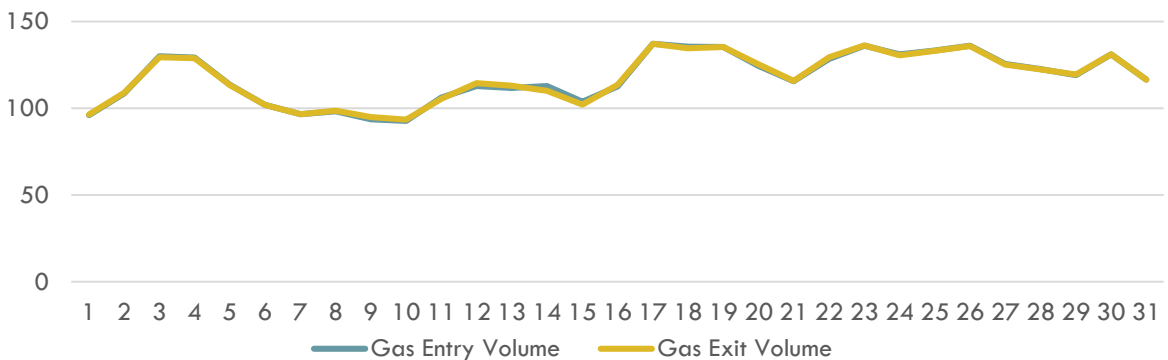
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 17 July 2024 Wed was 137.049.092 sm³; minimum gas entry volume on 10 July 2024 Wed was 92.611.860 sm³ levels.
- ✓ Maximum gas exit volume realized on 17 July 2024 Wed was 137.106.399 sm³; minimum gas exit volume 10 July 2024 Wed was 93.403.958 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 07 July 2024 Sun was 419.741.158 sm³; minimum stok gas volume 13 July 2024 Sat was 415.220.416 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.07.2024	334	10.980	Purchase
02.07.2024	163	10.741	Purchase
03.07.2024	850	10.680	Purchase
04.07.2024	564	10.647	Purchase
05.07.2024	297	10.626	Purchase
06.07.2024	155	10.625	Purchase
07.07.2024	204	10.606	Purchase
08.07.2024	126	10.595	Purchase
09.07.2024	133	10.535	Purchase
10.07.2024	527	10.450	Purchase
11.07.2024	1.262	10.500	Purchase
12.07.2024	1.319	10.439	Purchase
13.07.2024	573	10.398	Purchase
14.07.2024	2.915	10.299	Purchase
15.07.2024	1.865	10.237	Purchase
16.07.2024	182	10.271	Purchase
17.07.2024	216	10.415	Purchase
18.07.2024	1.123	10.397	Purchase
19.07.2024	273	10.423	Purchase
20.07.2024	219	10.437	Purchase
21.07.2024	188	10.433	Purchase
22.07.2024	164	10.414	Purchase
23.07.2024	343	10.418	Purchase
24.07.2024	967	10.345	Purchase
25.07.2024	575	10.379	Purchase
26.07.2024	481	10.395	Purchase
27.07.2024	515	10.390	Purchase
28.07.2024	257	10.426	Purchase
29.07.2024	157	10.445	Purchase
30.07.2024	137	10.530	Purchase
31.07.2024	526	10.924	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 2.915.000 sm³ on 14 July 2024 Sun; additional balancing transactions with a minimum code of 1 were realized at the level of 126.000 sm³ on 08 July 2024 Mon.
- ✓ In July, no additional balancing transaction code of 2 was realized.
- ✓ In July, no additional balancing transaction code of 3 was realized.
- ✓ In July, no additional balancing transaction code of 4 was realized.