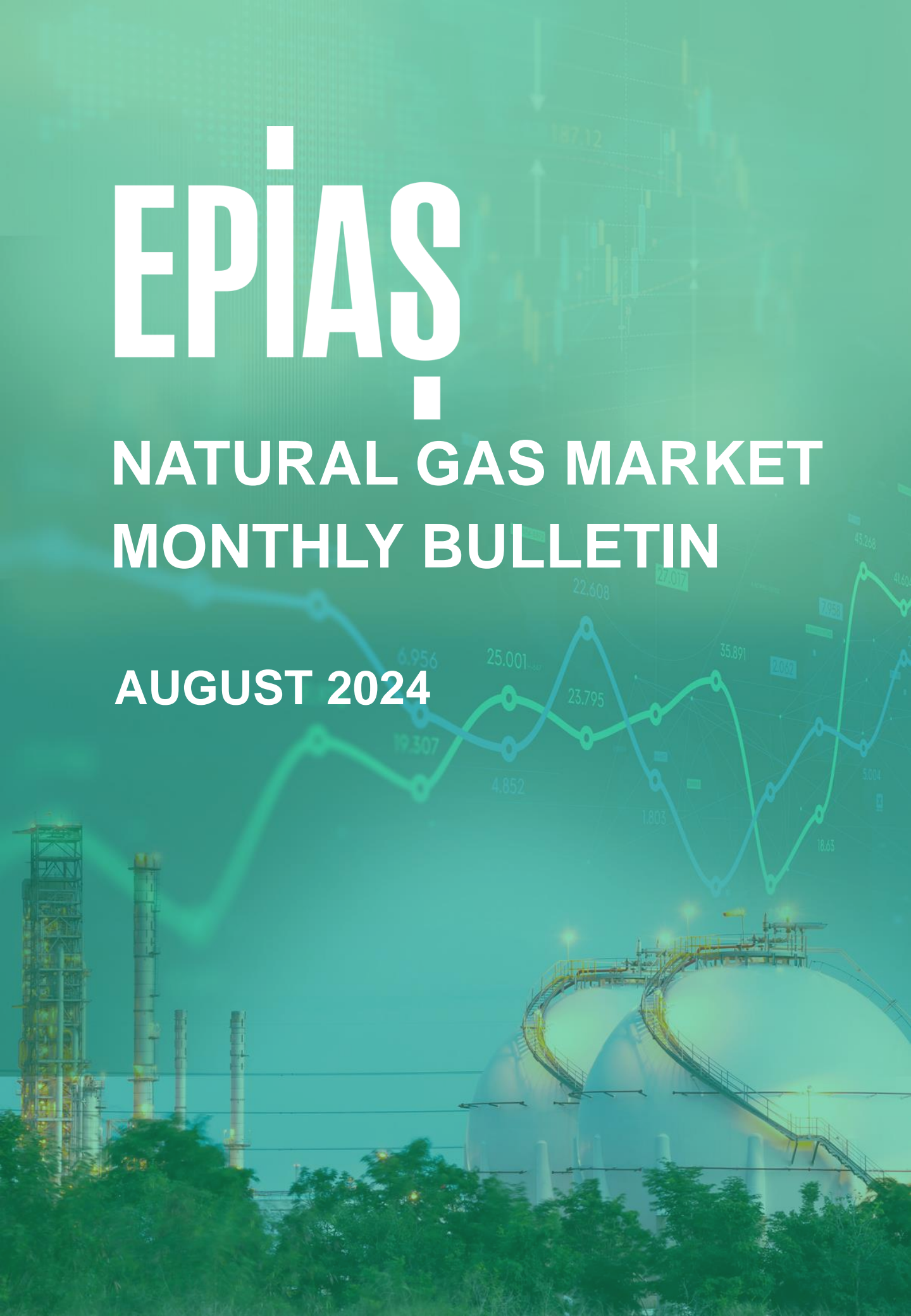


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

AUGUST 2024



SUMMARY DATA (1/2)

Arithmetic Means

	August 2024	July 2024	Monthly Change	August 2023	Annual Change
Number of Ordered Participants	9	10	-8.4%	11	-15.7%
Number of Trades	8	10	-22.3%	13	-43.9%
Number of Orders	22	27	-18.6%	32	-31.8%
BGSP (TL/'000 Sm ³)	11.082	9.970	11.2%	9.150	21.1%
DRP (TL/'000 Sm ³)	11.666	10.494	11.2%	9.631	21.1%
BGPP (TL/'000 Sm ³)	12.249	11.030	11.1%	10.113	21.1%
Traded Volume (mio.Sm ³)	1,01	1,19	-14.7%	4,10	-75.3%
Transaction Volume (TL)	11.769.218	12.288.236	-4.2%	39.457.517	-70.2%
Gas Entry Volume (mio.Sm ³)	132,42	117,63	12.6%	118,72	11.5%
Gas Exit Volume (mio.Sm ³)	132,41	117,67	12.5%	118,77	11.5%
WRP (TL/'000 Sm ³)	0	0	-	0	-

Maximum / Minimum Levels

	August 2024		July 2024		August 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	12	3	14	6	21	7
Number of Ordered Participants	11	7	11	8	14	9
Number of Orders	30	12	39	18	57	20
BGSP (TL/'000 Sm ³)	11.552	10.680	10.362	9.725	9.611	8.631
DRP (TL/'000 Sm ³)	12.160	11.242	10.907	10.237	10.116	9.085
BGPP (TL/'000 Sm ³)	12.768	11.804	11.453	10.749	10.622	9.539
Traded Volume (mio.Sm ³)	2,13	0,26	3,29	0,52	7,27	0,50
Transaction Volume (TL)	24.139.150	2.980.560	33.823.820	5.614.156	73.165.005	4.957.725
Gas Exit Volume (mio.Sm ³)	162,28	103,58	137,11	93,40	135,97	98,11
Gas Entry Volume (mio.Sm ³)	161,82	102,86	137,05	92,61	135,40	98,52
WRP (TL/'000 Sm ³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

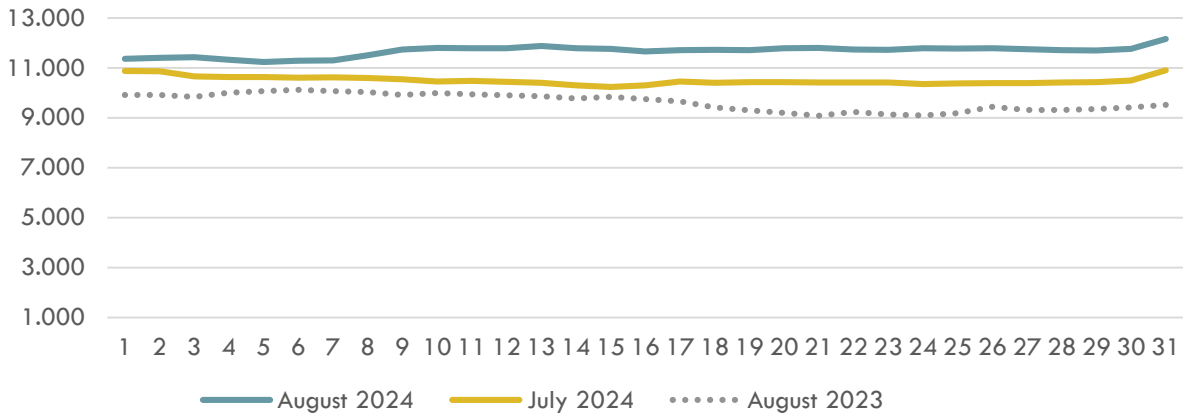
	August 2024	July 2024	Monthly Change	August 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	25	22	15.1%	29	-11.7%
Total Production of Natural Gas Based Power Plants (MWh)	7.975.998	7.088.258	12.5%	8.872.682	-10.1%
Total Electricity Generation (MWh)	31.631.031	32.348.615	-2.2%	31.075.754	1.8%
Number of Trades	233	300	-22.3%	415	-43.9%
Number of Orders	672	826	-18.6%	985	-31.8%
Traded Volume (mio.Sm ³)	31,38	36,79	-14.7%	127,13	-75.3%
Transaction Volume (TL)	364.845.745	380.935.322	-4.2%	1.223.183.039	-70.2%
Gas Entry Volume (mio.Sm ³)	4.104,97	3.646,67	12.6%	3.680,32	11.5%
Gas Exit Volume (mio.Sm ³)	4.104,59	3.647,85	12.5%	3.681,76	11.5%

Brent Oil and TTF Prices

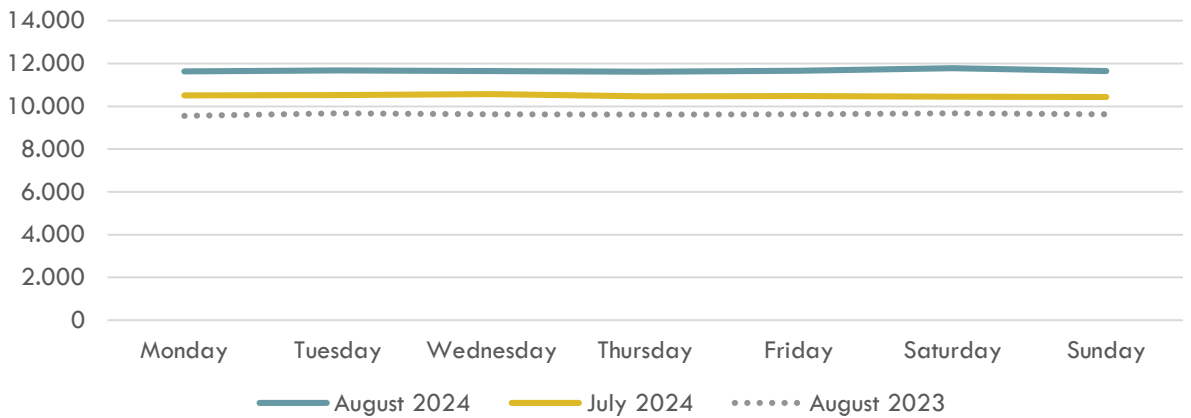
	August 2024	July 2024	Aylık Değişim	August 2023	Yıllık Değişim
Brent Oil (\$/bl)	0,00	0,00	-	85,10	-100.0%
TTF (€/MWh)	0,00	0,00	-	33,11	-100.0%

PRICES (1/2)

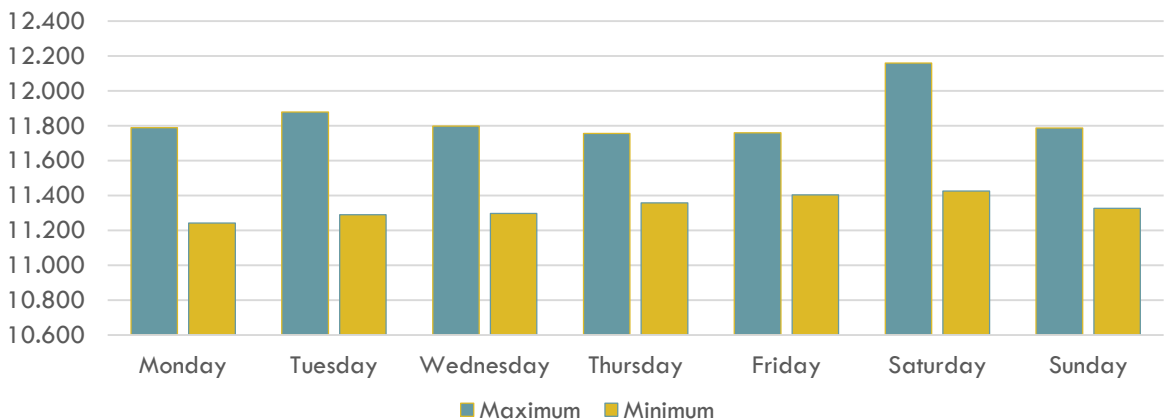
Natural Gas Market DRP (TL/'000 Sm³)



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

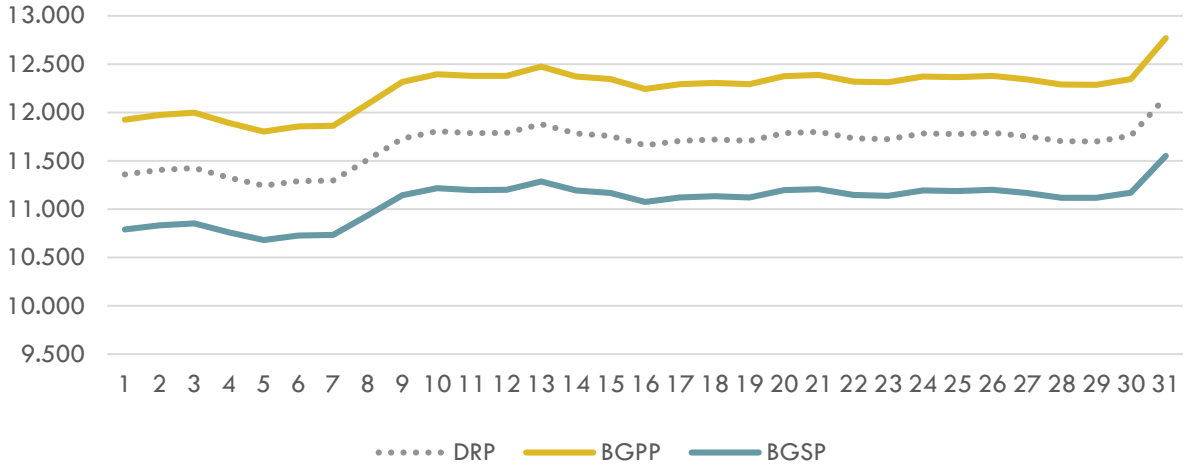


August 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

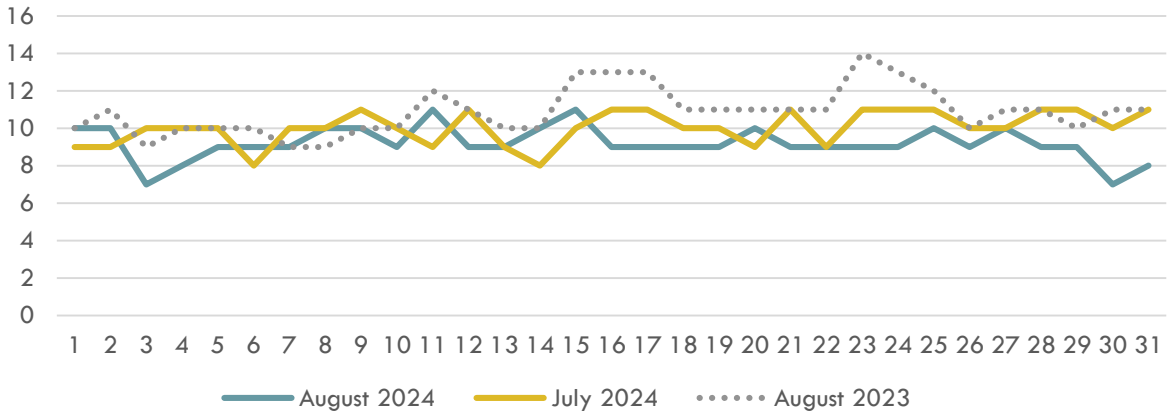
August 2024 DRP - BGPP - BGSP (TL/'000 Sm³)



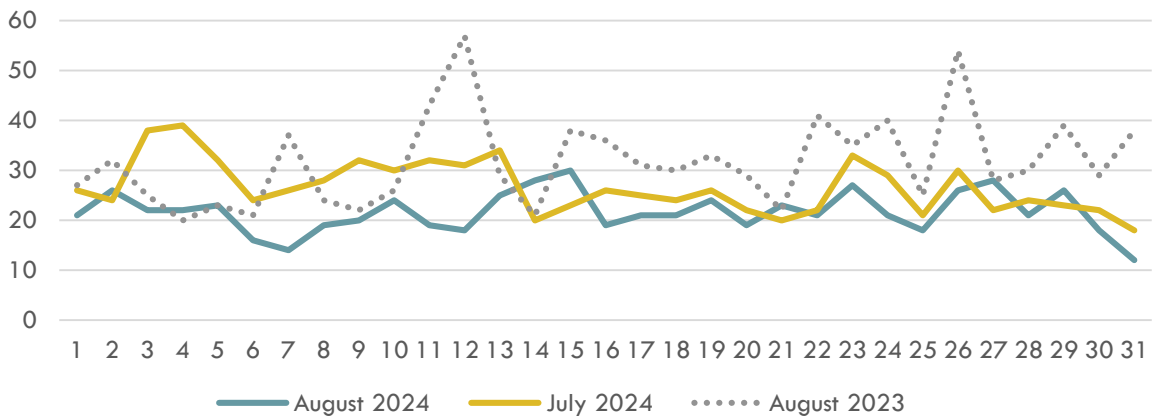
- ✓ The maximum DRP was 12.160 TL on 31 August 2024 Sat; the minimum DRP was realized at the level of 11.242 TL on 05 August 2024 Mon.
- ✓ The Maximum BGPP was 12.768 on 31 August 2024 Sat; the minimum BGPP was realized at the level of 11.804 TL on 05 August 2024 Mon.
- ✓ The maximum BGSP was 11.552 on 31 August 2024 Sat; the minimum BGSP was realized at the level of 10.680 TL on 05 August 2024 Mon.

ORDERS, TRADES, VOLUMES (1/3)

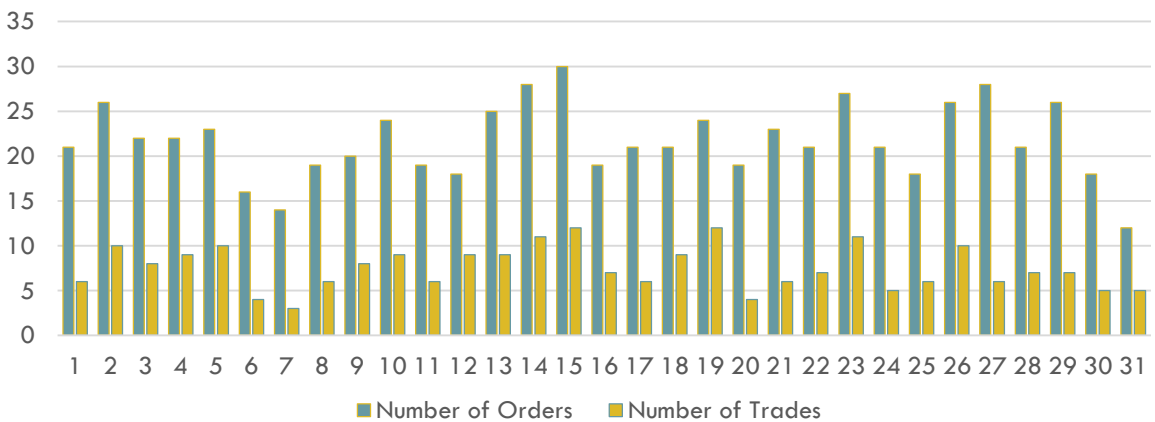
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

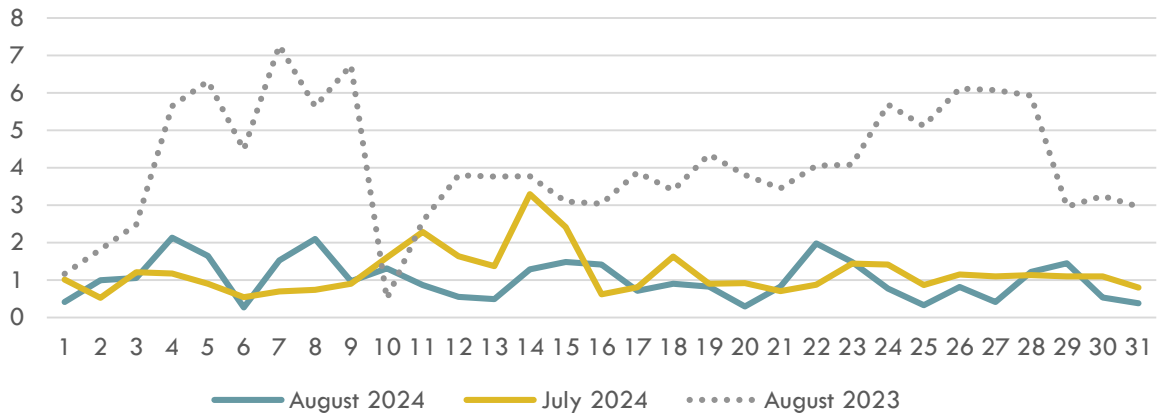


August 2024 Natural Gas Market Number of Orders and Trades

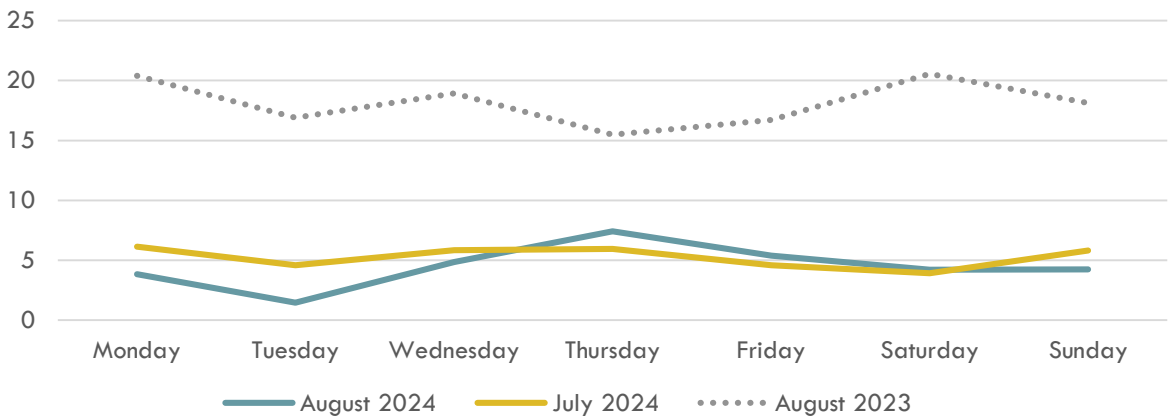


ORDERS, TRADES, VOLUMES (2/3)

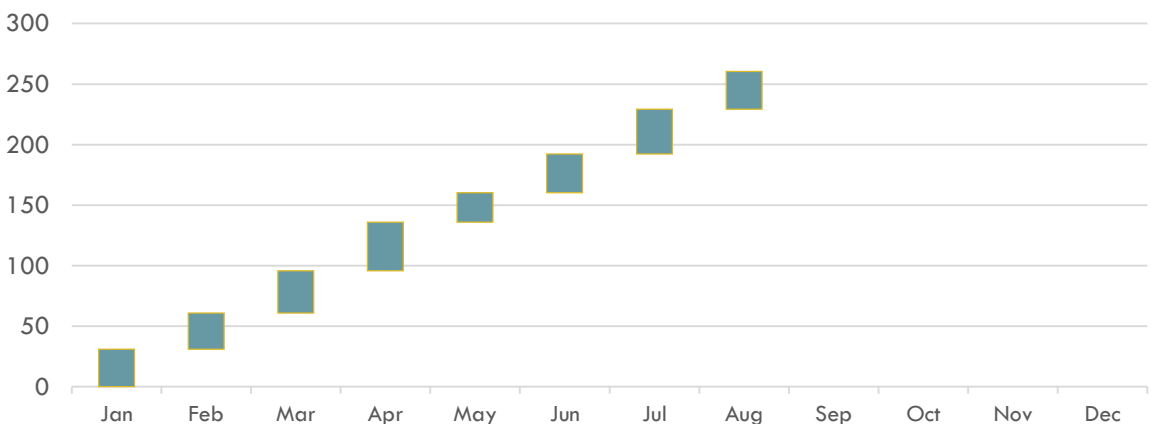
Natural Gas Market Trade Volume (mio.Sm³)



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

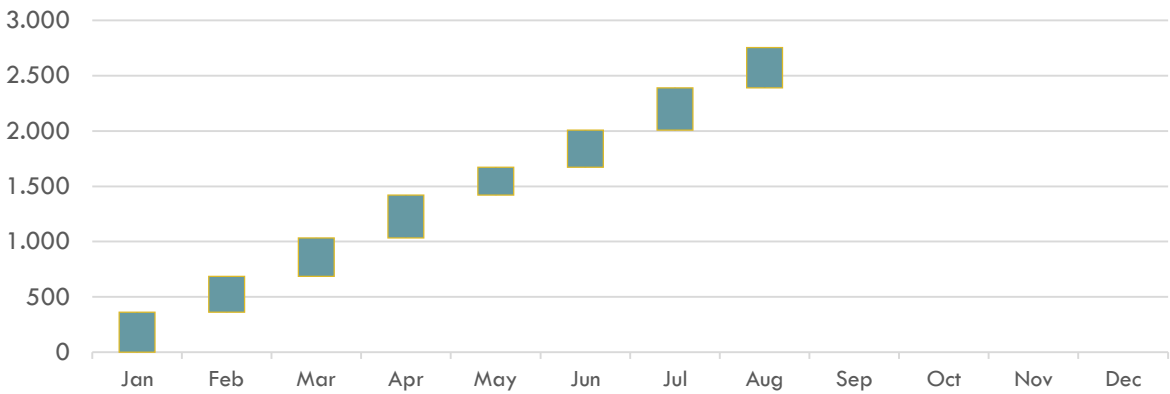


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm³)

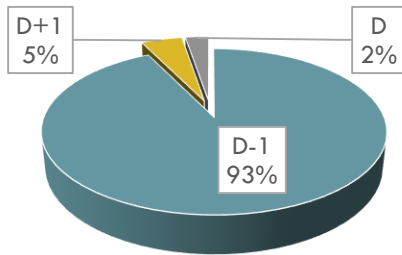


ORDERS, TRADES, VOLUMES (3/3)

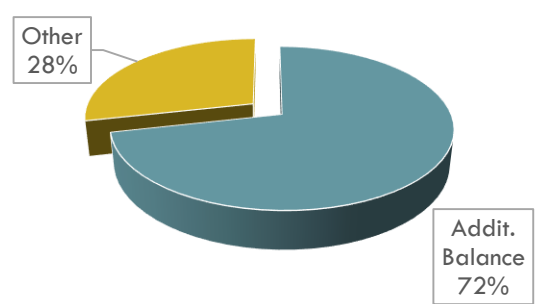
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for August 2024 Period by Sessions



Additional Balancing Traded Volume for August 2024 Period



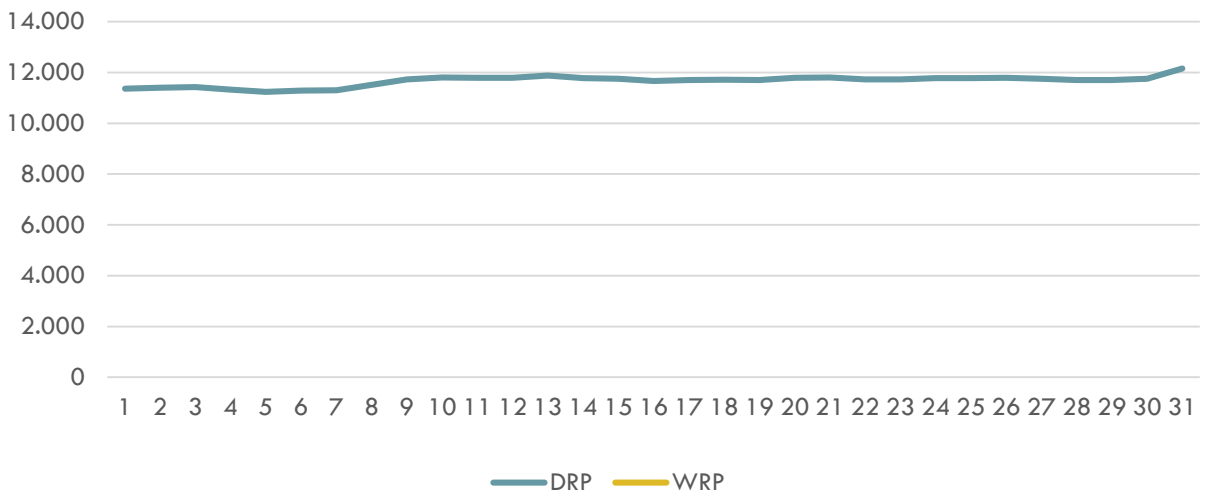
- ✓ The maximum total traded volume was 2.132 sm³ on 04 August 2024 Sun; the minimum total traded volume was realized at the level of 264 sm³ on 06 August 2024 Tue.
- ✓ The maximum total transaction volume was 24.139.150 TL on 04 August 2024 Sun; the minimum total transaction volume was realized at the level of 2.980.560 TL on 06 August 2024 Tue.
- ✓ The maximum d-1 traded volume was 2.012.000 sm³ on 04 August 2024 Sun; the minimum d-1 traded amount was realized at the level of 240.000 sm³ on 20 August 2024 Tue.
- ✓ The maximum d-1 traded volume was 23.231.670 TL on 22 August 2024 Thu; the minimum d-1 traded amount was realized at the level of 2.832.000 TL on 20 August 2024 Tue.
- ✓ The maximum d traded volume was 225.000 sm³ on 19 August 2024 Mon; the minimum d traded amount was realized at the level of 0 sm³ on 01 August 2024 Thu.
- ✓ The maximum d traded volume was 2.634.703 TL on 19 August 2024 Mon; the minimum d traded amount was realized at the level of 0 TL on 01 August 2024 Thu.
- ✓ The maximum d+1 traded volume was 221.000 sm³ on 05 August 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 sm³ on 01 August 2024 Thu.
- ✓ The maximum d+1 traded volume was 2.465.773 TL on 05 August 2024 Mon; the minimum d+1 traded amount was realized at the level of 0 TL on 01 August 2024 Thu.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,8% in August 2024.
- ✓ Sgm share in virtual trade was realized at 2,6% in August 2024.

WEEKLY PRODUCTS (1/2)

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

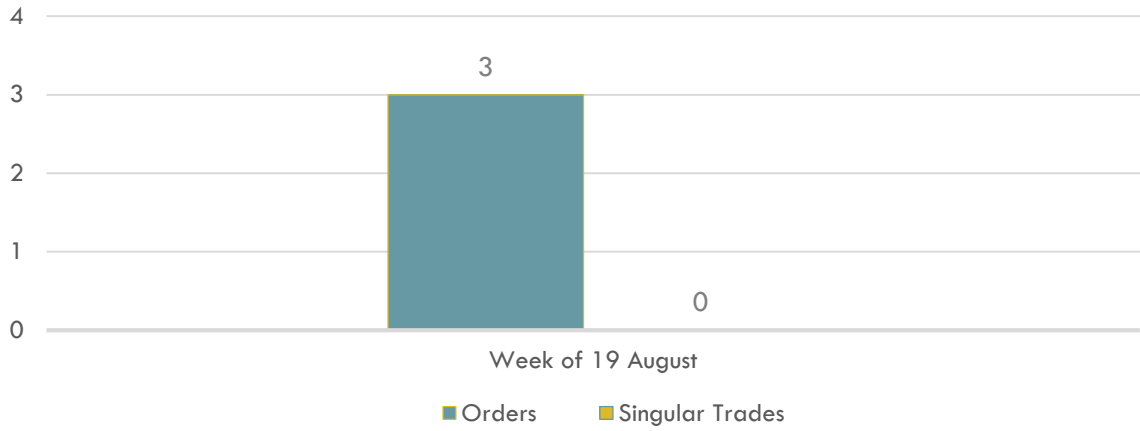


August 2024 DRP - WRP (TL/'000 Sm³)

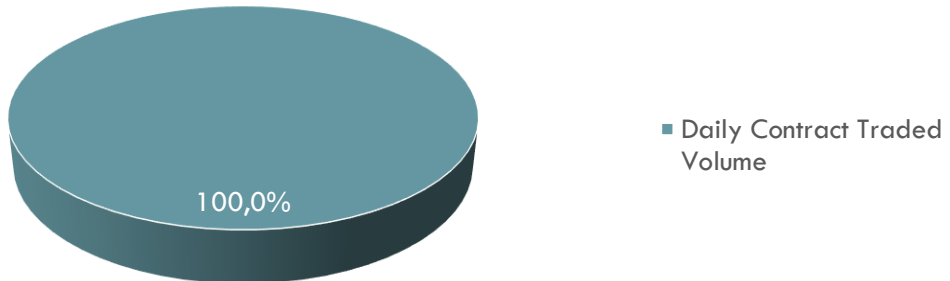


WEEKLY PRODUCTS (2/2)

August 2024 Weekly Products Number of Orders and Trades



August 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
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
Aug 2024	31,38	364.845.745

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
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%
Aug 2024	0,8%	2,6%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

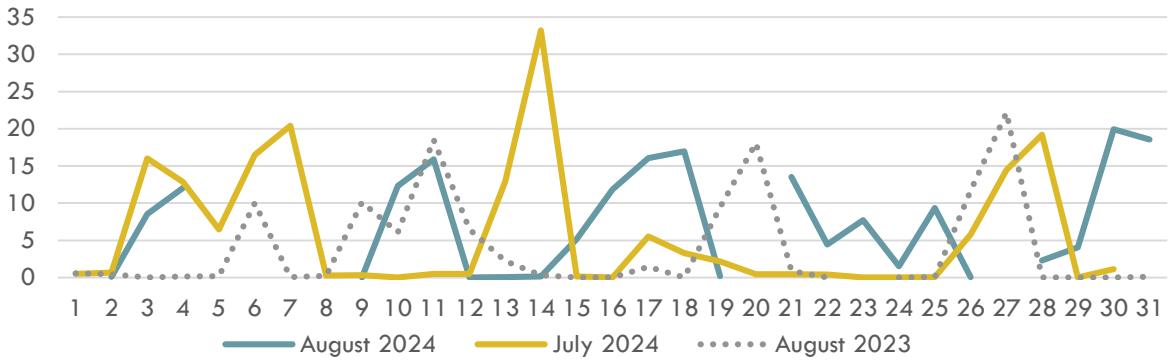
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2409	14.592	14.592	14.592
GM2410	15.740	15.740	15.740
GM2411	16.561	16.561	16.561
GM2412	15.531	15.531	15.531
GM2501	16.554	16.554	16.554
GM2502	18.653	18.653	18.653
GM2503	15.375	15.375	15.375
GM2504	17.609	17.609	17.609
GM2505	17.759	17.759	17.759
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
GQ2404	15.937	15.937	15.937
GQ2501	16.801	16.801	16.801
GQ2502	18.110	18.110	18.110
GQ2503	17.954	17.954	17.954
GY25	18.329	18.329	18.329

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

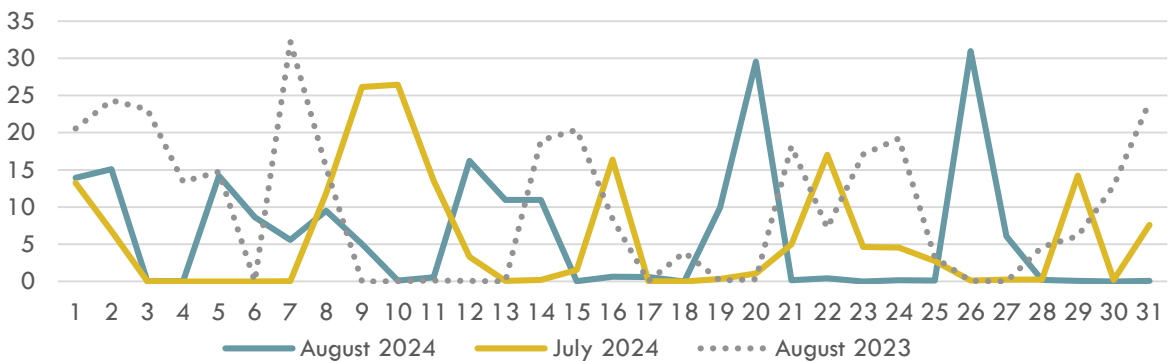
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

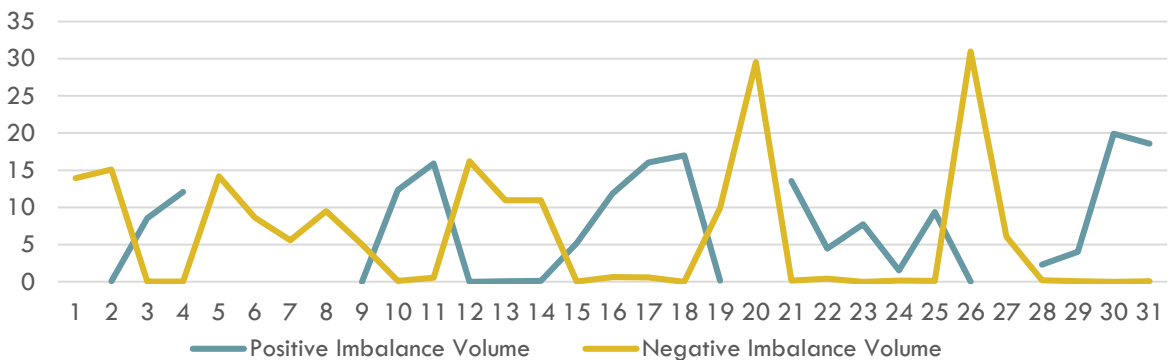
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



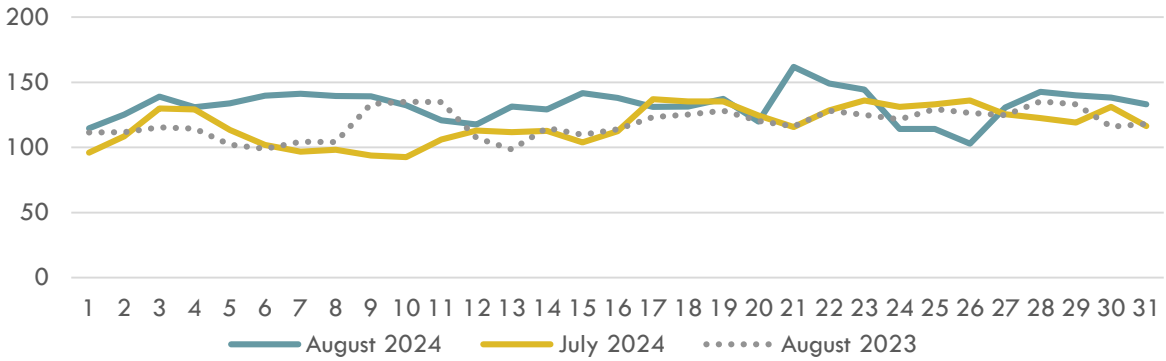
August 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



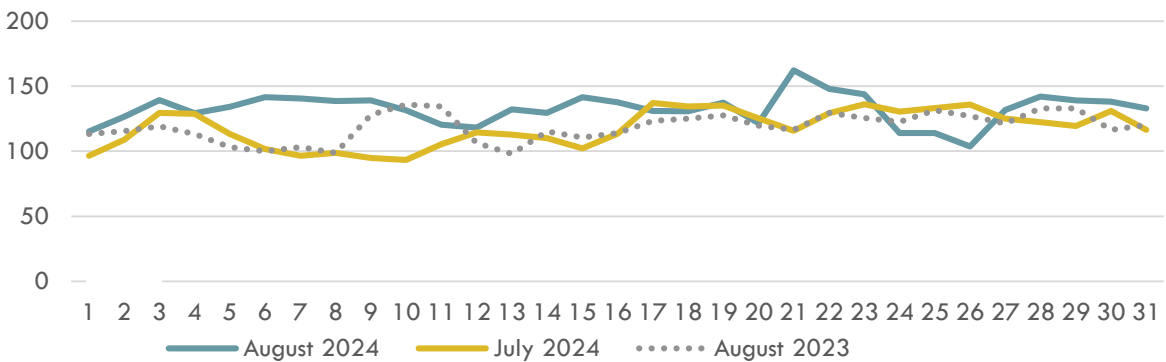
- ✓ The maximum positive imbalance volume was 19.916.392 sm³ on 30 August 2024 Fri; the minimum positive imbalance volume was realized at the level of 0 sm³ on 01 August 2024 Thu.
- ✓ The maximum negative imbalance volume was 30.980.066 sm³ on 26 August 2024 Mon; the minimum negative imbalance volume was realized at the level of 1.876 sm³ on 30 August 2024 Fri.

TRANSMISSION SYSTEM DATA (2/2)

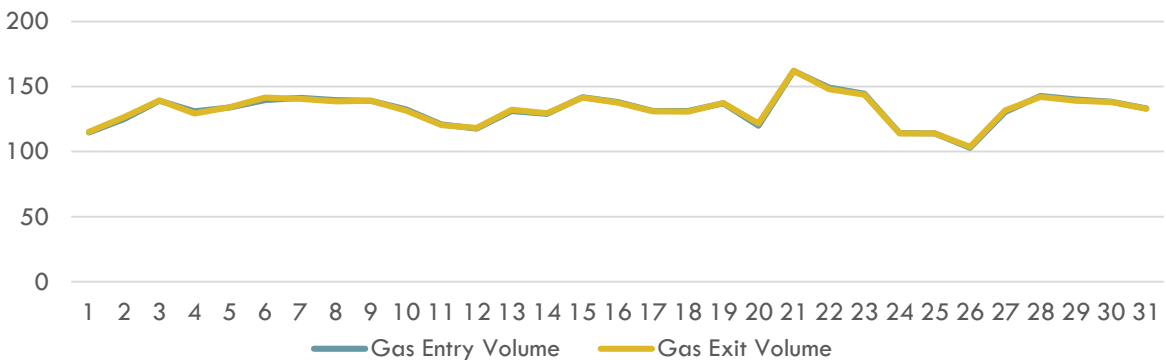
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 21 August 2024 Wed was 161.819.640 sm³; minimum gas entry volume on 26 August 2024 Mon was 102.856.312 sm³ levels.
- ✓ Maximum gas exit volume realized on 21 August 2024 Wed was 162.276.104 sm³; minimum gas exit volume 26 August 2024 Mon was 103.579.471 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 25 August 2024 Sun was 419.715.933 sm³; minimum stok gas volume 06 August 2024 Tue was 416.686.385 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.08.2024	163	11.340	Purchase
02.08.2024	518	11.431	Purchase
03.08.2024	814	11.425	Purchase
04.08.2024	1.862	11.320	Purchase
05.08.2024	1.127	11.237	Purchase
06.08.2024	124	11.290	Purchase
07.08.2024	1.387	11.289	Purchase
08.08.2024	1.927	11.500	Purchase
09.08.2024	781	11.704	Purchase
10.08.2024	1.016	11.800	Purchase
11.08.2024	671	11.793	Purchase
12.08.2024	196	11.800	Purchase
13.08.2024	152	11.841	Purchase
14.08.2024	858	11.781	Purchase
15.08.2024	974	11.769	Purchase
16.08.2024	1.167	11.654	Purchase
17.08.2024	578	11.689	Purchase
18.08.2024	614	11.720	Purchase
19.08.2024	484	11.703	Purchase
20.08.2024	145	11.800	Purchase
21.08.2024	571	11.814	Purchase
22.08.2024	1.745	11.733	Purchase
23.08.2024	1.028	11.719	Purchase
24.08.2024	479	11.790	Purchase
25.08.2024	156	11.779	Purchase
26.08.2024	139	11.786	Purchase
27.08.2024	145	11.739	Purchase
28.08.2024	862	11.701	Purchase
29.08.2024	1.156	11.697	Purchase
30.08.2024	325	11.757	Purchase
31.08.2024	278	12.160	

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 1.927.000 sm³ on 08 August 2024 Thu; additional balancing transactions with a minimum code of 1 were realized at the level of 124.000 sm³ on 06 August 2024 Tue.
- ✓ In August, no additional balancing transaction code of 2 was realized.
- ✓ In August, no additional balancing transaction code of 3 was realized.
- ✓ In August, no additional balancing transaction code of 4 was realized.