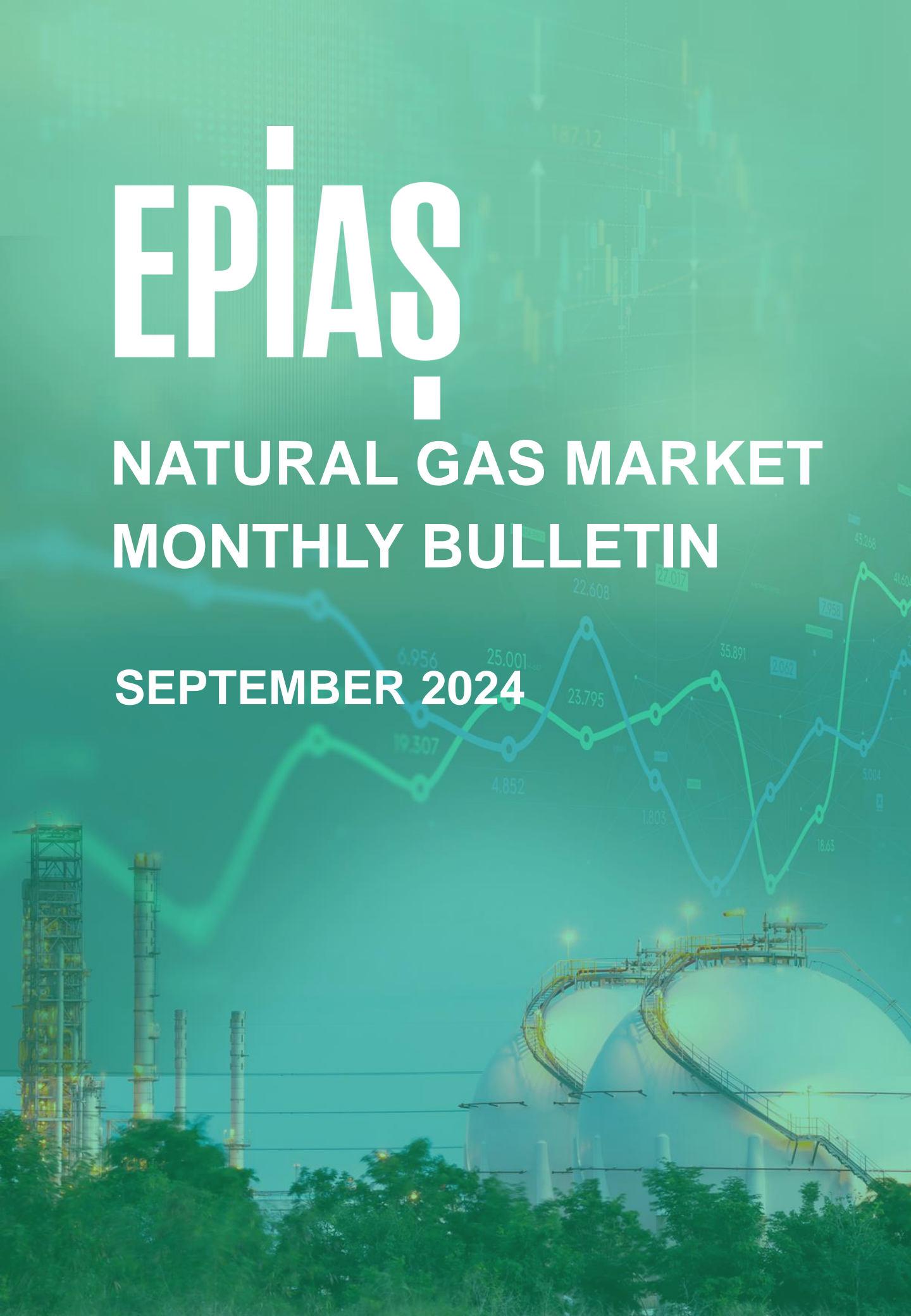


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

SEPTEMBER 2024



SUMMARY DATA (1/2)

Arithmetic Means

	September 2024	August 2024	Monthly Change	September 2023	Annual Change
Number of Ordered Participants	10	9	9.1%	9	7.9%
Number of Trades	10	8	31.7%	10	-4.8%
Number of Orders	29	22	31.6%	28	2.6%
BGSP (TL/'000 Sm ³)	11.378	11.082	2.7%	9.204	23.6%
DRP (TL/'000 Sm ³)	11.977	11.666	2.7%	9.688	23.6%
BGPP (TL/'000 Sm ³)	12.686	12.249	3.6%	10.201	24.4%
Traded Volume (mio.Sm ³)	0,98	1,01	-2.7%	1,43	-31.3%
Transaction Volume (TL)	11.674.233	11.769.218	-0.8%	13.922.252	-16.1%
Gas Entry Volume (mio.Sm ³)	117,51	132,42	-11.3%	107,75	9.1%
Gas Exit Volume (mio.Sm ³)	116,67	132,41	-11.9%	107,80	8.2%
WRP (TL/'000 Sm ³)	0	0	-	0	-

Maximum / Minimum Levels

	September 2024		August 2024		September 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	14	4	12	3	19	4
Number of Ordered Participants	11	9	11	7	12	8
Number of Orders	44	21	30	12	49	19
BGSP (TL/'000 Sm ³)	11.832	8.279	11.552	10.680	10.038	8.837
DRP (TL/'000 Sm ³)	12.455	8.714	12.160	11.242	10.566	9.302
BGPP (TL/'000 Sm ³)	13.078	12.412	12.768	11.804	11.095	9.767
Traded Volume (mio.Sm ³)	2,68	0,29	2,13	0,26	3,54	0,26
Transaction Volume (TL)	32.223.011	3.462.000	24.139.150	2.980.560	37.414.784	2.496.814
Gas Exit Volume (mio.Sm ³)	142,25	95,23	162,28	103,58	130,52	92,00
Gas Entry Volume (mio.Sm ³)	143,30	95,22	161,82	102,86	132,58	90,75
WRP (TL/'000 Sm ³)	0	0	0	0	0	0

SUMMARY DATA (2/2)

Totals

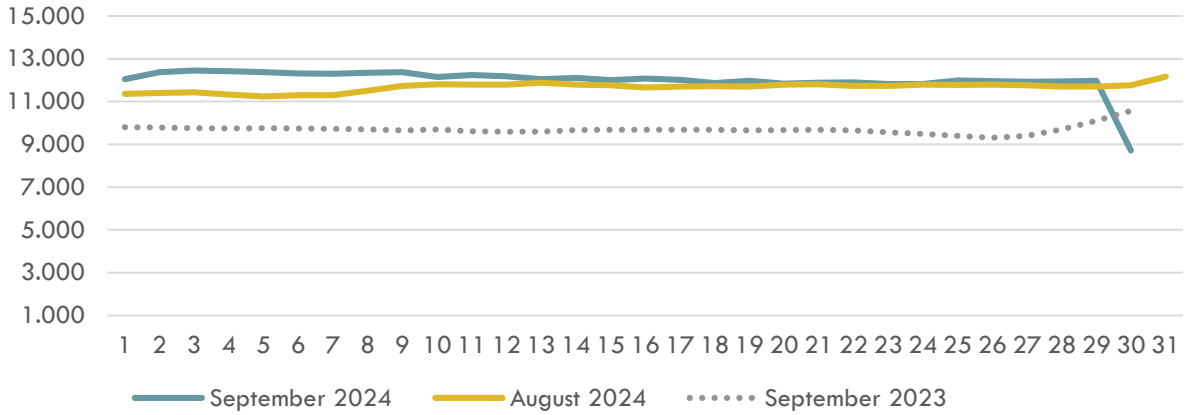
	September 2024	August 2024	Monthly Change	September 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	21	25	-16.3%	24	-10.7%
Total Production of Natural Gas Based Power Plants (MWh)	5.571.320	7.975.998	-30.1%	6.209.927	-10.3%
Total Electricity Generation (MWh)	26.417.062	31.636.601	-16.5%	26.306.658	0.4%
Number of Trades	297	233	27.5%	312	-4.8%
Number of Orders	856	672	27.4%	834	2.6%
Traded Volume (mio.Sm ³)	29,54	31,38	-5.8%	43,00	-31.3%
Transaction Volume (TL)	350.226.989	364.845.745	-4.0%	417.667.547	-16.1%
Gas Entry Volume (mio.Sm ³)	3.525,17	4.104,97	-14.1%	3.232,42	9.1%
Gas Exit Volume (mio.Sm ³)	3.500,24	4.104,59	-14.7%	3.234,08	8.2%

Brent Oil and TTF Prices

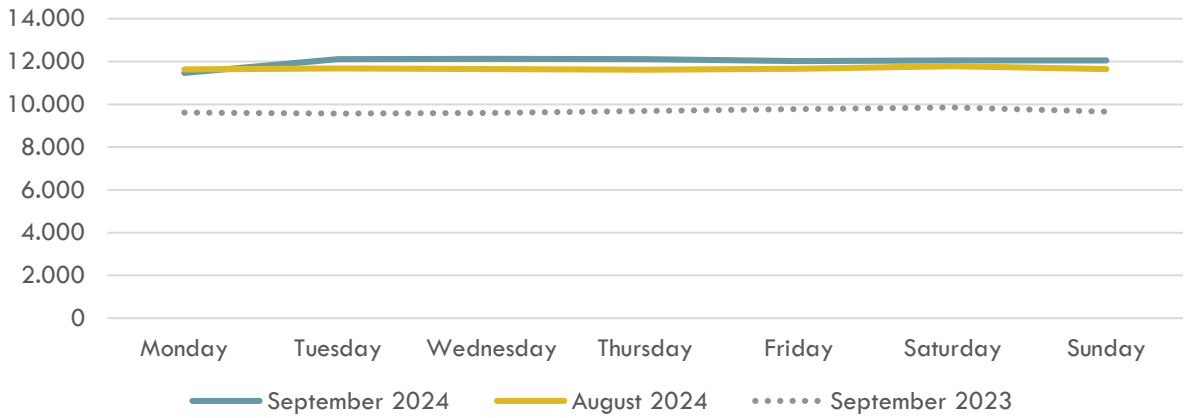
	September 2024	August 2024	Aylık Değişim	September 2023	Yıllık Değişim
Brent Oil (\$/bl)	72,87	78,88	-7.6%	92,59	-21.3%
TTF (€/MWh)	36,25	37,74	-3.9%	36,46	-0.6%

PRICES (1/2)

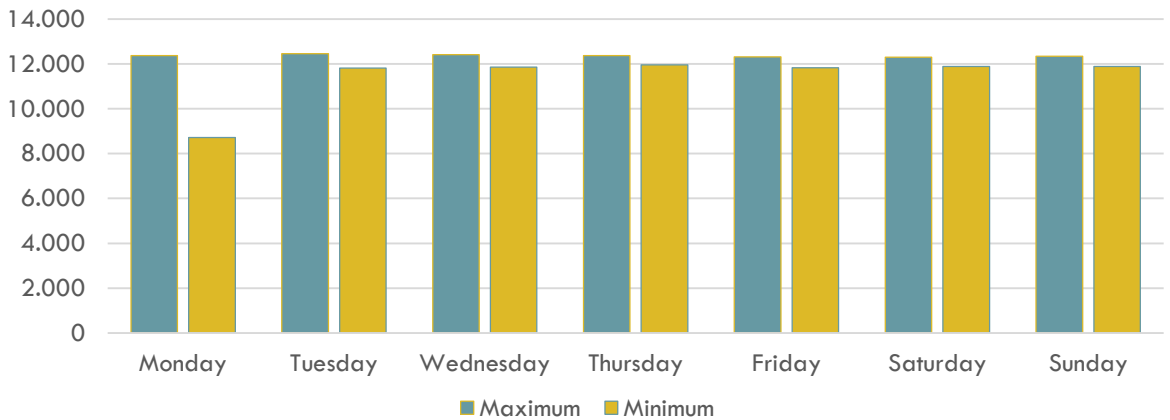
Natural Gas Market DRP (TL/'000 Sm³)



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

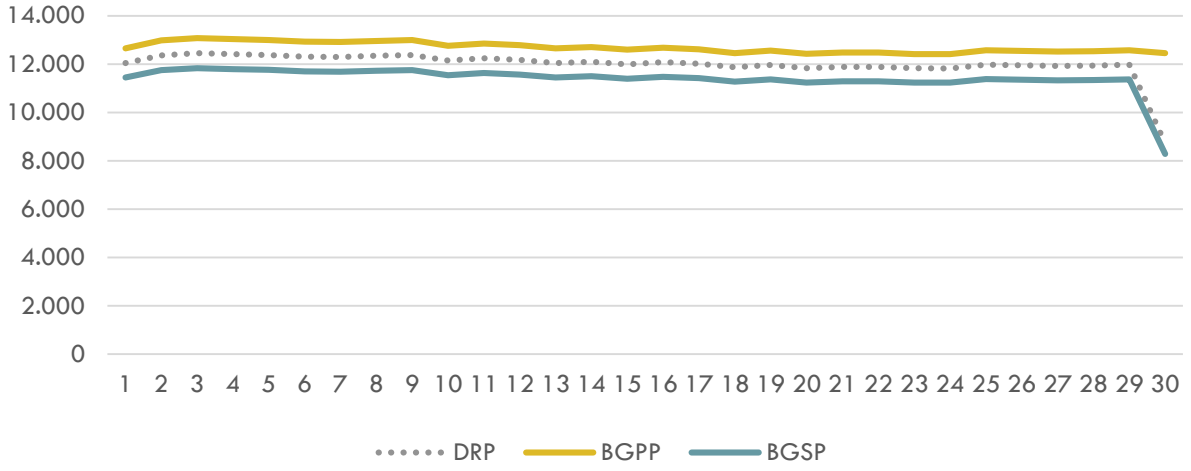


September 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

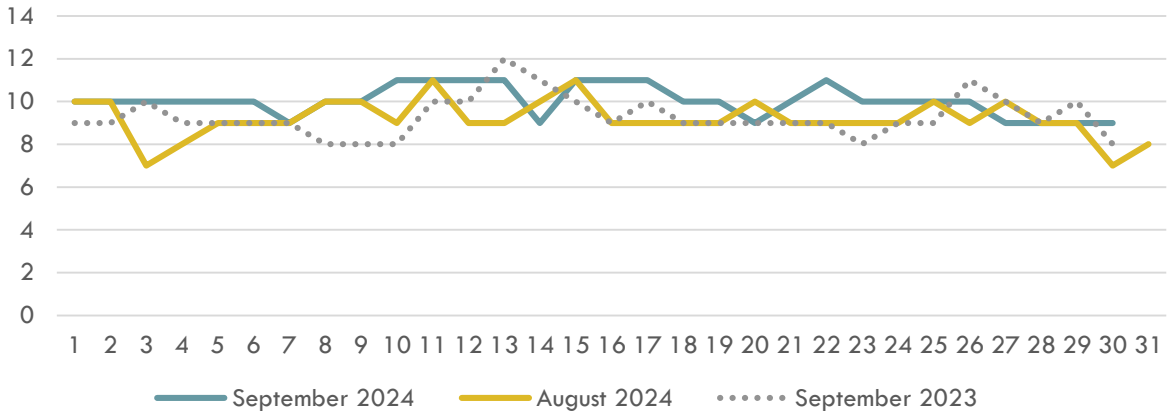
September 2024 DRP - BGPP - BGSP (TL/'000 Sm³)



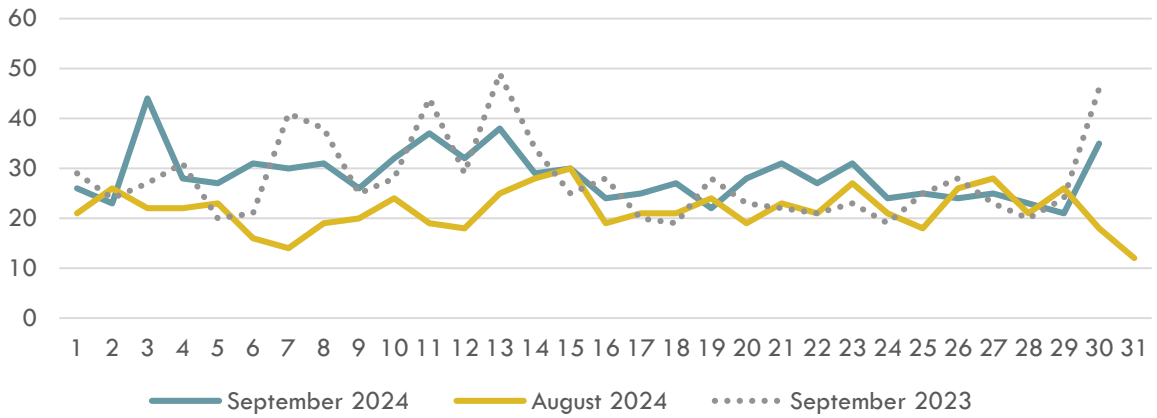
- ✓ The maximum DRP was 12.455 TL on 03 September 2024 Tue; the minimum DRP was realized at the level of 8.714 TL on 30 September 2024 Mon.
- ✓ The Maximum BGPP was 13.078 on 03 September 2024 Tue; the minimum BGPP was realized at the level of 12.412 TL on 24 September 2024 Tue.
- ✓ The maximum BGSP was 11.832 on 03 September 2024 Tue; the minimum BGSP was realized at the level of 8.279 TL on 30 September 2024 Mon.

ORDERS, TRADES, VOLUMES (1/3)

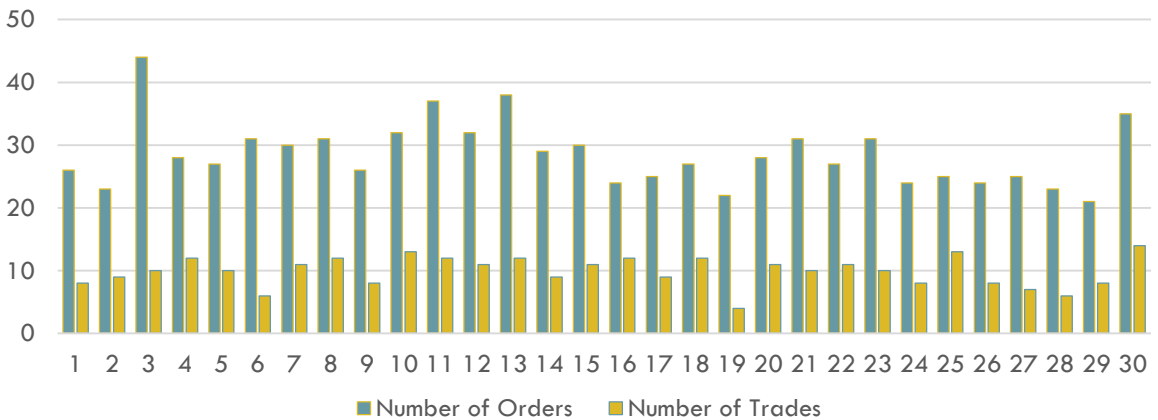
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

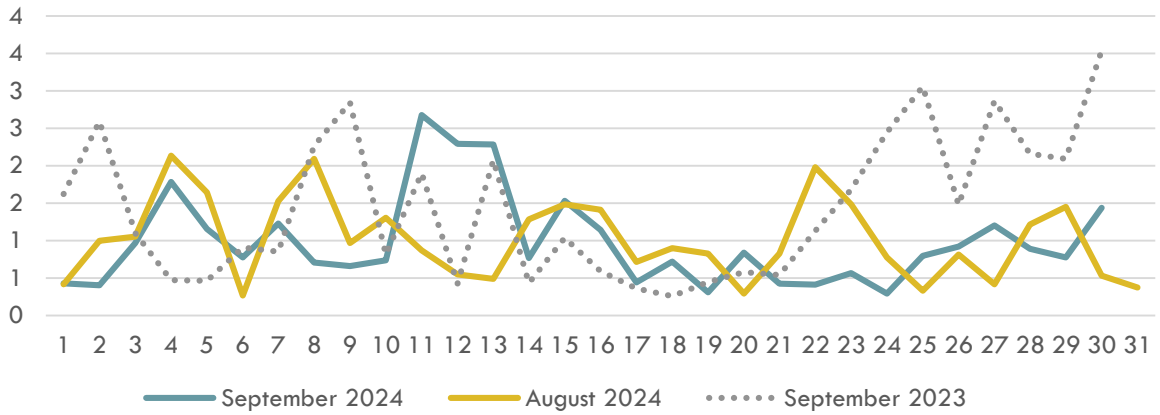


September 2024 Natural Gas Market Number of Orders and Trades

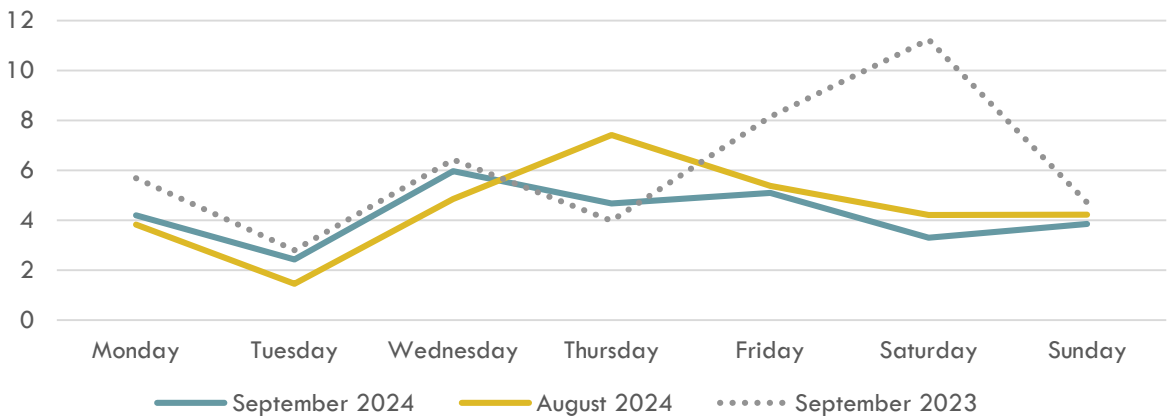


ORDERS, TRADES, VOLUMES (2/3)

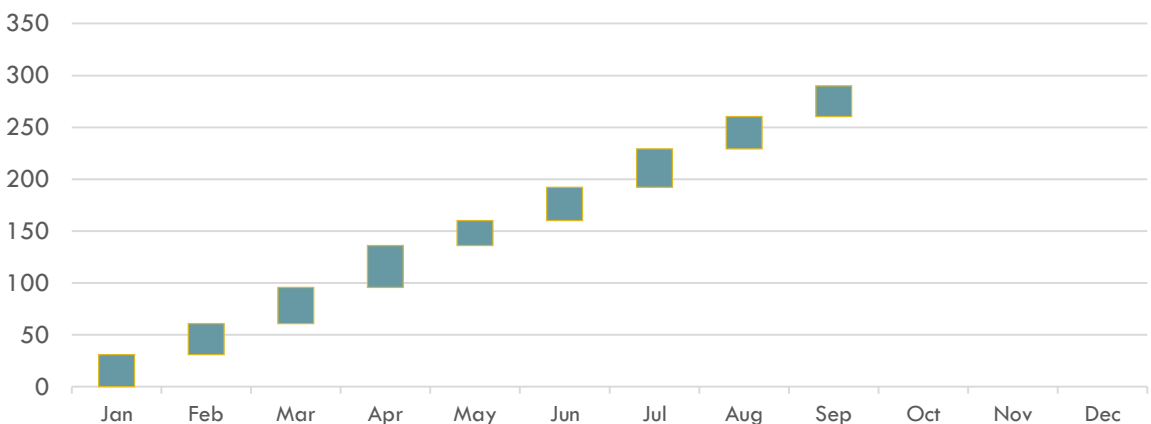
Natural Gas Market Trade Volume (mio.Sm³)



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

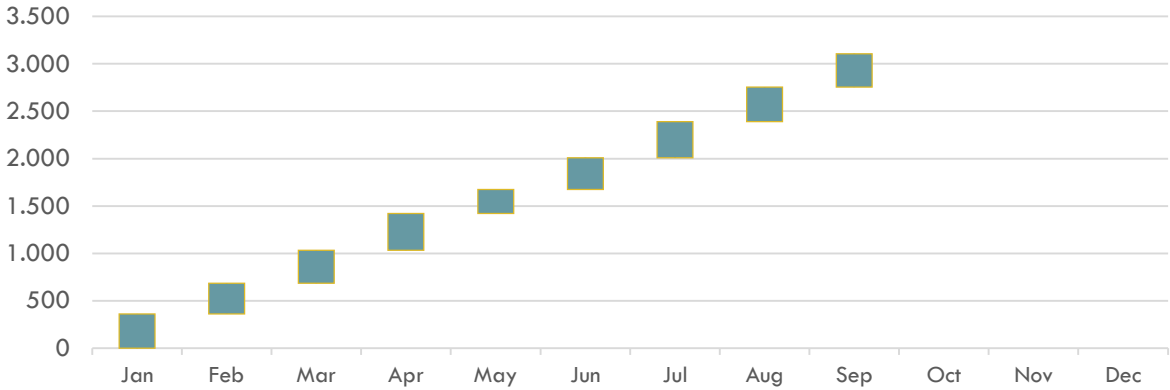


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm³)

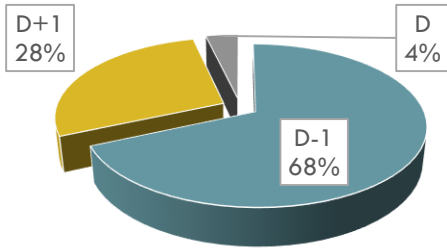


ORDERS, TRADES, VOLUMES (3/3)

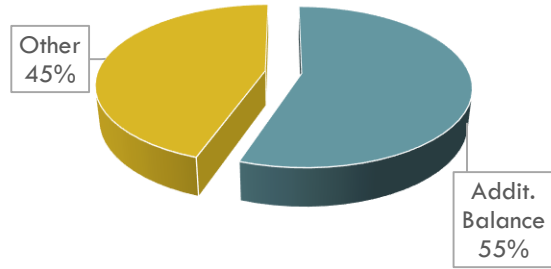
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for September 2024 Period by Sessions



Additional Balancing Traded Volume for September 2024 Period



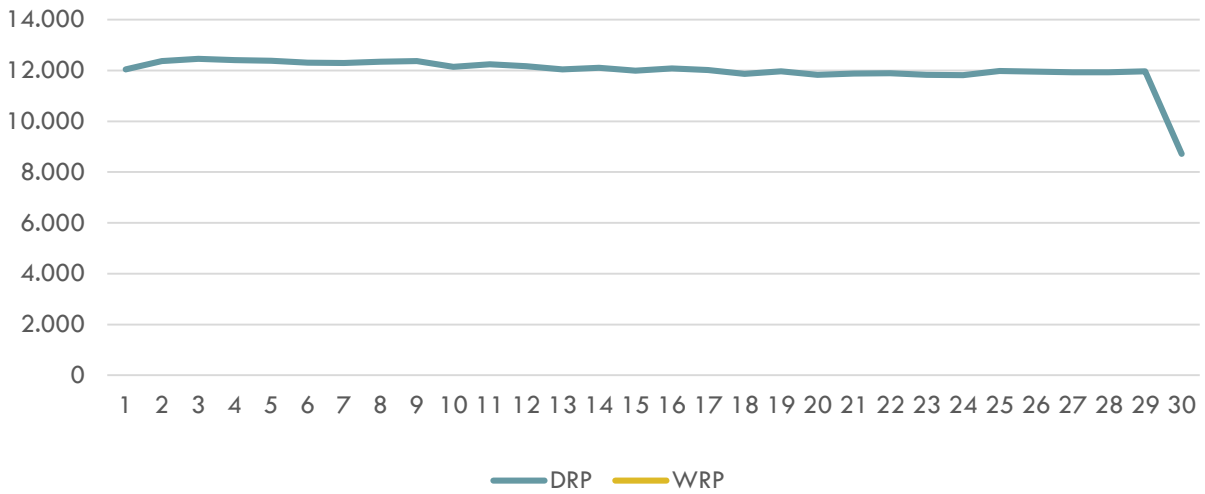
- ✓ The maximum total traded volume was 2.675 sm³ on 11 September 2024 Wed; the minimum total traded volume was realized at the level of 293 sm³ on 24 September 2024 Tue.
- ✓ The maximum total transaction volume was 32.223.011 TL on 11 September 2024 Wed; the minimum total transaction volume was realized at the level of 3.462.000 TL on 24 September 2024 Tue.
- ✓ The maximum d-1 traded volume was 1.743.000 sm³ on 11 September 2024 Wed; the minimum d-1 traded amount was realized at the level of 154.000 sm³ on 23 September 2024 Mon.
- ✓ The maximum d-1 traded volume was 21.337.491 TL on 11 September 2024 Wed; the minimum d-1 traded amount was realized at the level of 1.825.530 TL on 23 September 2024 Mon.
- ✓ The maximum d traded volume was 200.000 sm³ on 23 September 2024 Mon; the minimum d traded amount was realized at the level of 0 sm³ on 05 September 2024 Thu.
- ✓ The maximum d traded volume was 2.360.000 TL on 23 September 2024 Mon; the minimum d traded amount was realized at the level of 0 TL on 05 September 2024 Thu.
- ✓ The maximum d+1 traded volume was 932.000 sm³ on 11 September 2024 Wed; the minimum d+1 traded amount was realized at the level of 16.000 sm³ on 27 September 2024 Fri.
- ✓ The maximum d+1 traded volume was 10.885.520 TL on 11 September 2024 Wed; the minimum d+1 traded amount was realized at the level of 190.768 TL on 27 September 2024 Fri.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,8% in September 2024.
- ✓ Sgm share in virtual trade was realized at 17,7% in September 2024.

WEEKLY PRODUCTS (1/2)

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

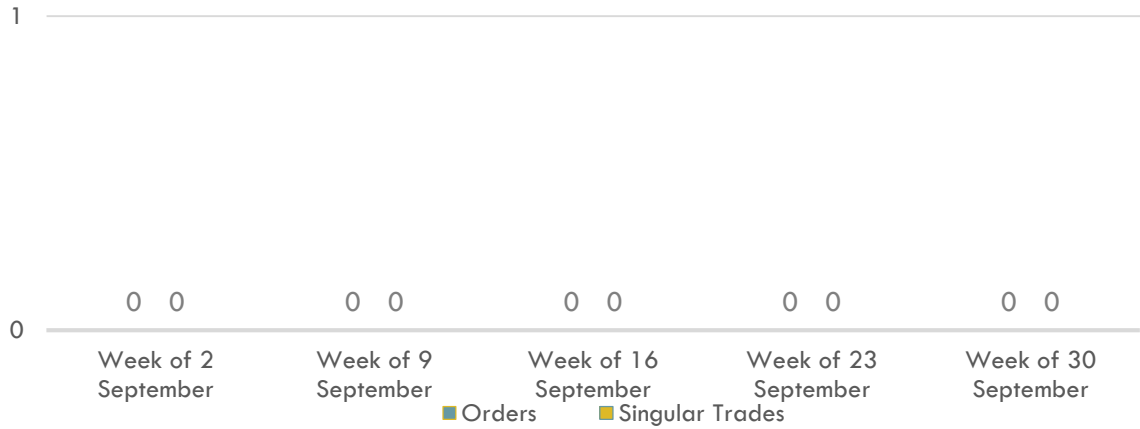


September 2024 DRP - WRP (TL/'000 Sm³)

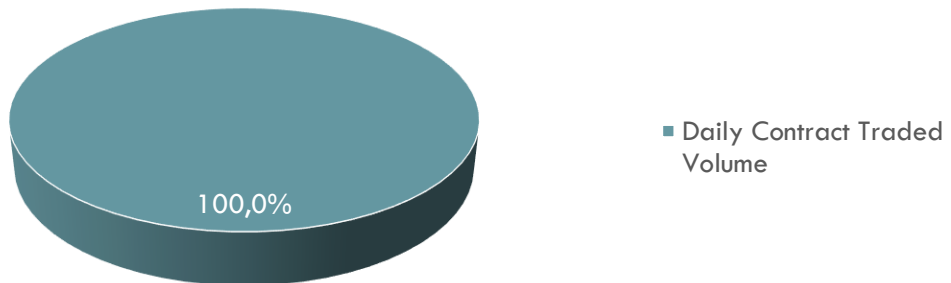


WEEKLY PRODUCTS (2/2)

September 2024 Weekly Products Number of Orders and Trades



September 2024 Traded Volume Distribution by Contract Type



SGM

Last 1 Year Trades

Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
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
Sep 2024	29,54	350.226.989

SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
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%
Sep 2024	0,8%	17,7%

GAS FUTURES MARKET (1/1)

Daily Indicator Price For Contracts (TL)

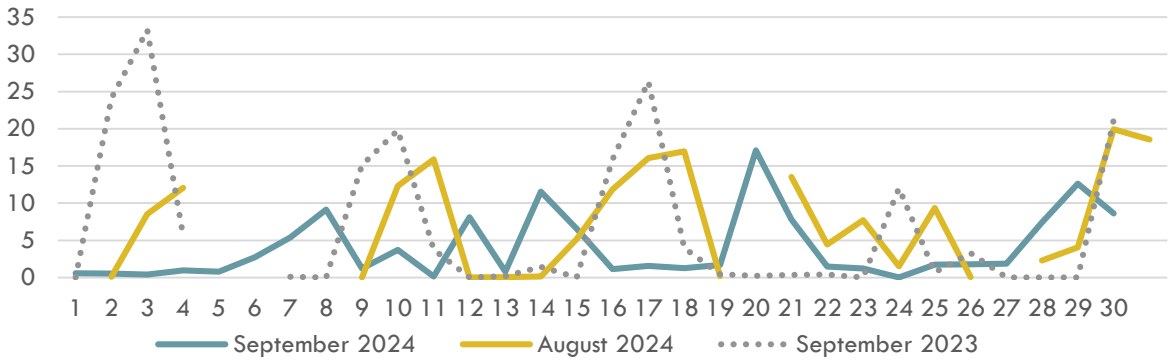
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2410	15.740	15.740	15.740
GM2411	16.561	16.561	16.561
GM2412	15.531	15.531	15.531
GM2501	16.554	16.554	16.554
GM2502	18.653	18.653	18.653
GM2503	15.375	15.375	15.375
GM2504	17.609	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
GM2510	16.819	16.819	16.819
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
GQ2504	20.416	20.416	20.416
GY25	18.329	18.329	18.329

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

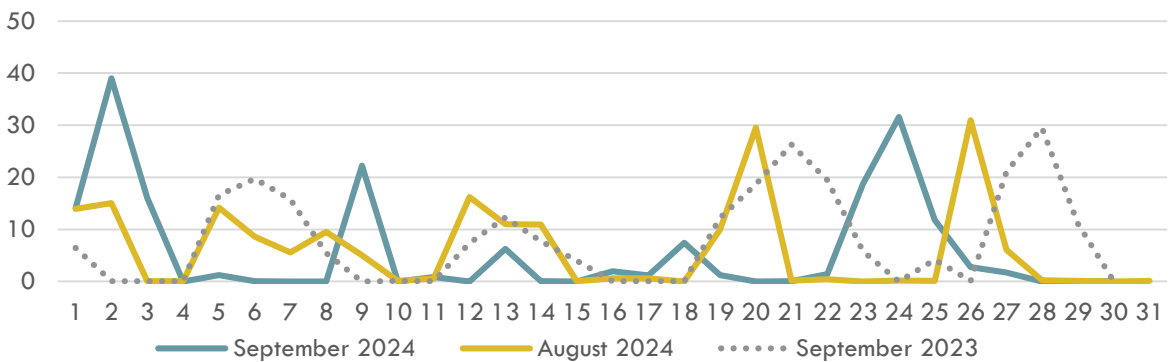
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

TRANSMISSION SYSTEM DATA (1/2)

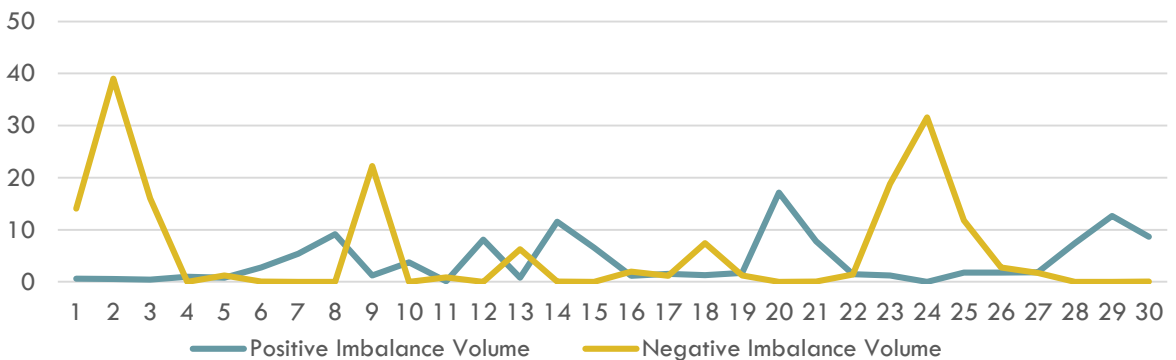
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



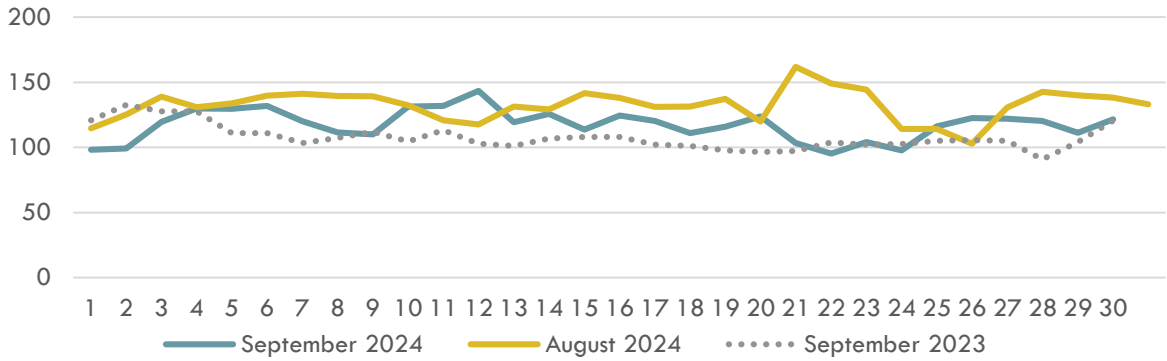
September 2024 Period Negative and Positive Imbalance Volume (mio.Sm³)



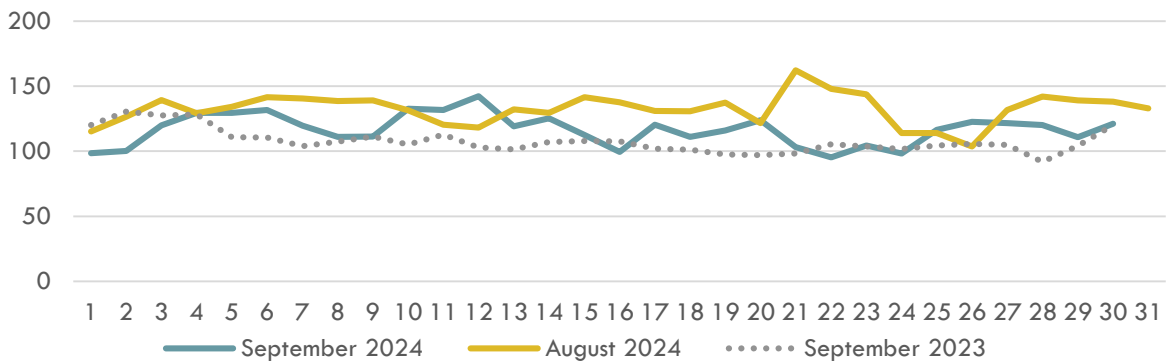
- ✓ The maximum positive imbalance volume was 17.109.391 sm³ on 20 September 2024 Fri; the minimum positive imbalance volume was realized at the level of 6.899 sm³ on 24 September 2024 Tue.
- ✓ The maximum negative imbalance volume was 38.991.037 sm³ on 02 September 2024 Mon; the minimum negative imbalance volume was realized at the level of 1.323 sm³ on 12 September 2024 Thu.

TRANSMISSION SYSTEM DATA (2/2)

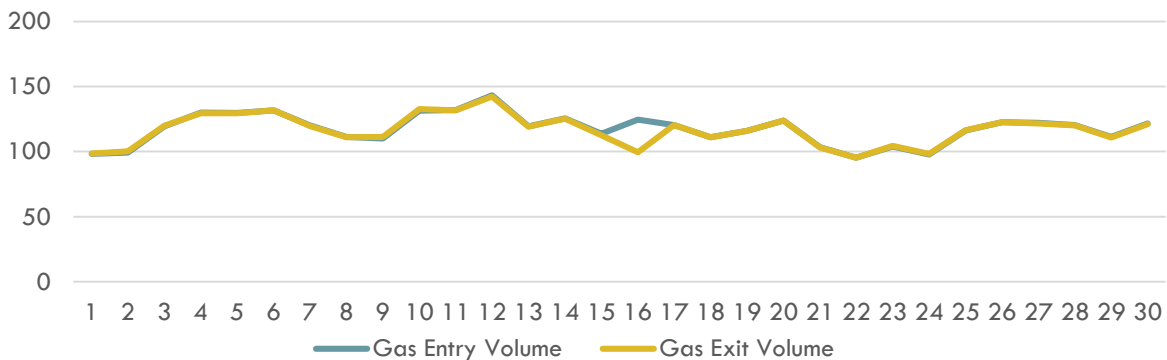
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 12 September 2024 Thu was 143.297.243 sm³; minimum gas entry volume on 22 September 2024 Sun was 95.216.284 sm³ levels.
- ✓ Maximum gas exit volume realized on 12 September 2024 Thu was 142.252.243 sm³; minimum gas exit volume 22 September 2024 Sun was 95.225.397 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 21 September 2024 Sat was 419.776.811 sm³; minimum stok gas volume 10 September 2024 Tue was 416.978.417 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.09.2024	146	12.069	Purchase
02.09.2024	151	12.540	Purchase
03.09.2024	388	12.487	Purchase
04.09.2024	1.236	12.419	Purchase
05.09.2024	877	12.381	Purchase
06.09.2024	625	12.311	Purchase
07.09.2024	776	12.298	Purchase
08.09.2024	439	12.378	Purchase
09.09.2024	386	12.373	Purchase
10.09.2024	219	12.298	Purchase
11.09.2024	1.648	12.242	Purchase
12.09.2024	1.374	12.189	Purchase
13.09.2024	1.253	12.048	Purchase
14.09.2024	362	12.100	Purchase
15.09.2024	1.147	12.020	Purchase
16.09.2024	186	12.092	Purchase
17.09.2024	154	12.016	Purchase
18.09.2024	125	12.000	Purchase
19.09.2024	161	11.964	Purchase
20.09.2024	146	11.920	Purchase
21.09.2024	221	11.935	Purchase
22.09.2024	114	11.856	Purchase
23.09.2024	109	11.854	Purchase
24.09.2024	123	11.859	Purchase
25.09.2024	552	11.982	Purchase
26.09.2024	630	11.968	Purchase
27.09.2024	1.004	11.932	Purchase
28.09.2024	688	11.934	Purchase
29.09.2024	486	12.000	Purchase
30.09.2024	625	12.078	

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 1.648.000 sm³ on 11 September 2024 Wed; additional balancing transactions with a minimum code of 1 were realized at the level of 109.000 sm³ on 23 September 2024 Mon.
- ✓ In September, no additional balancing transaction code of 2 was realized.
- ✓ In September, no additional balancing transaction code of 3 was realized.
- ✓ In September, no additional balancing transaction code of 4 was realized.