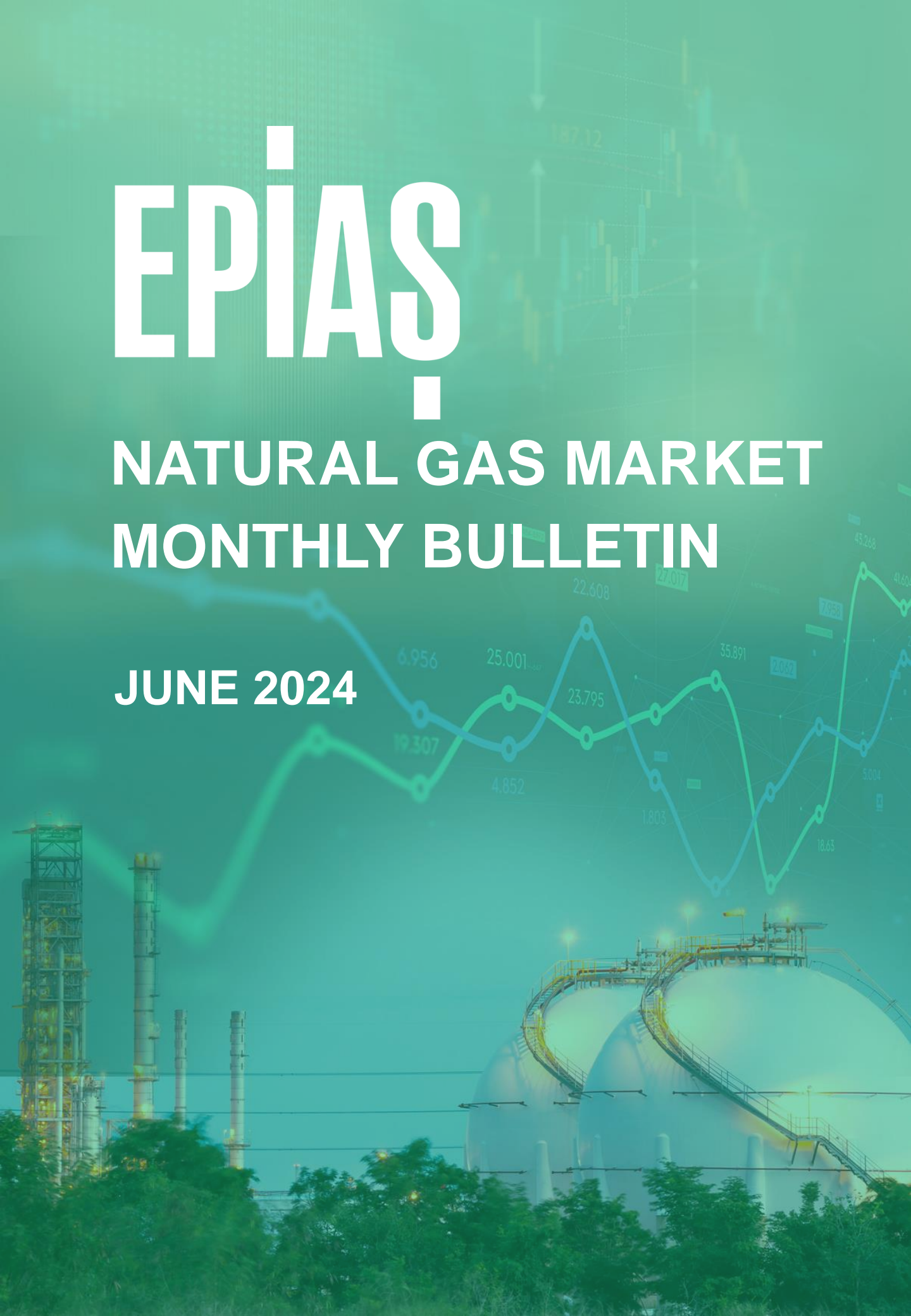


# EPIAS

## NATURAL GAS MARKET MONTHLY BULLETIN

JUNE 2024



## SUMMARY DATA (1/2)

## Arithmetic Means

	June 2024	May 2024	Monthly Change	June 2023	Annual Change
Number of Ordered Participants	<b>7</b>	7	-7.0%	8	-19.1%
Number of Trades	<b>5</b>	5	-3.1%	10	-52.6%
Number of Orders	<b>15</b>	19	-17.5%	21	-26.4%
BGSP (TL/'000 Sm <sup>3</sup> )	<b>10.001</b>	9.966	0.3%	8.118	23.2%
DRP (TL/'000 Sm <sup>3</sup> )	<b>10.527</b>	10.490	0.3%	8.546	23.2%
BGPP (TL/'000 Sm <sup>3</sup> )	<b>11.054</b>	11.015	0.4%	8.973	23.2%
Traded Volume (mio.Sm <sup>3</sup> )	<b>1,07</b>	0,78	37.3%	4,23	-74.7%
Transaction Volume (TL)	<b>11.199.360</b>	8.111.801	38.1%	36.905.074	-69.7%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>89,05</b>	103,91	-14.3%	78,04	14.1%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>88,95</b>	103,95	-14.4%	78,41	13.4%
WRP (TL/'000 Sm <sup>3</sup> )	<b>10.518</b>	0	-	0	-

## Maximum / Minimum Levels

	June 2024		May 2024		June 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	<b>10</b>	<b>1</b>	8	3	17	4
Number of Ordered Participants	<b>9</b>	<b>5</b>	9	6	10	6
Number of Orders	<b>25</b>	<b>8</b>	25	14	38	10
BGSP (TL/'000 Sm <sup>3</sup> )	<b>10.240</b>	<b>9.875</b>	10.232	9.732	8.716	7.589
DRP (TL/'000 Sm <sup>3</sup> )	<b>10.779</b>	<b>10.395</b>	10.770	10.244	9.174	7.989
BGPP (TL/'000 Sm <sup>3</sup> )	<b>11.318</b>	<b>10.915</b>	11.309	10.757	9.633	8.388
Traded Volume (mio.Sm <sup>3</sup> )	<b>2,52</b>	<b>0,12</b>	1,74	0,24	9,86	0,44
Transaction Volume (TL)	<b>25.085.218</b>	<b>1.242.540</b>	18.188.778	2.492.094	87.445.400	3.520.589
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>114,88</b>	<b>51,29</b>	127,76	77,59	108,09	40,26
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>115,65</b>	<b>51,29</b>	127,87	78,65	113,72	39,56
WRP (TL/'000 Sm <sup>3</sup> )	<b>10.518</b>	<b>10.518</b>	0	0	0	0

## SUMMARY DATA (2/2)

## Totals

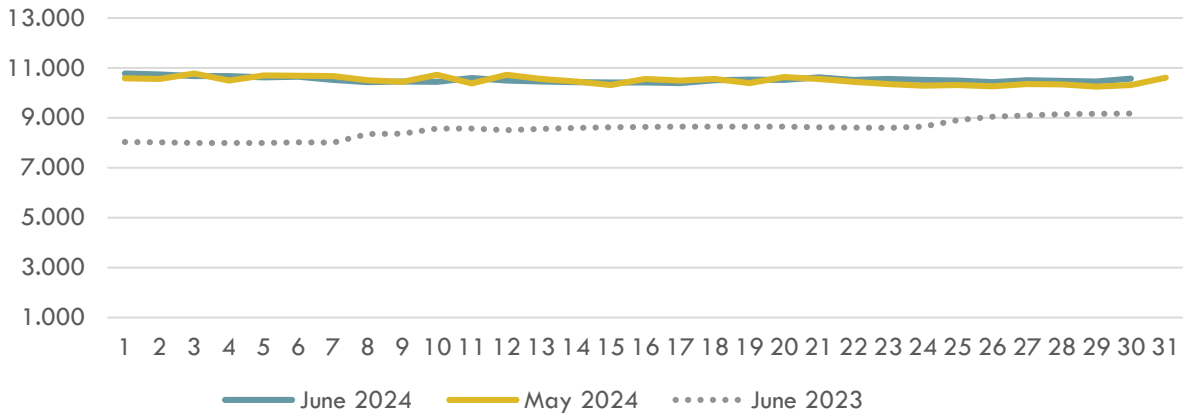
	June 2024	May 2024	Monthly Change	June 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	<b>16</b>	13	25.9%	8	88.7%
Total Production of Natural Gas Based Power Plants (MWh)	<b>4.263.741</b>	3.194.392	33.5%	1.959.497	117.6%
Total Electricity Generation (MWh)	<b>26.707.681</b>	25.198.121	6.0%	23.164.433	15.3%
Number of Trades	<b>132</b>	145	-9.0%	287	-54.0%
Number of Orders	<b>460</b>	576	-20.1%	625	-26.4%
Traded Volume (mio.Sm <sup>3</sup> )	<b>32,16</b>	24,20	32.9%	126,96	-74.7%
Transaction Volume (TL)	<b>335.980.805</b>	251.465.820	33.6%	1.107.152.226	-69.7%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>2.671,56</b>	3.221,09	-17.1%	2.341,10	14.1%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>2.668,41</b>	3.222,58	-17.2%	2.352,25	13.4%

## Brent Oil and TTF Prices

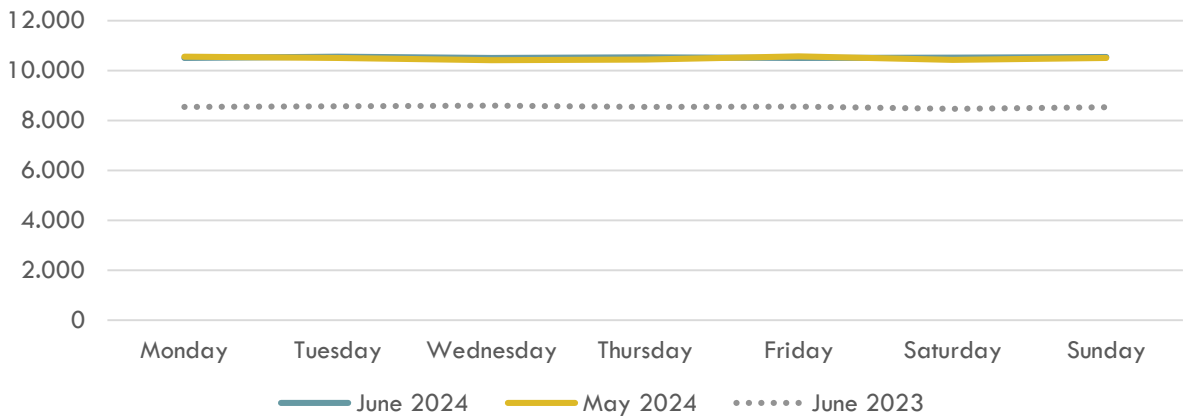
	June 2024	May 2024	Aylık Değişim	June 2023	Yıllık Değişim
Brent Oil (\$/bl)	<b>83,00</b>	83,00	0.0%	74,98	10.7%
TTF (€/MWh)	<b>34,16</b>	31,54	8.3%	31,94	7.0%

PRICES (1/2)

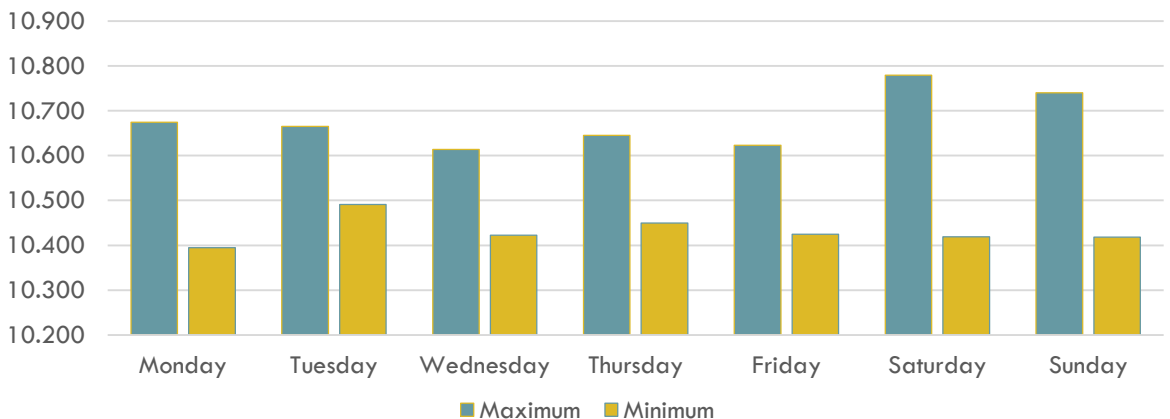
Natural Gas Market DRP (TL/'000 Sm<sup>3</sup>)



Natural Gas Market By Days DRP (TL/'000 Sm<sup>3</sup>)

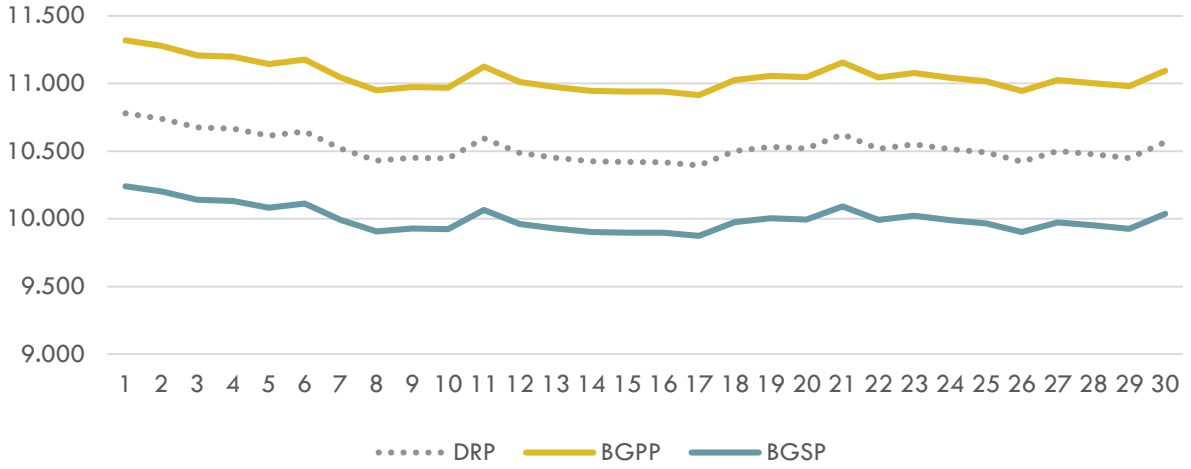


June 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm<sup>3</sup>)



**PRICES (2/2)**

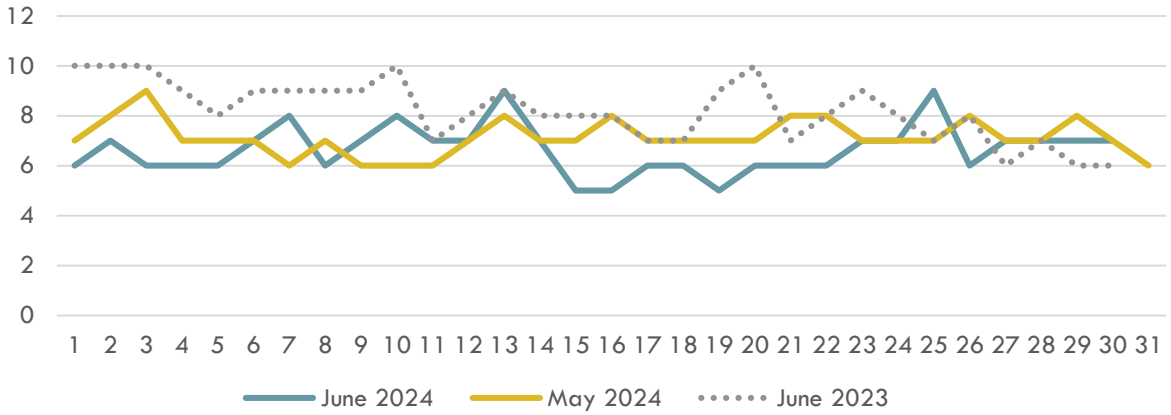
June 2024 DRP - BGPP - BGSP (TL/‘000 Sm<sup>3</sup>)



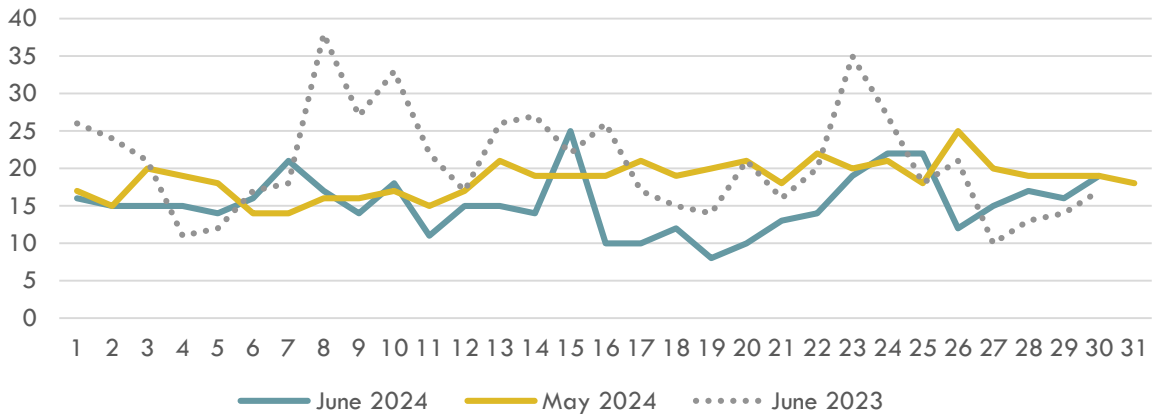
- ✓ The maximum DRP was 10.779 TL on 01 June 2024 Sat; the minimum DRP was realized at the level of 10.395 TL on 17 June 2024 Mon.
- ✓ The Maximum BGPP was 11.318 on 01 June 2024 Sat; the minimum BGPP was realized at the level of 10.915 TL on 17 June 2024 Mon.
- ✓ The maximum BGSP was 10.240 on 01 June 2024 Sat; the minimum BGSP was realized at the level of 9.875 TL on 17 June 2024 Mon.

ORDERS, TRADES, VOLUMES (1/3)

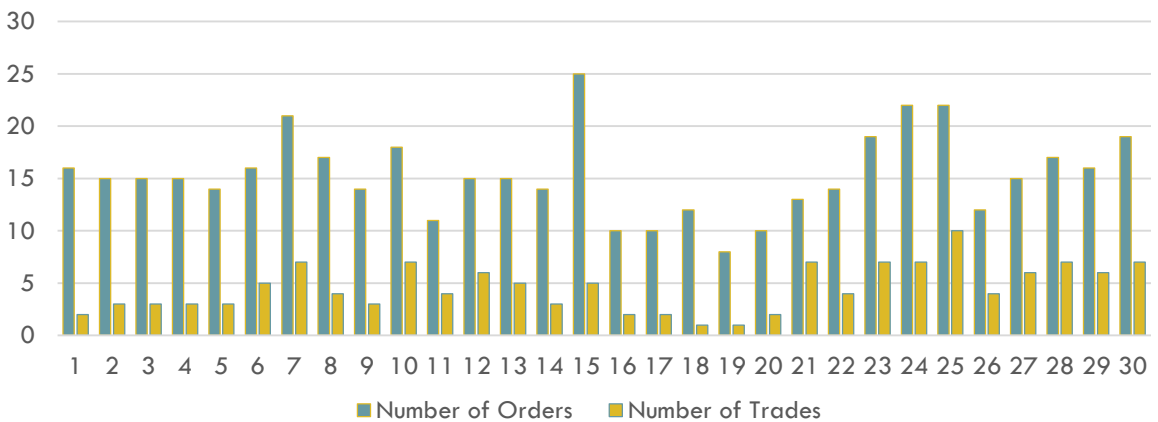
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

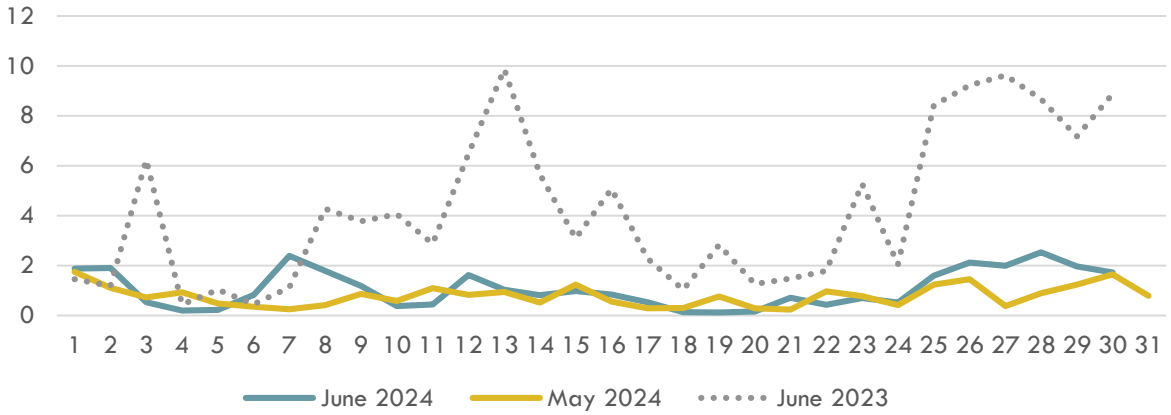


June 2024 Natural Gas Market Number of Orders and Trades

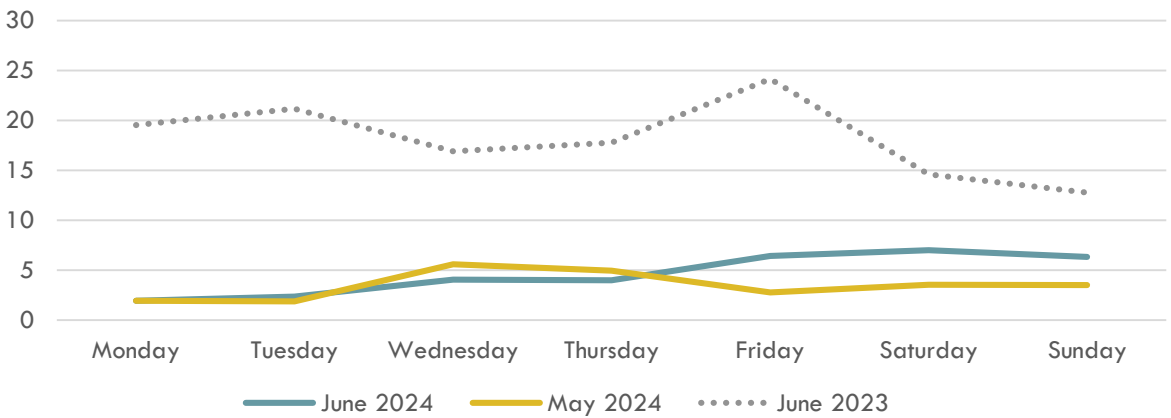


**ORDERS, TRADES, VOLUMES (2/3)**

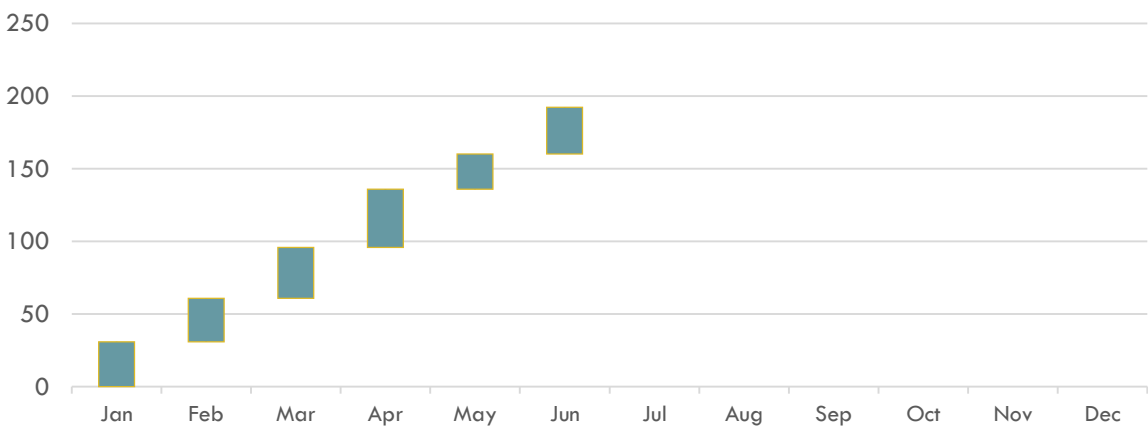
Natural Gas Market Trade Volume (mio.Sm<sup>3</sup>)



Natural Gas Market By Days Trade Volume (mio.Sm<sup>3</sup>)

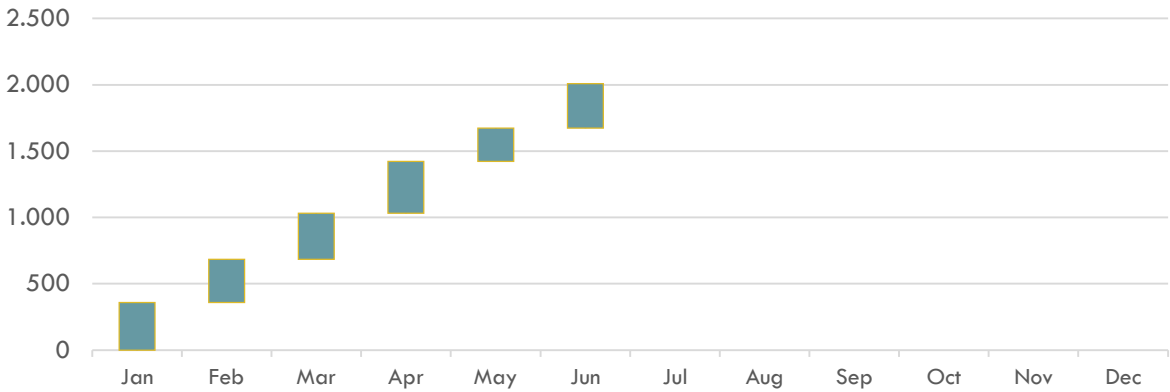


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm<sup>3</sup>)

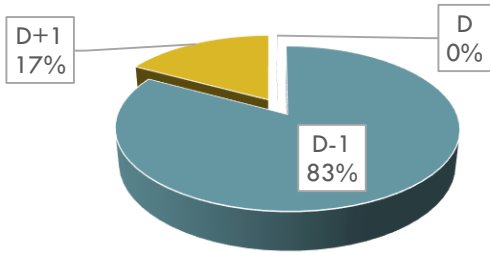


### ORDERS, TRADES, VOLUMES (3/3)

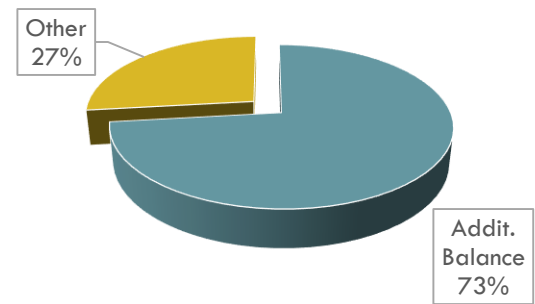
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for June 2024 Period by Sessions



Additional Balancing Traded Volume for June 2024 Period

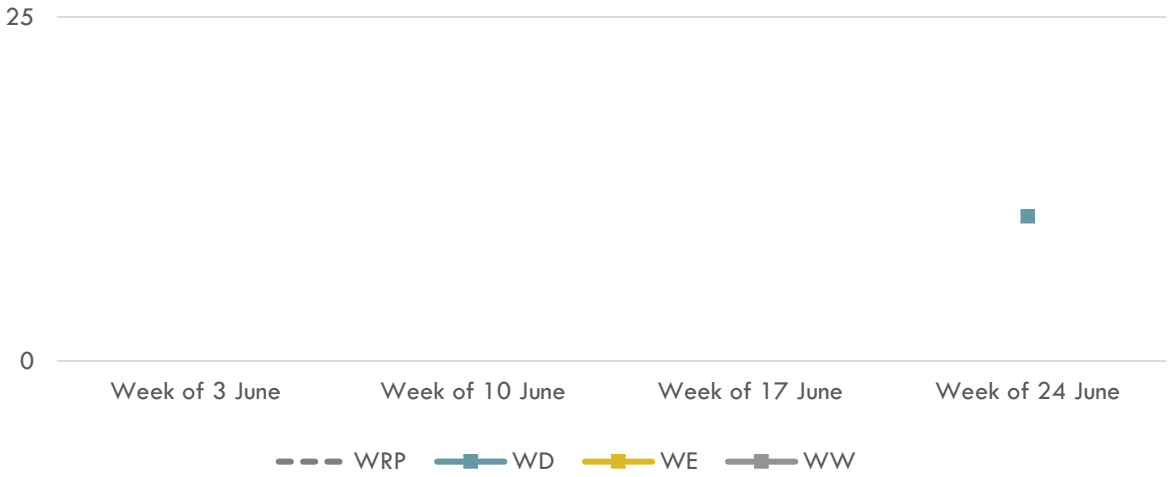


- ✓ The maximum total traded volume was 2.523 sm<sup>3</sup> on 28 June 2024 Fri; the minimum total traded volume was realized at the level of 118 sm<sup>3</sup> on 19 June 2024 Wed.
- ✓ The maximum total transaction volume was 25.085.218 TL on 07 June 2024 Fri; the minimum total transaction volume was realized at the level of 1.242.540 TL on 19 June 2024 Wed.
- ✓ The maximum d-1 traded volume was 2.340.000 sm<sup>3</sup> on 07 June 2024 Fri; the minimum d-1 traded amount was realized at the level of 118.000 sm<sup>3</sup> on 19 June 2024 Wed.
- ✓ The maximum d-1 traded volume was 24.613.500 TL on 07 June 2024 Fri; the minimum d-1 traded amount was realized at the level of 1.242.540 TL on 19 June 2024 Wed.
- ✓ The maximum d traded volume was 40.000 sm<sup>3</sup> on 10 June 2024 Mon; the minimum d traded amount was realized at the level of 0 sm<sup>3</sup> on 01 June 2024 Sat.
- ✓ The maximum d traded volume was 417.800 TL on 10 June 2024 Mon; the minimum d traded amount was realized at the level of 0 TL on 01 June 2024 Sat.
- ✓ The maximum d+1 traded volume was 1.328.000 sm<sup>3</sup> on 28 June 2024 Fri; the minimum d+1 traded amount was realized at the level of 0 sm<sup>3</sup> on 01 June 2024 Sat.
- ✓ The maximum d+1 traded volume was 13.280.477 TL on 28 June 2024 Fri; the minimum d+1 traded amount was realized at the level of 0 TL on 01 June 2024 Sat.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 1,2% in June 2024.
- ✓ Sgm share in virtual trade was realized at 20,8% in June 2024.

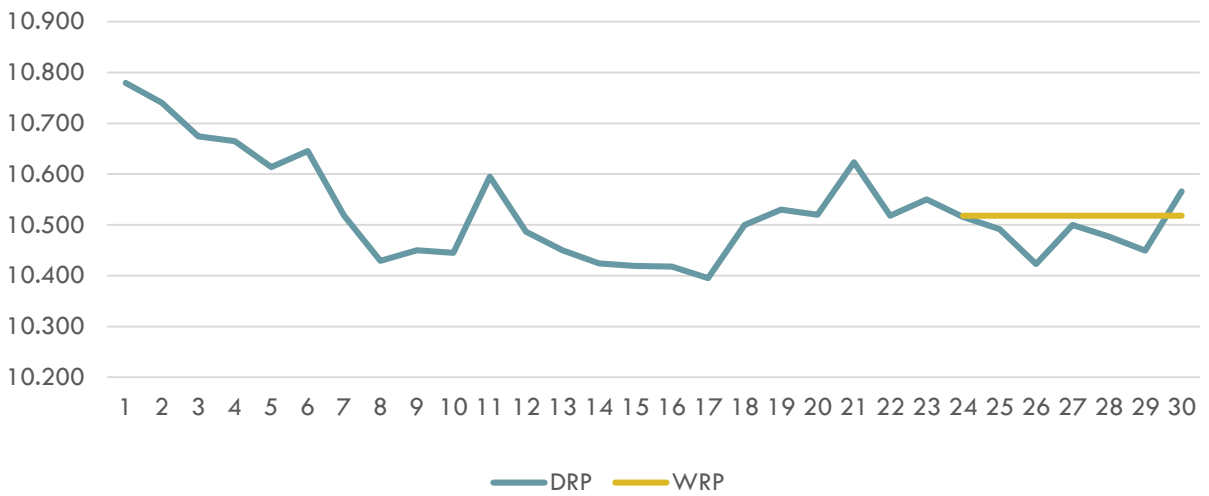


WEEKLY PRODUCTS (1/2)

June 2024 WRP - WD - WE - WW (TL/'000 Sm<sup>3</sup>)

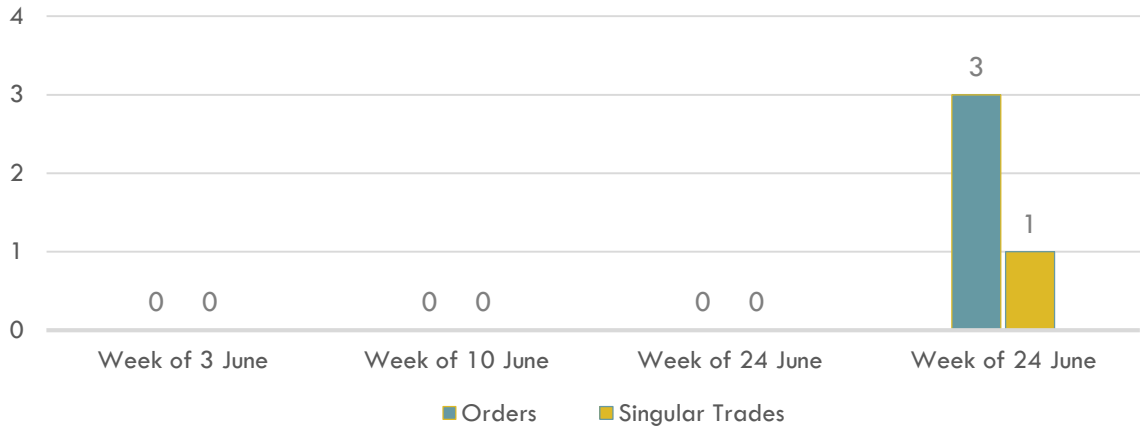


June 2024 DRP - WRP (TL/'000 Sm<sup>3</sup>)

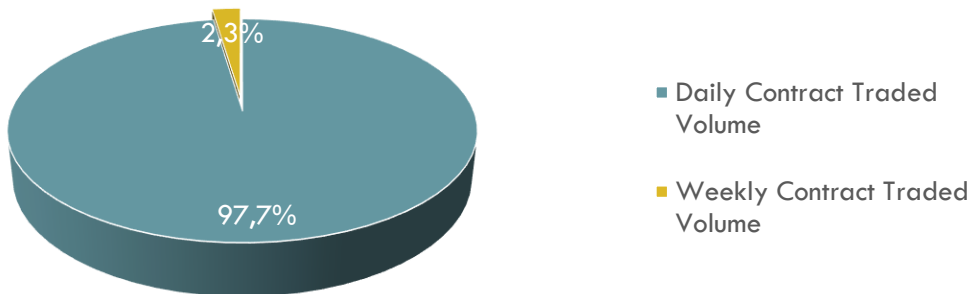


## WEEKLY PRODUCTS (2/2)

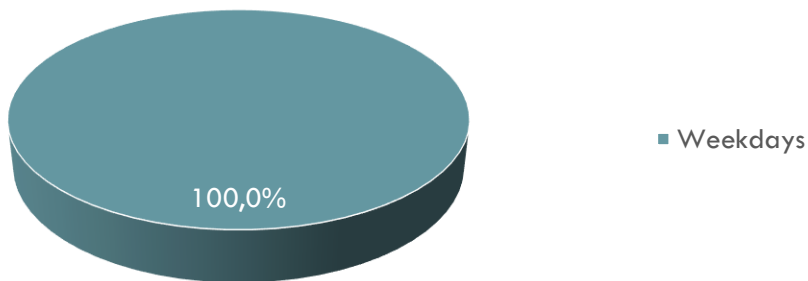
June 2024 Weekly Products Number of Orders and Trades



June 2024 Traded Volume Distribution by Contract Type



June 2024 Distribution of Single Number of Trades by Weekly Product Types



## SGM

## Last 1 Year Trades

Period	Traded Volume (mio.Sm <sup>3</sup> )	Traded Amount (TL)
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
Jun 2024	32,16	335.980.805

## SGM's share in Total Cons. and Virtual Trade

Period	Total Consumption (%)	Virtual Trade (%)
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%
Jun 2024	1,2%	20,8%

## GAS FUTURES MARKET (1/1)

## Daily Indicator Price For Contracts (TL)

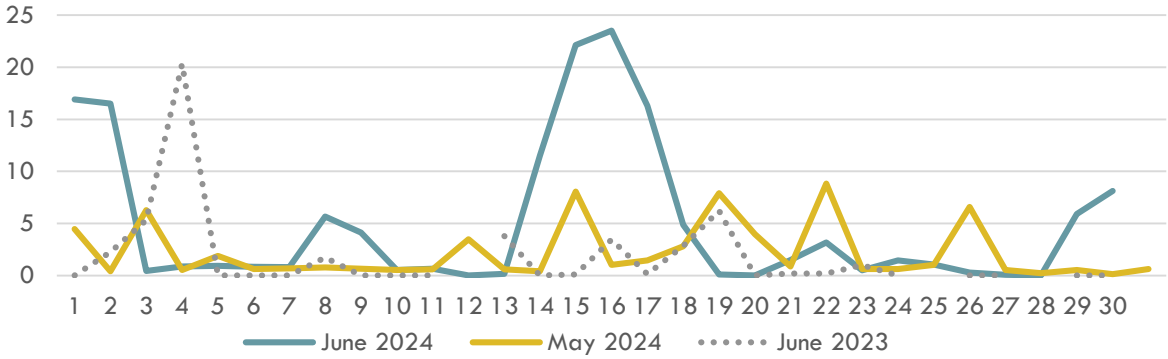
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
-	0	0	0

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

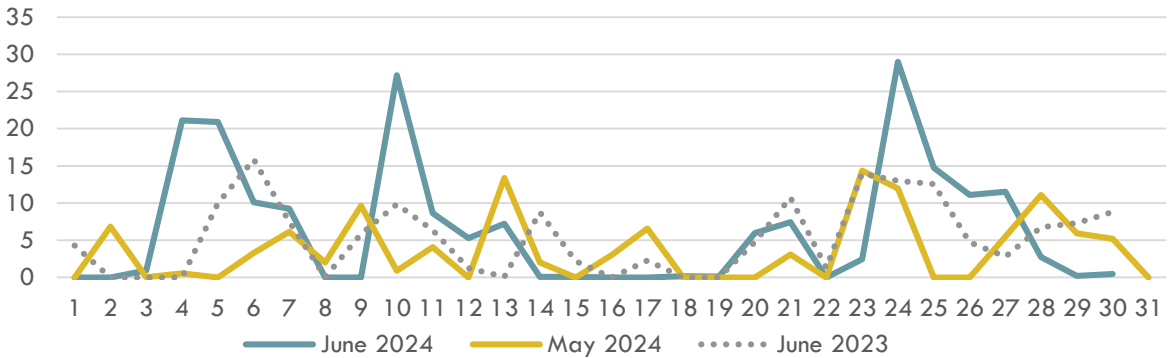
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

### TRANSMISSION SYSTEM DATA (1/2)

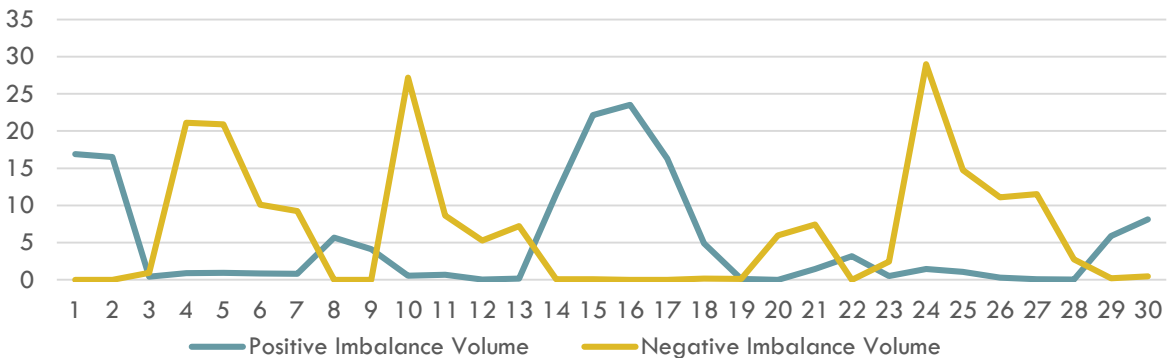
Natural Gas Market Positive Imbalance Volume (mio.Sm<sup>3</sup>)



Natural Gas Market Negative Imbalance Volume (mio.Sm<sup>3</sup>)



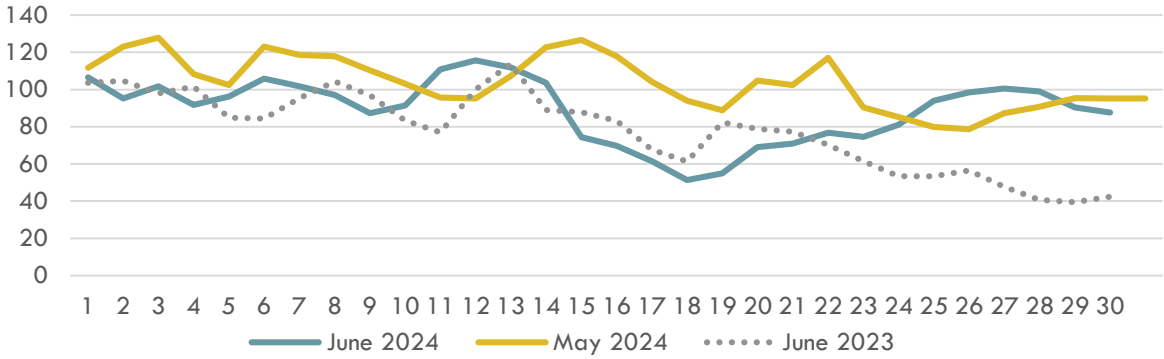
June 2024 Period Negative and Positive Imbalance Volume (mio.Sm<sup>3</sup>)



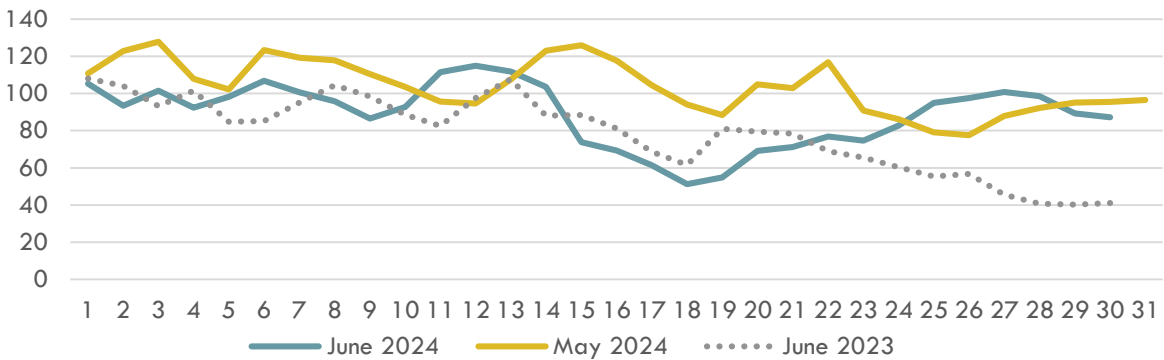
- ✓ The maximum positive imbalance volume was 23.521.656 sm<sup>3</sup> on 16 June 2024 Sun; the minimum positive imbalance volume was realized at the level of 7.033 sm<sup>3</sup> on 20 June 2024 Thu.
- ✓ The maximum negative imbalance volume was 28.964.346 sm<sup>3</sup> on 24 June 2024 Mon; the minimum negative imbalance volume was realized at the level of 601 sm<sup>3</sup> on 02 June 2024 Sun.

TRANSMISSION SYSTEM DATA (2/2)

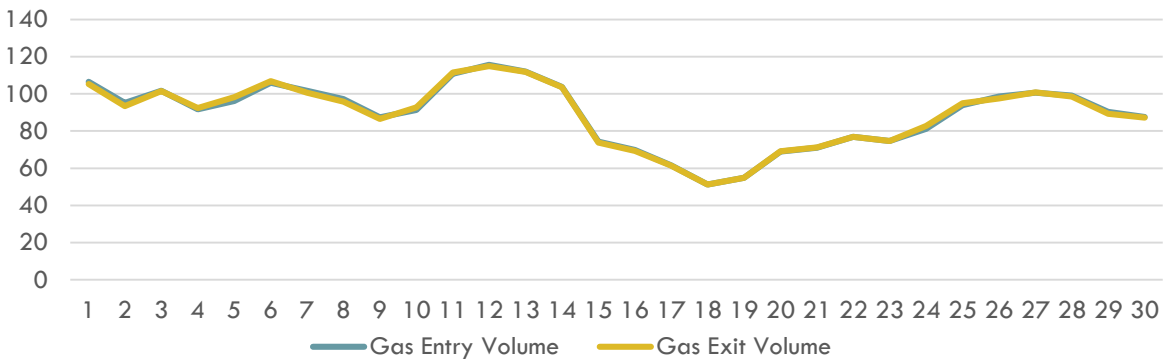
Natural Gas Market Gas Entry Volume (mio.Sm<sup>3</sup>)



Natural Gas Market Gas Exit Volume (mio.Sm<sup>3</sup>)



February 2021 Gas Entry and Exit Volume (mio.Sm<sup>3</sup>)



- ✓ Maximum gas entry volume realized on 12 June 2024 Wed was 115.654.729 sm<sup>3</sup>; minimum gas entry volume on 18 June 2024 Tue was 51.289.884 sm<sup>3</sup> levels.
- ✓ Maximum gas exit volume realized on 12 June 2024 Wed was 114.881.532 sm<sup>3</sup>; minimum gas exit volume 18 June 2024 Tue was 51.294.990 sm<sup>3</sup> levels.
- ✓ Maximum gas volume in stocks realized on 17 June 2024 Mon was 419.754.730 sm<sup>3</sup>; minimum stok gas volume 06 June 2024 Thu was 416.188.618 sm<sup>3</sup> levels.

## ADDITIONAL BALANCING TRANSACTIONS

## Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm <sup>3</sup> )	WAP (TL/'000 Sm <sup>3</sup> )	Direction
01.06.2024	1.782	10.780	Purchase
02.06.2024	1.861	10.740	Purchase
03.06.2024	456	10.675	Purchase
04.06.2024	127	10.665	Purchase
05.06.2024	149	10.615	Purchase
06.06.2024	750	10.645	Purchase
07.06.2024	2.175	10.520	Purchase
08.06.2024	1.636	10.430	Purchase
09.06.2024	1.143	10.450	Purchase
10.06.2024	293	10.445	Purchase
11.06.2024	375	10.595	Purchase
12.06.2024	1.548	10.487	Purchase
13.06.2024	956	10.450	Purchase
14.06.2024	775	10.425	Purchase
15.06.2024	838	10.419	Purchase
16.06.2024	705	10.418	Purchase
17.06.2024	295	10.395	Purchase
18.06.2024	127	10.500	Purchase
19.06.2024	118	10.530	Purchase
20.06.2024	132	10.520	Purchase
21.06.2024	129	10.750	Purchase
22.06.2024	252	10.518	Purchase
23.06.2024	314	10.550	Purchase
24.06.2024	275	10.515	Purchase
25.06.2024	246	10.494	Purchase
26.06.2024	1.896	10.423	Purchase
27.06.2024	1.249	10.500	Purchase
28.06.2024	980	10.477	Purchase
29.06.2024	1.433	10.449	Purchase
30.06.2024	531	10.566	Purchase

## Transactions with 2 Code

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

## Transactions with 3 Code

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

## Transactions with 4 Code

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

- ✓ Additional balancing transactions with a maximum code of 1 were 2.175.000 sm<sup>3</sup> on 07 June 2024 Fri; additional balancing transactions with a minimum code of 1 were realized at the level of 118.000 sm<sup>3</sup> on 19 June 2024 Wed.
- ✓ In June, no additional balancing transaction code of 2 was realized.
- ✓ In June, no additional balancing transaction code of 3 was realized.
- ✓ In June, no additional balancing transaction code of 4 was realized.