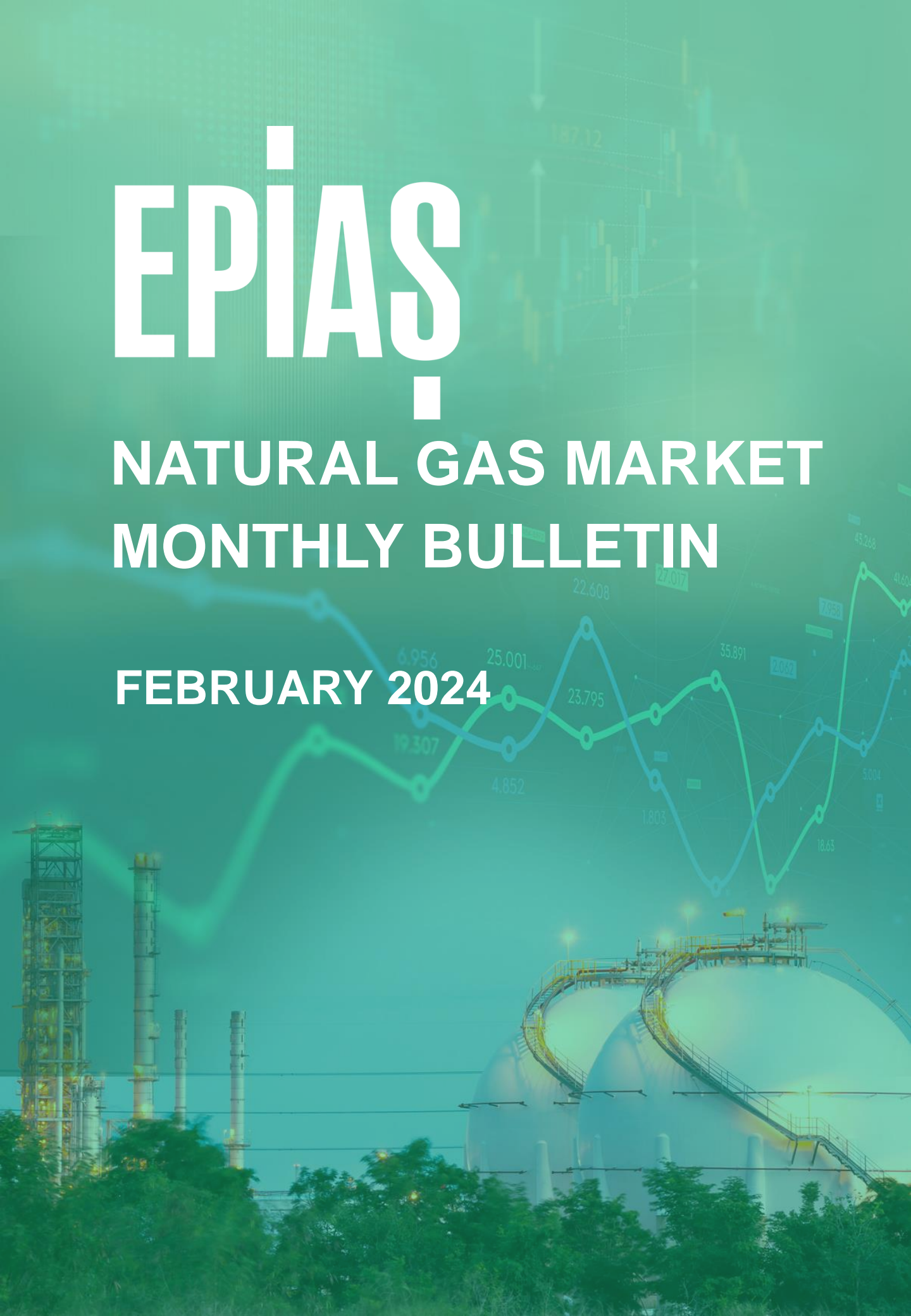


# EPIAS

## NATURAL GAS MARKET MONTHLY BULLETIN

FEBRUARY 2024



## SUMMARY DATA (1/2)

## Arithmetic Means

	February 2024	January 2024	Monthly Change	February 2023	Annual Change
Number of Ordered Participants	<b>13</b>	13	3.9%	9	43.5%
Number of Trades	<b>15</b>	13	21.4%	9	63.3%
Number of Orders	<b>36</b>	37	-4.6%	22	65.1%
BGSP (TL/'000 Sm <sup>3</sup> )	<b>10.275</b>	10.993	-6.5%	11.114	-7.5%
DRP (TL/'000 Sm <sup>3</sup> )	<b>10.816</b>	11.572	-6.5%	11.698	-7.5%
BGPP (TL/'000 Sm <sup>3</sup> )	<b>11.357</b>	12.150	-6.5%	12.283	-7.5%
Traded Volume (mio.Sm <sup>3</sup> )	<b>1,03</b>	1,00	3.4%	2,99	-65.5%
Transaction Volume (TL)	<b>11.195.286</b>	11.597.683	-3.5%	34.887.597	-67.9%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>196,99</b>	220,28	-10.6%	220,53	-10.7%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>197,01</b>	220,26	-10.6%	220,89	-10.8%
WRP (TL/'000 Sm <sup>3</sup> )	<b>10.400</b>	0	-	0	-

## Maximum / Minimum Levels

	February 2024		January 2024		February 2023	
	Max	Min	Max	Min	Max	Min
Number of Trades	<b>24</b>	<b>8</b>	22	2	16	5
Number of Ordered Participants	<b>16</b>	<b>11</b>	15	10	11	8
Number of Orders	<b>51</b>	<b>26</b>	62	24	37	15
BGSP (TL/'000 Sm <sup>3</sup> )	<b>10.576</b>	<b>9.897</b>	11.648	10.681	13.106	9.733
DRP (TL/'000 Sm <sup>3</sup> )	<b>11.133</b>	<b>10.418</b>	12.261	11.243	13.796	10.245
BGPP (TL/'000 Sm <sup>3</sup> )	<b>11.689</b>	<b>10.939</b>	12.874	11.805	14.485	10.757
Traded Volume (mio.Sm <sup>3</sup> )	<b>2,40</b>	<b>0,32</b>	2,97	0,30	7,54	0,29
Transaction Volume (TL)	<b>25.990.638</b>	<b>3.345.074</b>	35.194.475	3.440.219	81.389.790	3.091.876
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>256,37</b>	<b>135,38</b>	253,20	152,27	259,61	127,99
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>255,78</b>	<b>134,53</b>	254,42	151,37	257,77	132,35
WRP (TL/'000 Sm <sup>3</sup> )	<b>10.400</b>	<b>10.400</b>	0	0	0	0

## SUMMARY DATA (2/2)

## Totals

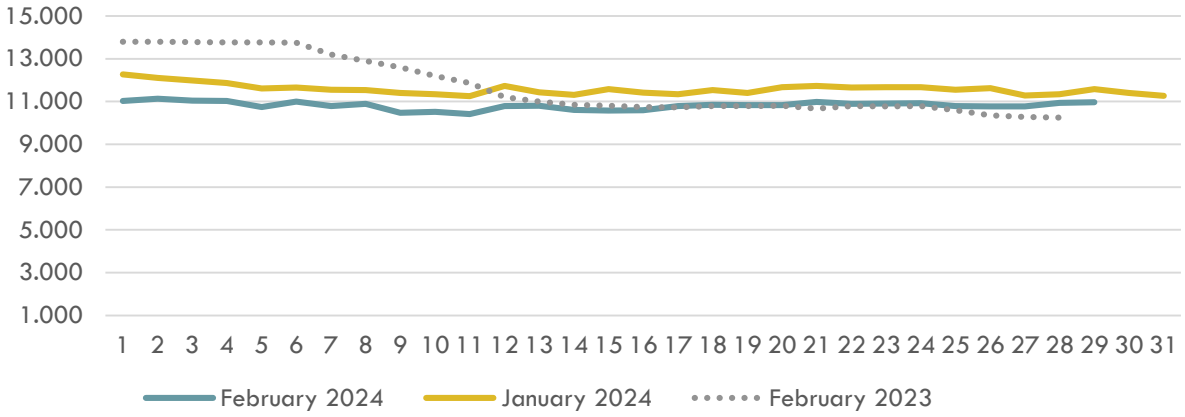
	February 2024	January 2024	Monthly Change	February 2023	Annual Change
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	11	12	-9.9%	28	-62.0%
Total Production of Natural Gas Based Power Plants (MWh)	2.668.092	3.244.063	-17.8%	6.304.620	-57.7%
Total Electricity Generation (MWh)	24.884.117	27.263.297	-8.7%	22.355.790	11.3%
Number of Trades	442	390	13.3%	262	68.7%
Number of Orders	1.031	1.155	-10.7%	603	71.0%
Traded Volume (mio.Sm <sup>3</sup> )	29,90	30,92	-3.3%	83,64	-64.2%
Transaction Volume (TL)	324.663.297	359.528.163	-9.7%	976.852.724	-66.8%
Gas Entry Volume (mio.Sm <sup>3</sup> )	5.712,71	6.828,67	-16.3%	6.174,74	-7.5%
Gas Exit Volume (mio.Sm <sup>3</sup> )	5.713,34	6.828,05	-16.3%	6.184,79	-7.6%

## Brent Oil and TTF Prices

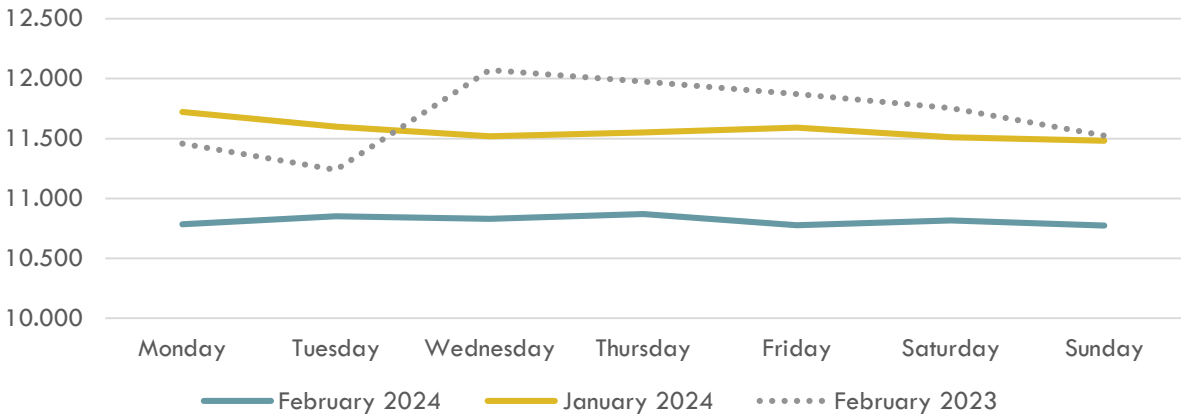
	February 2024	January 2024	Aylık Değişim	February 2023	Yıllık Değişim
Brent Oil (\$/bl)	81,72	79,06	3.4%	83,57	-2.2%
TTF (€/MWh)	25,64	29,93	-14.3%	53,10	-51.7%

PRICES (1/2)

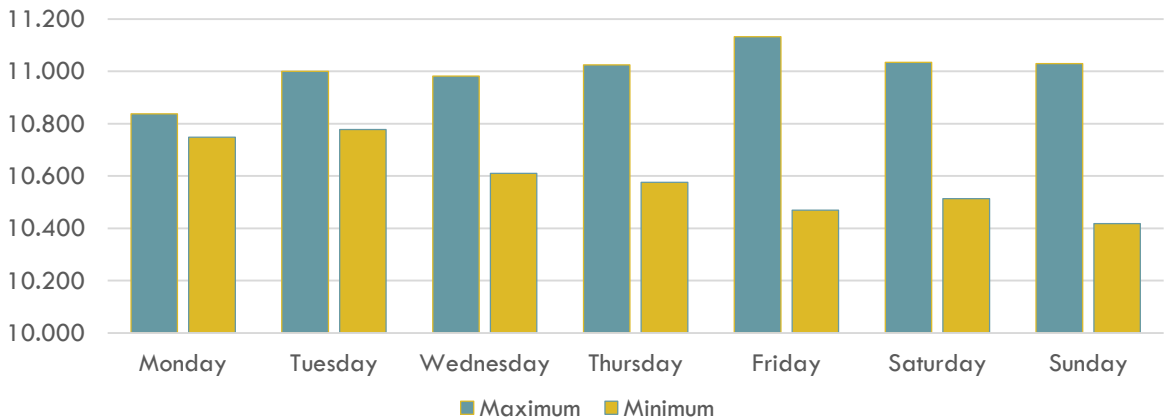
Natural Gas Market DRP (TL/'000 Sm<sup>3</sup>)



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

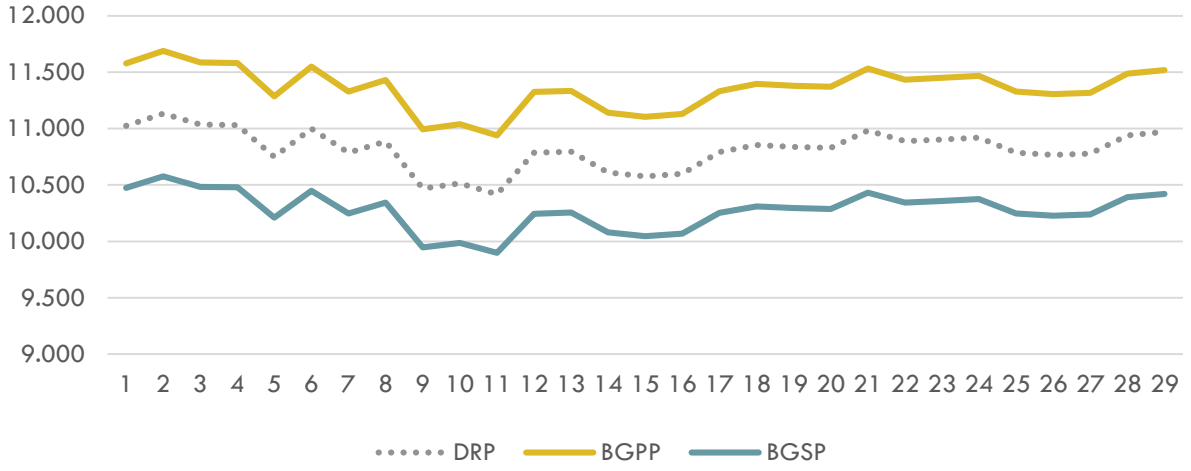


February 2024 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm<sup>3</sup>)



PRICES (2/2)

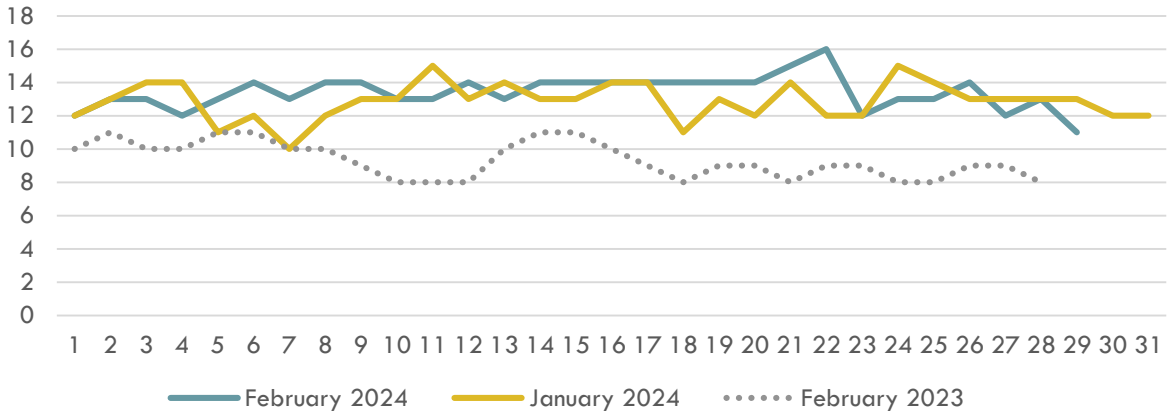
February 2024 DRP - BGPP - BGSP (TL/'000 Sm<sup>3</sup>)



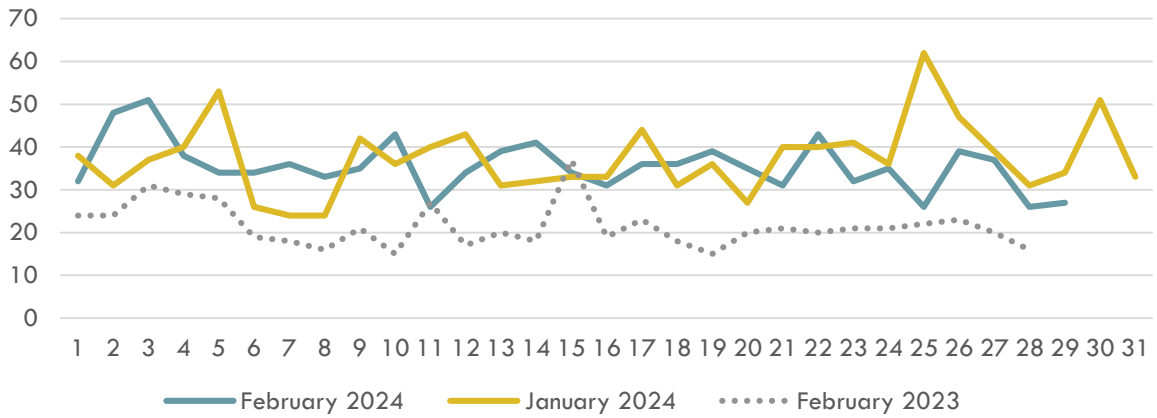
- ✓ The maximum DRP was 11.133 TL on 02 February 2024 Fri; the minimum DRP was realized at the level of 10.418 TL on 11 February 2024 Sun.
- ✓ The Maximum BGPP was 11.689 on 02 February 2024 Fri; the minimum BGPP was realized at the level of 10.939 TL on 11 February 2024 Sun.
- ✓ The maximum BGSP was 10.576 on 02 February 2024 Fri; the minimum BGSP was realized at the level of 9.897 TL on 11 February 2024 Sun.

**ORDERS, TRADES, VOLUMES (1/3)**

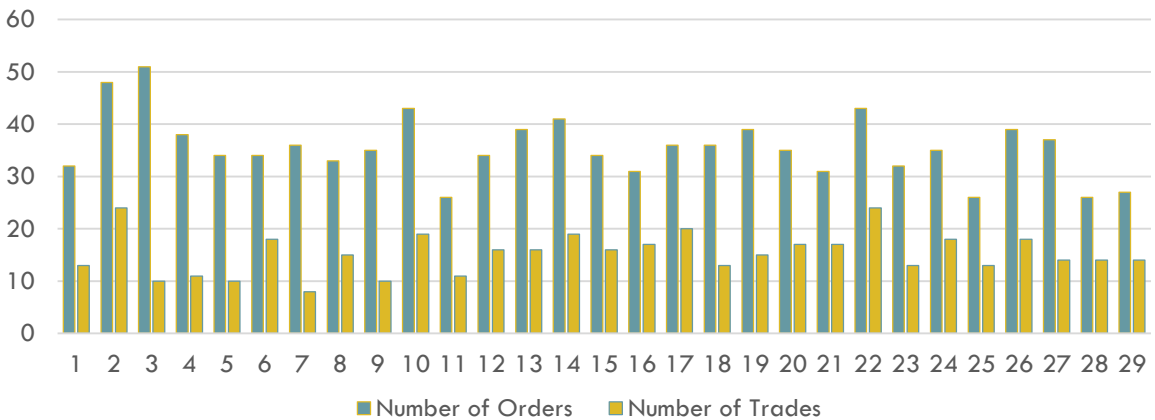
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

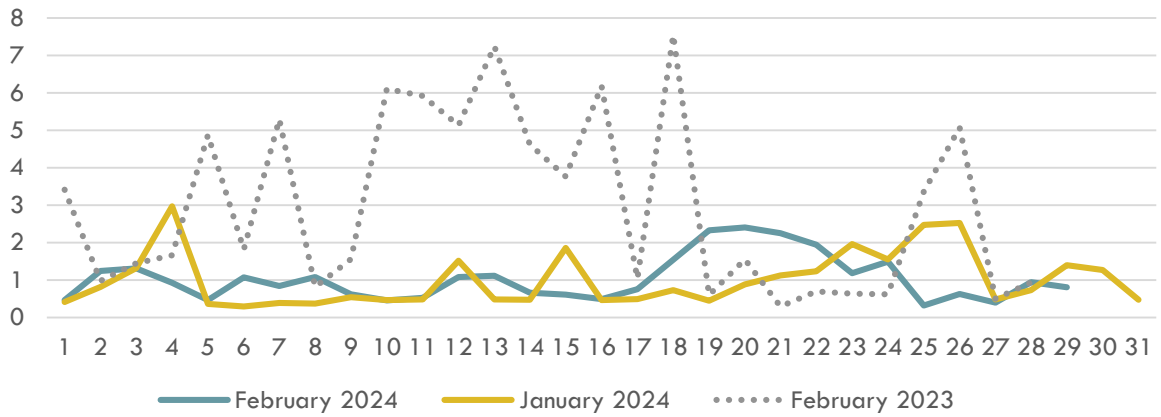


February 2024 Natural Gas Market Number of Orders and Trades

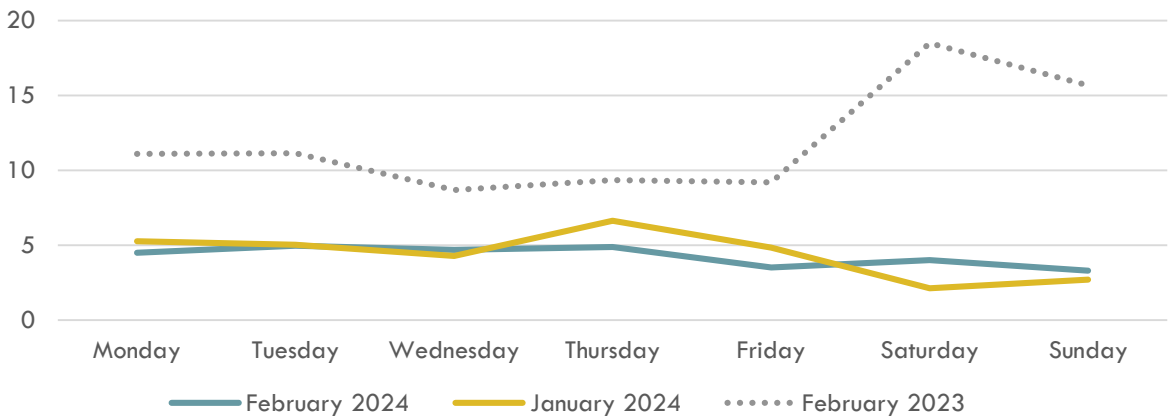


ORDERS, TRADES, VOLUMES (2/3)

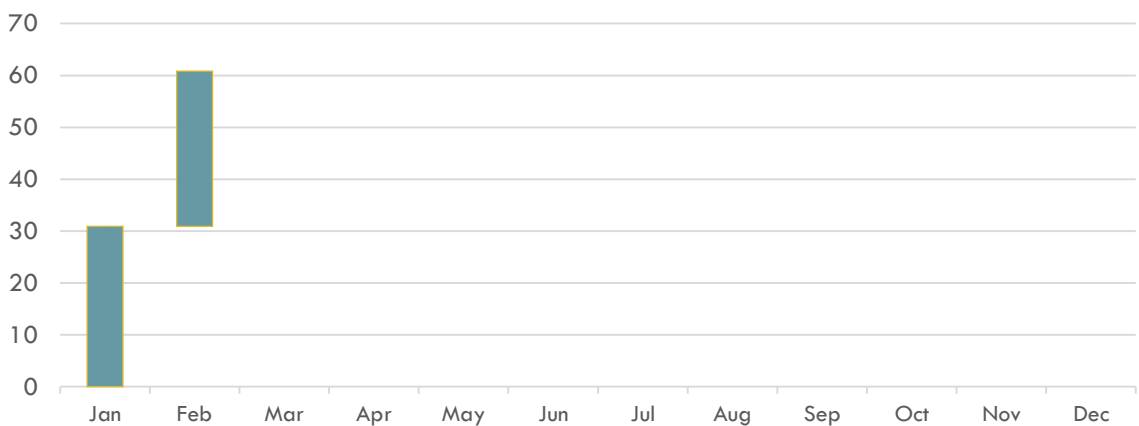
Natural Gas Market Trade Volume (mio.Sm<sup>3</sup>)



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

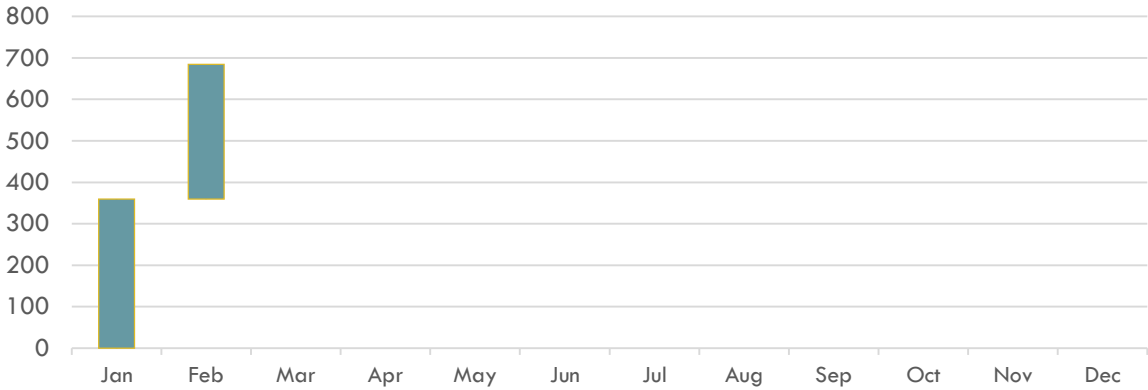


Natural Gas Market Annual Accumulated Trade Volume for 2024 (mio.Sm<sup>3</sup>)

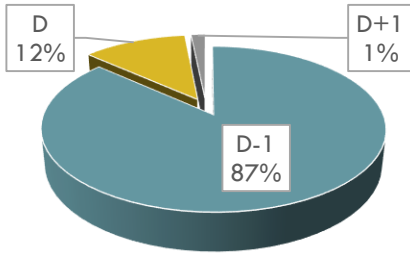


### ORDERS, TRADES, VOLUMES (3/3)

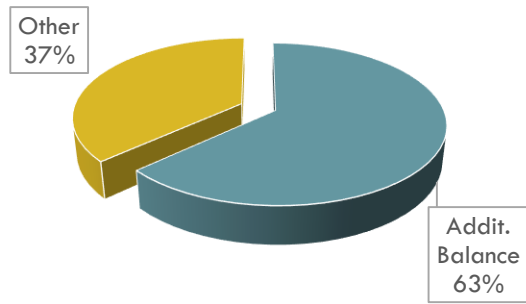
Natural Gas Market Annual Accumulated Transaction Volume for 2024 (Million TL)



Traded Volume of Daily Contracts for February 2024 Period by Sessions



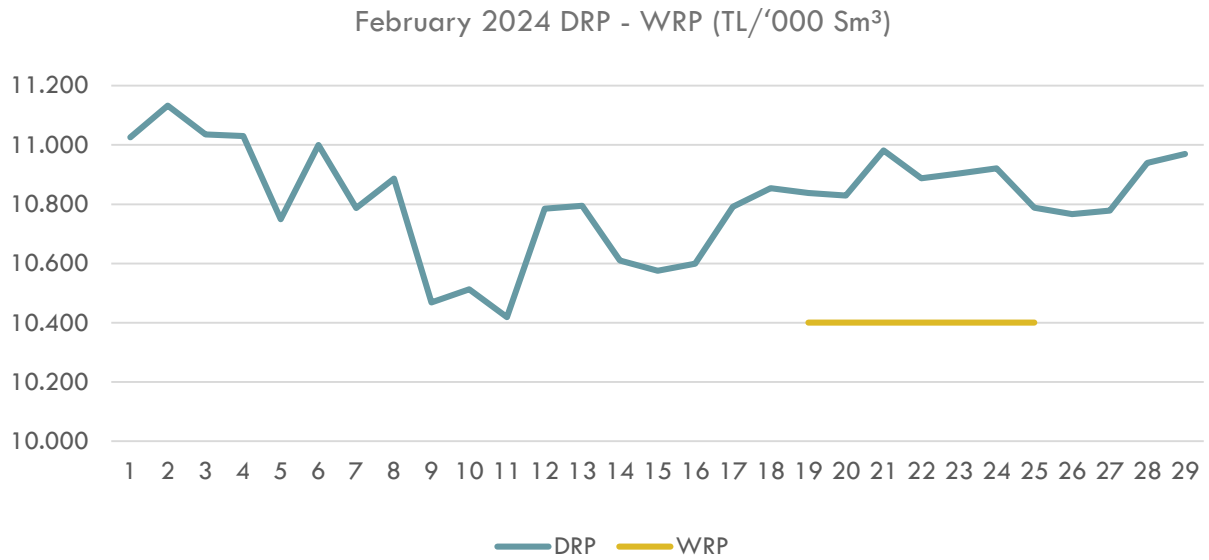
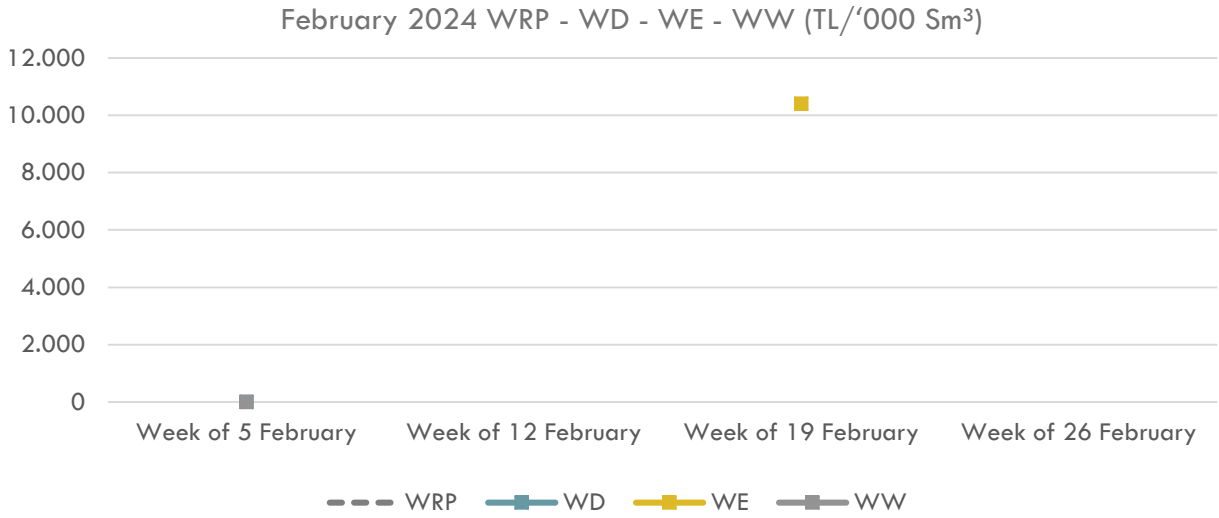
Additional Balancing Traded Volume for February 2024 Period



- ✓ The maximum total traded volume was 2.400 sm<sup>3</sup> on 20 February 2024 Tue; the minimum total traded volume was realized at the level of 315 sm<sup>3</sup> on 25 February 2024 Sun.
- ✓ The maximum total transaction volume was 25.990.638 TL on 20 February 2024 Tue; the minimum total transaction volume was realized at the level of 3.345.074 TL on 25 February 2024 Sun.
- ✓ The maximum d-1 traded volume was 2.307.000 sm<sup>3</sup> on 20 February 2024 Tue; the minimum d-1 traded amount was realized at the level of 296.000 sm<sup>3</sup> on 25 February 2024 Sun.
- ✓ The maximum d-1 traded volume was 24.983.541 TL on 20 February 2024 Tue; the minimum d-1 traded amount was realized at the level of 3.193.160 TL on 25 February 2024 Sun.
- ✓ The maximum d traded volume was 400.000 sm<sup>3</sup> on 02 February 2024 Fri; the minimum d traded amount was realized at the level of 0 sm<sup>3</sup> on 25 February 2024 Sun.
- ✓ The maximum d traded volume was 4.471.400 TL on 02 February 2024 Fri; the minimum d traded amount was realized at the level of 0 TL on 25 February 2024 Sun.
- ✓ The maximum d+1 traded volume was 68.000 sm<sup>3</sup> on 08 February 2024 Thu; the minimum d+1 traded amount was realized at the level of 0 sm<sup>3</sup> on 03 February 2024 Sat.
- ✓ The maximum d+1 traded volume was 743.706 TL on 08 February 2024 Thu; the minimum d+1 traded amount was realized at the level of 0 TL on 03 February 2024 Sat.
- ✓ The ratio of sgm compared to total consumption was realized at the level of 0,5% in February 2024.
- ✓ Sgm share in virtual trade was realized at 16,4% in February 2024.

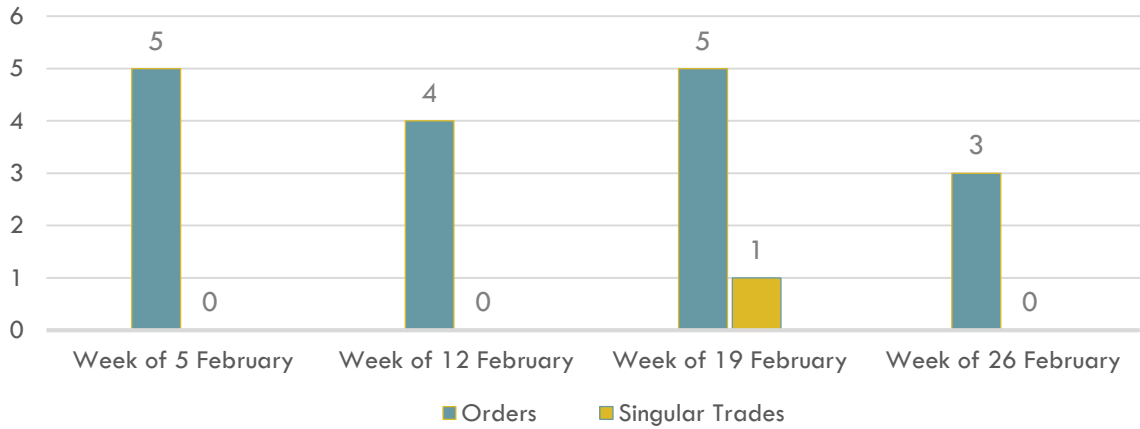


### WEEKLY PRODUCTS (1/2)

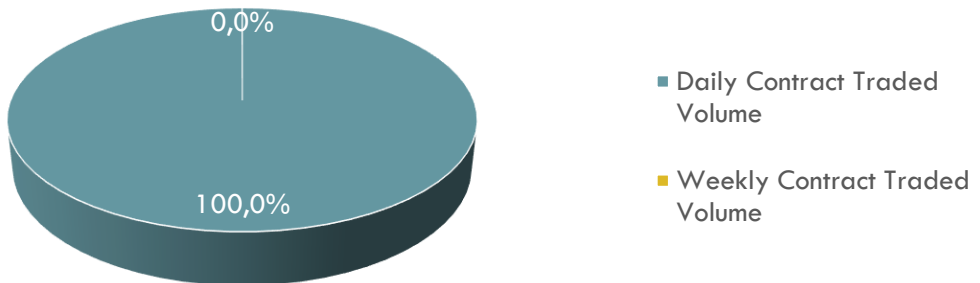


### WEEKLY PRODUCTS (2/2)

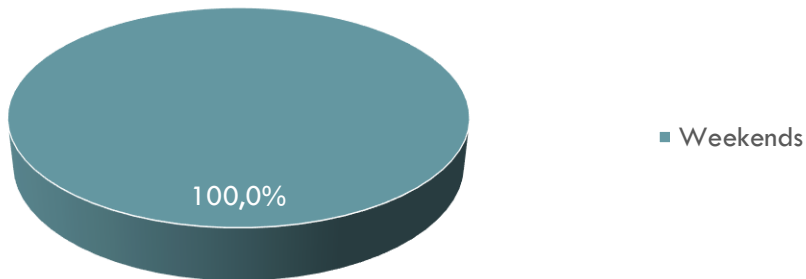
February 2024 Weekly Products Number of Orders and Trades



February 2024 Traded Volume Distribution by Contract Type



February 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)
Feb 2023	83,64	976.852.724
Mar 2023	107,25	1.007.828.484
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

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

Period	Total Consumption (%)	Virtual Trade (%)
Feb 2023	1,3%	11,3%
Mar 2023	2,0%	30,3%
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%

## GAS FUTURES MARKET (1/1)

## Daily Indicator Price For Contracts (TL)

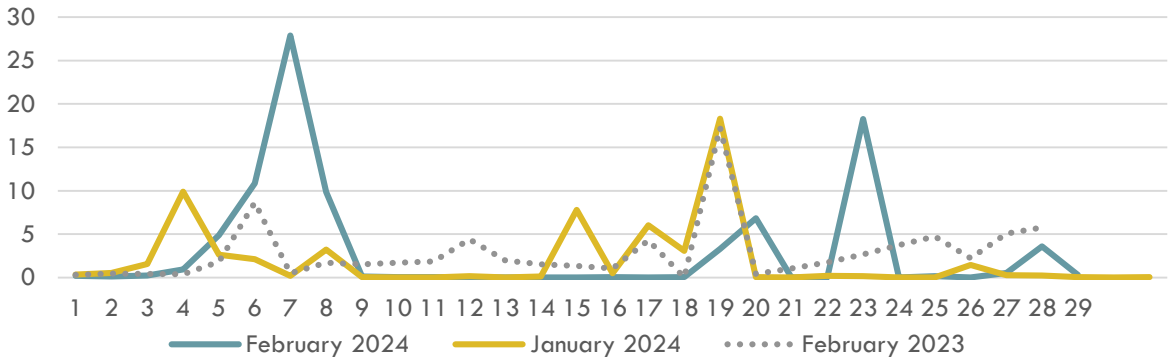
Contract Name	Average Daily Indicator Price (TL)	Minimum Daily Indicator Price (TL)	Maximum Daily Indicator Price (TL)
GM2403	23.432	23.432	23.432
GM2404	13.823	13.823	13.823
GM2405	12.804	12.804	12.804
GM2406	15.829	15.829	15.829
GM2407	14.022	14.022	14.022
GM2408	14.478	14.478	14.478
GM2409	14.592	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
GQ2402	14.137	14.137	14.137
GQ2403	14.362	14.362	14.362
GQ2404	15.937	15.937	15.937
GQ2501	16.801	16.801	16.801
GY25	18.329	18.329	18.329

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

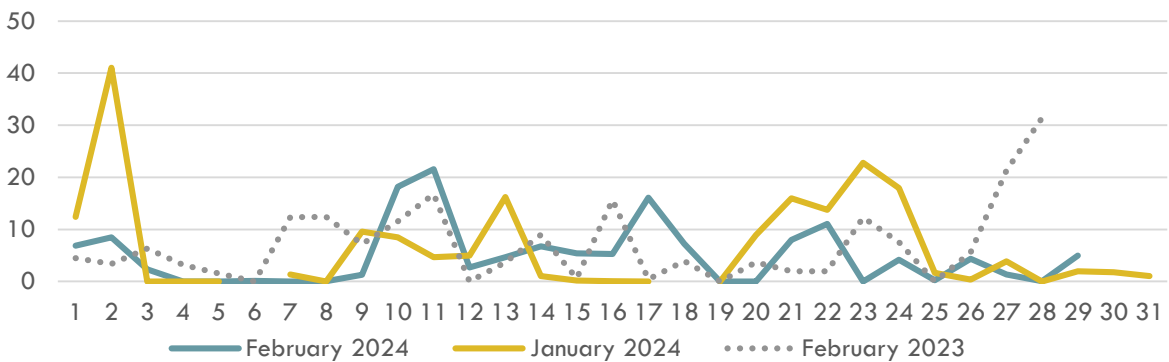
Contract Name	Traded Volume (mio.Sm3)	Traded Amount (TL)	Average Price (TL)
-	0	0	0

### TRANSMISSION SYSTEM DATA (1/2)

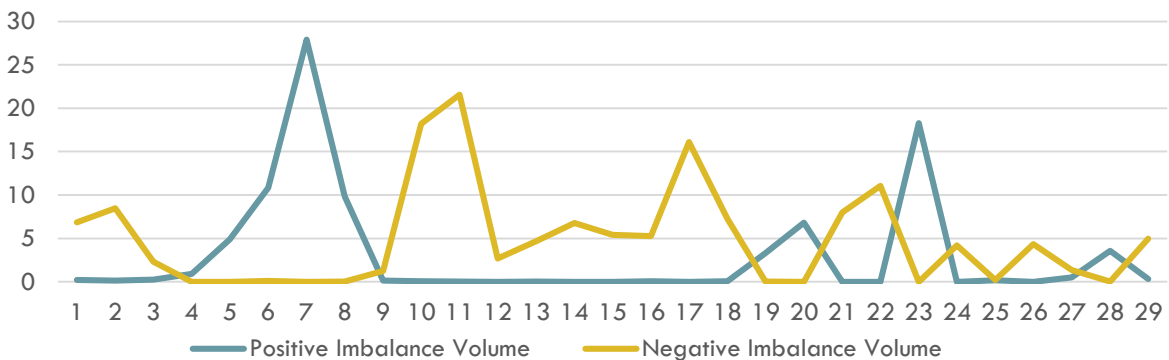
Natural Gas Market Positive Imbalance Volume (mio.Sm<sup>3</sup>)



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



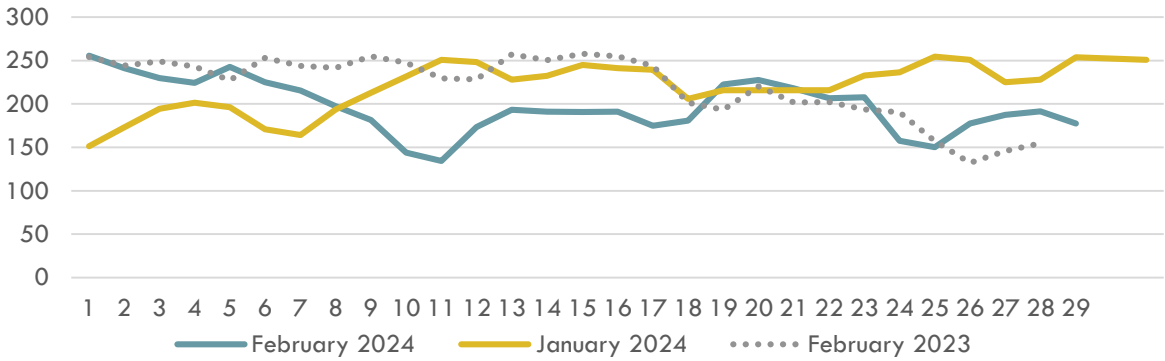
February 2024 Period Negative and Positive Imbalance Volume (mio.Sm<sup>3</sup>)



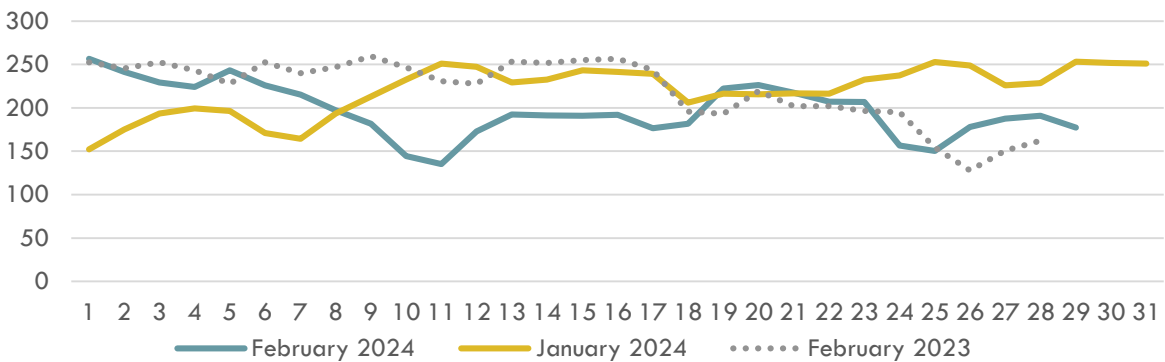
- ✓ The maximum positive imbalance volume was 27.898.679 sm<sup>3</sup> on 07 February 2024 Wed; the minimum positive imbalance volume was realized at the level of 184 sm<sup>3</sup> on 17 February 2024 Sat.
- ✓ The maximum negative imbalance volume was 21.548.772 sm<sup>3</sup> on 11 February 2024 Sun; the minimum negative imbalance volume was realized at the level of 403 sm<sup>3</sup> on 04 February 2024 Sun.

TRANSMISSION SYSTEM DATA (2/2)

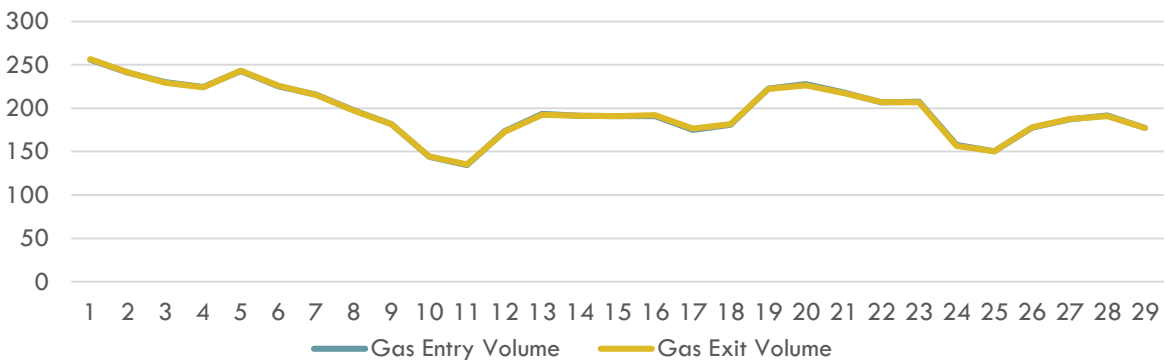
Natural Gas Market Gas Entry Volume (mio.Sm<sup>3</sup>)



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 01 February 2024 Thu was 255.784.841 sm<sup>3</sup>; minimum gas entry volume on 11 February 2024 Sun was 134.533.349 sm<sup>3</sup> levels.
- ✓ Maximum gas exit volume realized on 01 February 2024 Thu was 256.373.919 sm<sup>3</sup>; minimum gas exit volume 11 February 2024 Sun was 135.381.498 sm<sup>3</sup> levels.
- ✓ Maximum gas volume in stocks realized on 13 February 2024 Tue was 419.710.083 sm<sup>3</sup>; minimum stok gas volume 18 February 2024 Sun was 415.985.925 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
01.02.2024	177	11.109	Purchase
02.02.2024	235	11.125	Purchase
03.02.2024	766	11.121	Purchase
04.02.2024	621	11.089	Purchase
05.02.2024	165	10.890	Purchase
06.02.2024	313	11.195	Purchase
07.02.2024	439	10.875	Purchase
08.02.2024	684	10.946	Purchase
09.02.2024	137	10.491	Purchase
10.02.2024	260	10.584	Purchase
11.02.2024	137	10.449	Purchase
12.02.2024	720	10.840	Purchase
13.02.2024	986	10.811	Purchase
14.02.2024	112	10.685	Purchase
15.02.2024	178	10.610	Purchase
16.02.2024	212	10.636	Purchase
17.02.2024	405	10.866	Purchase
18.02.2024	1.104	10.878	Purchase
19.02.2024	1.910	10.850	Purchase
20.02.2024	2.104	10.838	Purchase
21.02.2024	1.853	10.995	Purchase
22.02.2024	780	10.889	Purchase
23.02.2024	974	10.929	Purchase
24.02.2024	1.273	10.933	Purchase
25.02.2024	220	10.803	Purchase
26.02.2024	347	10.834	Purchase
27.02.2024	282	10.770	Purchase
28.02.2024	834	10.951	Purchase
29.02.2024	682	10.971	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 2.104.000 sm<sup>3</sup> on 20 February 2024 Tue; additional balancing transactions with a minimum code of 1 were realized at the level of 112.000 sm<sup>3</sup> on 14 February 2024 Wed.
- ✓ In February, no additional balancing transaction code of 2 was realized.
- ✓ In February, no additional balancing transaction code of 3 was realized.
- ✓ In February, no additional balancing transaction code of 4 was realized.