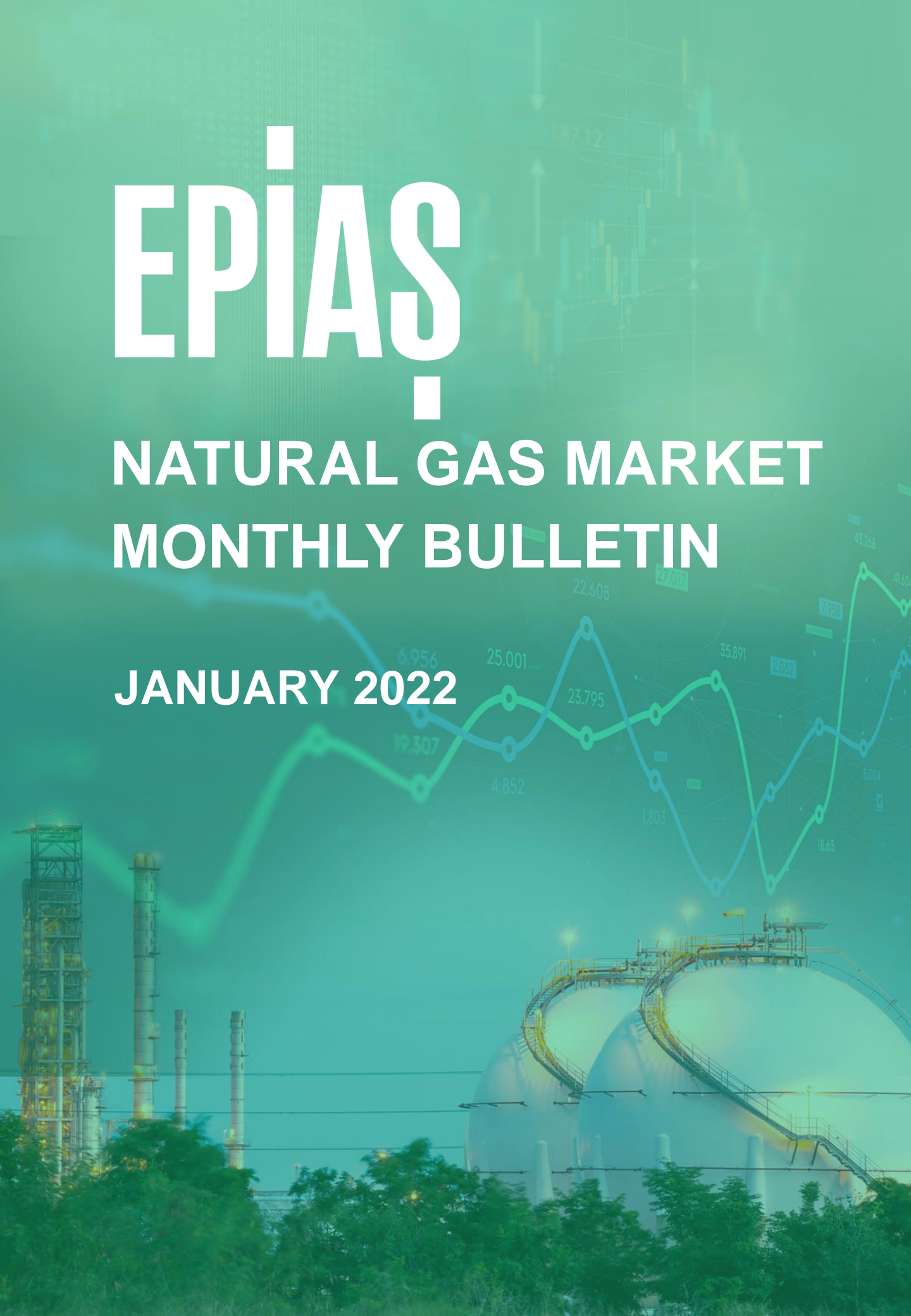


# EPIAS

## NATURAL GAS MARKET MONTHLY BULLETIN

JANUARY 2022



## SUMMARY DATA (1/2)

## Arithmetic Means

	January 2022	December 2021	Monthly Change	January 2021	Annual Change
DRP (TL/'000 Sm <sup>3</sup> )	<b>9.972</b>	6.764	47.4%	1.301	666.6%
WRP (TL/'000 Sm <sup>3</sup> )	<b>0</b>	6.924	-100.0%	1.297	-100.0%
BGPP (TL/'000 Sm <sup>3</sup> )	<b>10.415</b>	7.179	45.1%	1.340	677.3%
BGSP (TL/'000 Sm <sup>3</sup> )	<b>9.569</b>	6.555	46.0%	1.262	658.4%
Traded Volume (mio.Sm <sup>3</sup> )	<b>2,14</b>	2,48	-13.7%	2,83	-24.5%
Transaction Volume (TL)	<b>21.266.832</b>	17.013.032	25.0%	3.690.563	476.2%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>244,02</b>	222,93	9.5%	215,38	13.3%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>244,81</b>	222,14	10.2%	215,36	13.7%
Number of Ordered Participants	<b>12</b>	14	-15.0%	24	-50.3%
Number of Orders	<b>21</b>	39	-46.7%	111	-81.5%
Number of Trades	<b>11</b>	17	-34.4%	44	-74.9%

## Maximum / Minimum Levels

	January 2022		December 2021		January 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm <sup>3</sup> )	<b>10.089</b>	<b>6.652</b>	6.924	6.328	1.328	1.271
WRP (TL/'000 Sm <sup>3</sup> )	<b>0</b>	<b>0</b>	6.924	6.924	1.300	1.294
BGPP (TL/'000 Sm <sup>3</sup> )	<b>11.000</b>	<b>10.089</b>	10.087	6.530	1.368	1.309
BGSP (TL/'000 Sm <sup>3</sup> )	<b>9.786</b>	<b>6.452</b>	6.716	6.138	1.288	1.233
Traded Volume (mio.Sm <sup>3</sup> )	<b>11,17</b>	<b>0,38</b>	17,77	0,26	4,87	1,39
Transaction Volume (TL)	<b>112.683.981</b>	<b>3.843.618</b>	123.040.448	1.814.088	6.270.233	1.665.434
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>275,76</b>	<b>210,34</b>	285,24	153,45	279,51	169,91
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>287,62</b>	<b>208,50</b>	279,02	153,65	279,47	171,16
Number of Ordered Participants	<b>15</b>	<b>6</b>	17	11	26	20
Number of Orders	<b>37</b>	<b>8</b>	62	19	144	69
Number of Trades	<b>18</b>	<b>4</b>	34	7	68	26

## SUMMARY DATA (2/2)

## Totals

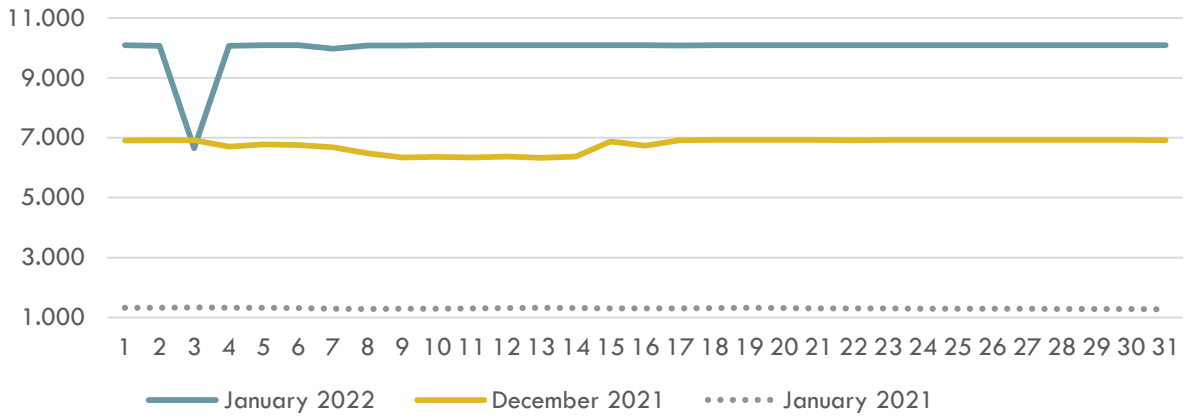
	January 2022	December 2021	Monthly Change	January 2021	Annual Change
Traded Volume (mio.Sm <sup>3</sup> )	<b>66,36</b>	76,85	-13.7%	87,85	-24.5%
Transaction Volume (TL)	<b>659.271.803</b>	527.403.990	25.0%	114.407.452	476.2%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>7.564,67</b>	6.910,81	9.5%	6.676,73	13.3%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>7.588,97</b>	6.886,45	10.2%	6.676,05	13.7%
Number of Orders	<b>638</b>	1.196	-46.7%	3.444	-81.5%
Number of Trades	<b>344</b>	517	-33.5%	1.355	-74.6%
Total Production of Natural Gas Based Power Plants (MWh)	<b>7.026.518</b>	8.280.103	-15.1%	7.541.533	-6.8%
Total Electricity Generation (MWh)	<b>26.296.902</b>	26.699.907	-1.5%	24.805.754	6.0%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	<b>27</b>	31	-13.8%	30	-12.1%

## Brent Oil and TTF Prices

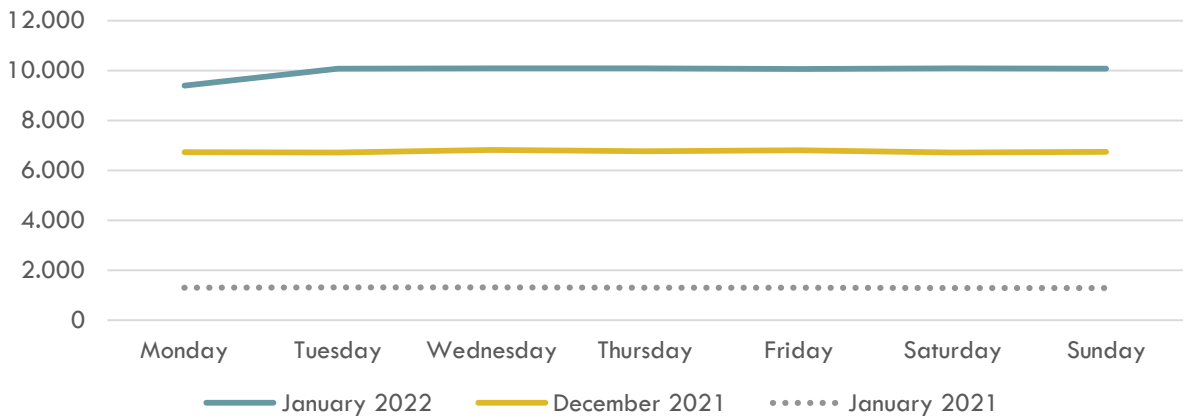
	January 2022	December 2021	Monthly Change	January 2021	Annual Change
Brent Oil(\$/bl)	<b>85,57</b>	74,8	14,40%	55,32	54,68%
TTF (€/MWh)	<b>83,79</b>	112,75	-25,69%	20,43	310,13%

PRICES (1/2)

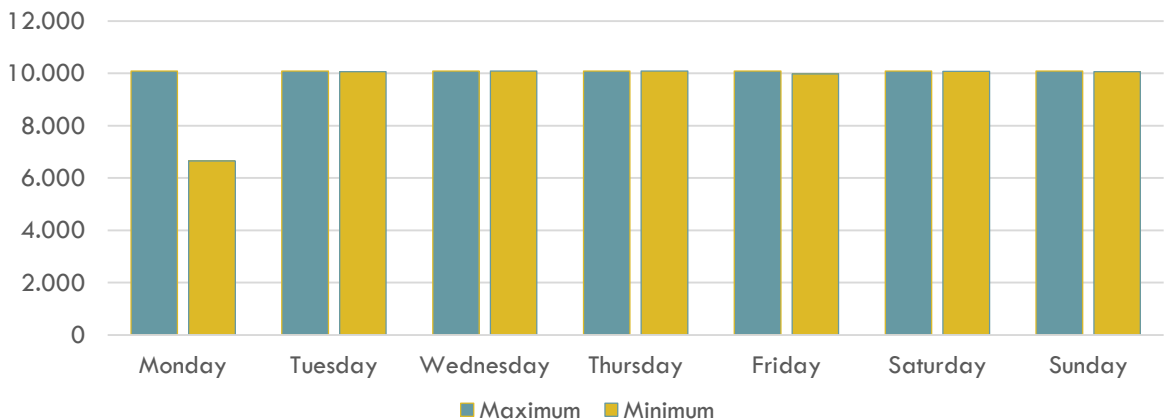
Natural Gas Market DRP (TL/'000 Sm<sup>3</sup>)



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

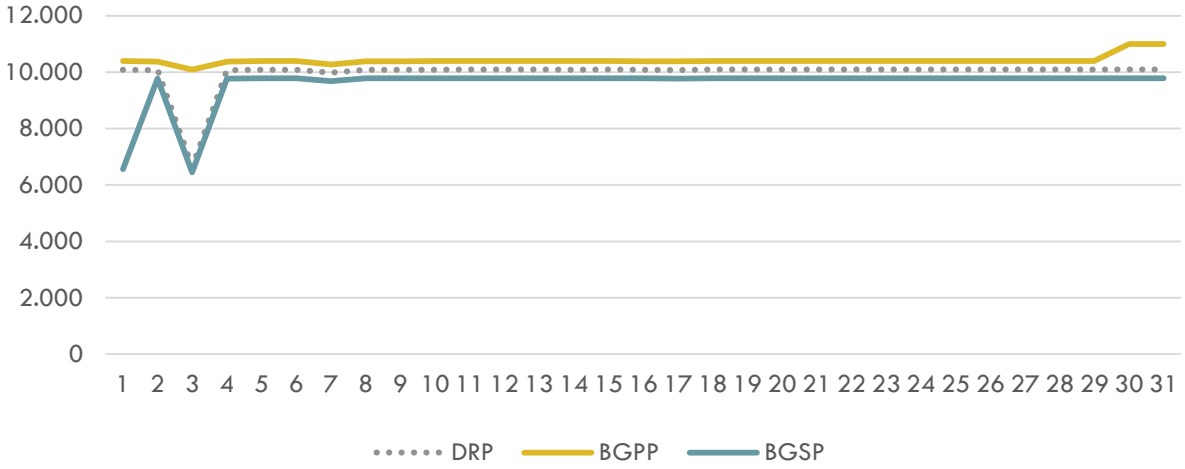


January 2022 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm<sup>3</sup>)



PRICES (2/2)

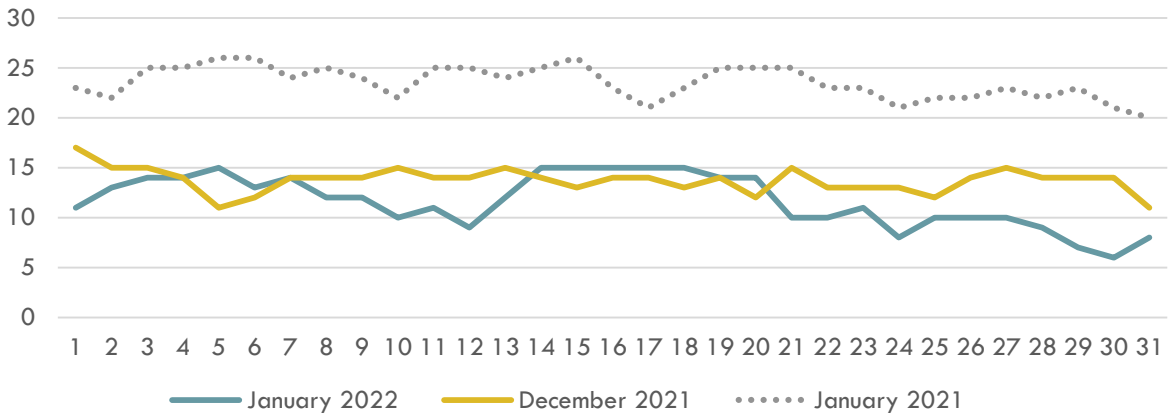
January 2022 DRP - BGPP - BGSP (TL/‘000 Sm<sup>3</sup>)



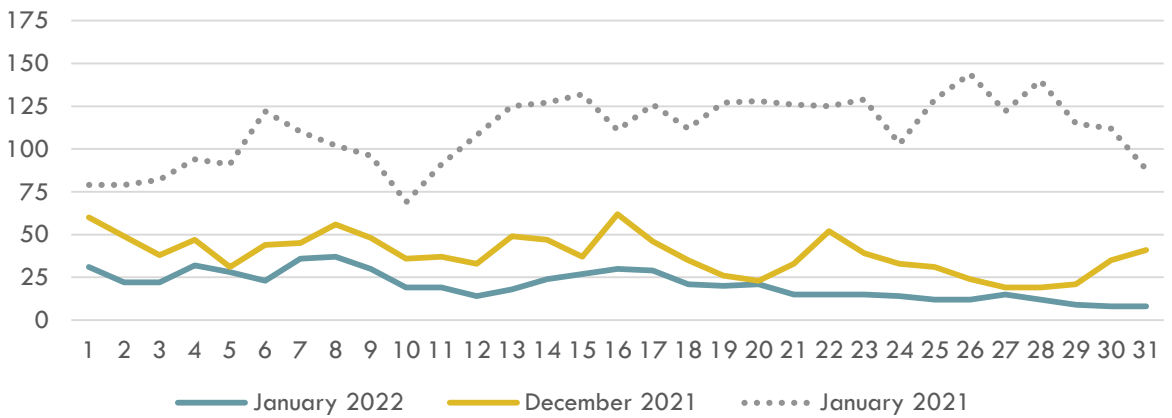
- ✓ The maximum DRP was 10.089 TL on 21 January 2022 Fri; the minimum DRP was realized at the level of 6.652 TL on 03 January 2022 Mon.
- ✓ The Maximum BGPP was 11.000 on 30 January 2022 Sun; the minimum BGPP was realized at the level of 10.089 TL on 03 January 2022 Mon.
- ✓ The maximum BGSP was 9.786 on 21 January 2022 Fri; the minimum BGSP was realized at the level of 6.452 TL on 03 January 2022 Mon.

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

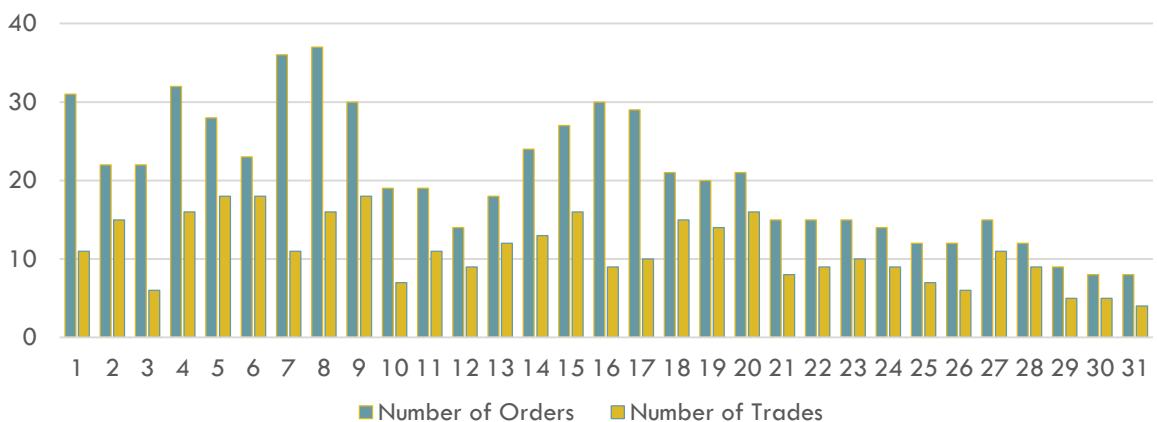
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

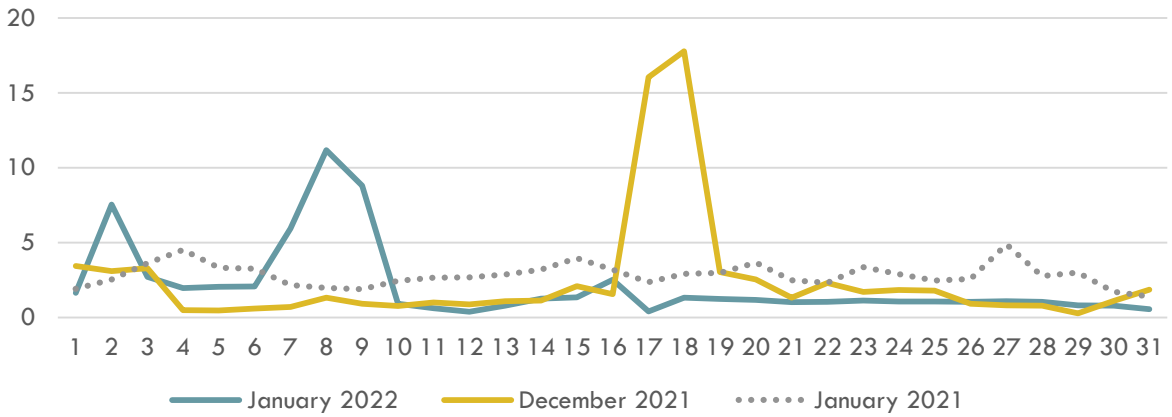


January 2022 Natural Gas Market Number of Orders and Trades

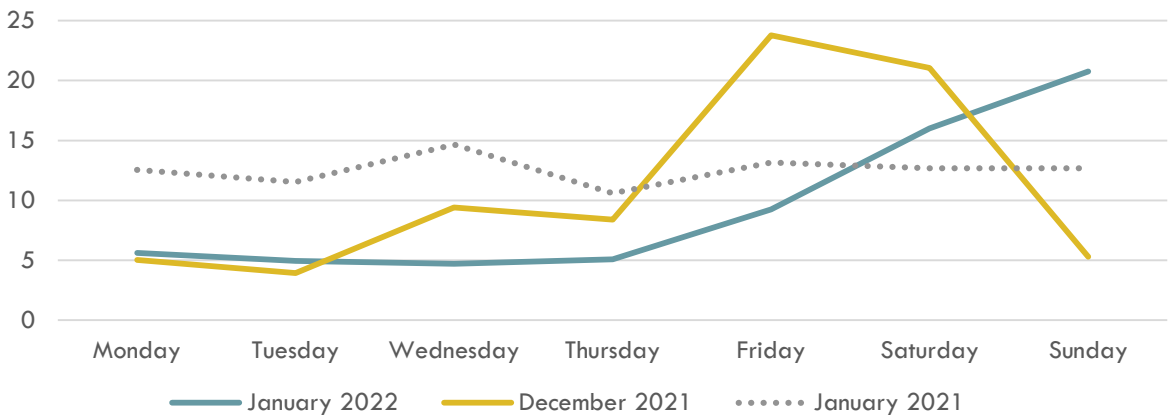


ORDERS, TRADES, VOLUMES (2/3)

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 2022 (mio.Sm<sup>3</sup>)

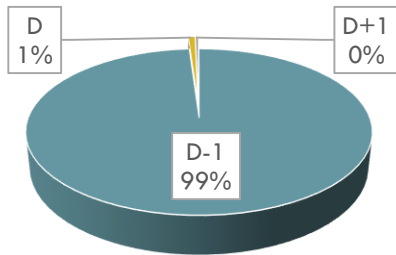


### ORDERS, TRADES, VOLUMES (3/3)

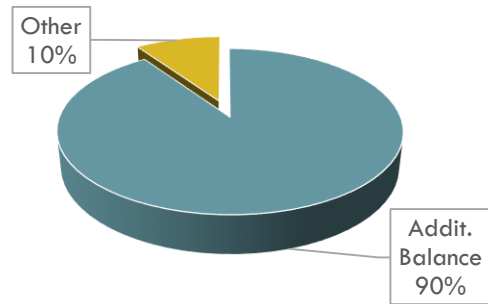
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for January 2022 Period by Sessions



Additional Balancing Traded Volume for January 2022 Period

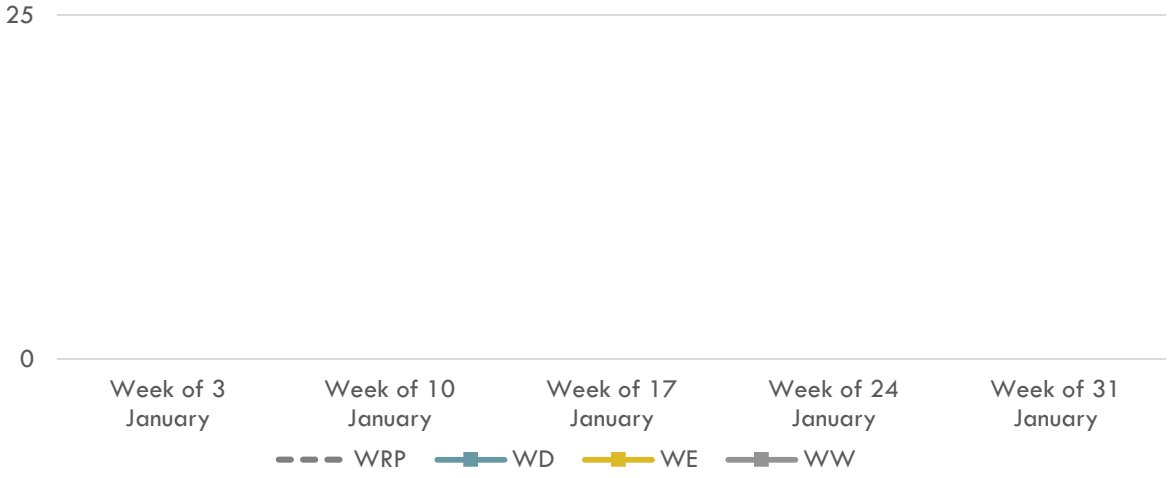


- ✓ The maximum total traded volume was 11.175 sm<sup>3</sup> on 08 January 2022 Sat; the minimum total traded volume was realized at the level of 381 sm<sup>3</sup> on 12 January 2022 Wed.
- ✓ The maximum total transaction volume was 112.683.981 TL on 08 January 2022 Sat; the minimum total transaction volume was realized at the level of 3.843.618 TL on 12 January 2022 Wed.
- ✓ The maximum d-1 traded volume was 11.170.000 sm<sup>3</sup> on 08 January 2022 Sat; the minimum d-1 traded amount was realized at the level of 350.000 sm<sup>3</sup> on 12 January 2022 Wed.
- ✓ The maximum d-1 traded volume was 112.633.981 TL on 08 January 2022 Sat; the minimum d-1 traded amount was realized at the level of 3.531.138 TL on 12 January 2022 Wed.
- ✓ The maximum d traded volume was 400.000 sm<sup>3</sup> on 07 January 2022 Fri; the minimum d traded amount was realized at the level of 0 sm<sup>3</sup> on 01 January 2022 Sat.
- ✓ The maximum d traded volume was 3.430.000 TL on 07 January 2022 Fri; the minimum d traded amount was realized at the level of 0 TL on 01 January 2022 Sat.
- ✓ The maximum d+1 traded volume was 44.000 sm<sup>3</sup> on 13 January 2022 Thu; the minimum d+1 traded amount was realized at the level of 0 sm<sup>3</sup> on 04 January 2022 Tue.
- ✓ The maximum d+1 traded volume was 443.916 TL on 13 January 2022 Thu; the minimum d+1 traded amount was realized at the level of 0 TL on 04 January 2022 Tue.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 0,9% in January 2022.
- ✓ Ctp share in virtual trade was realized at 7,2% in January 2022.

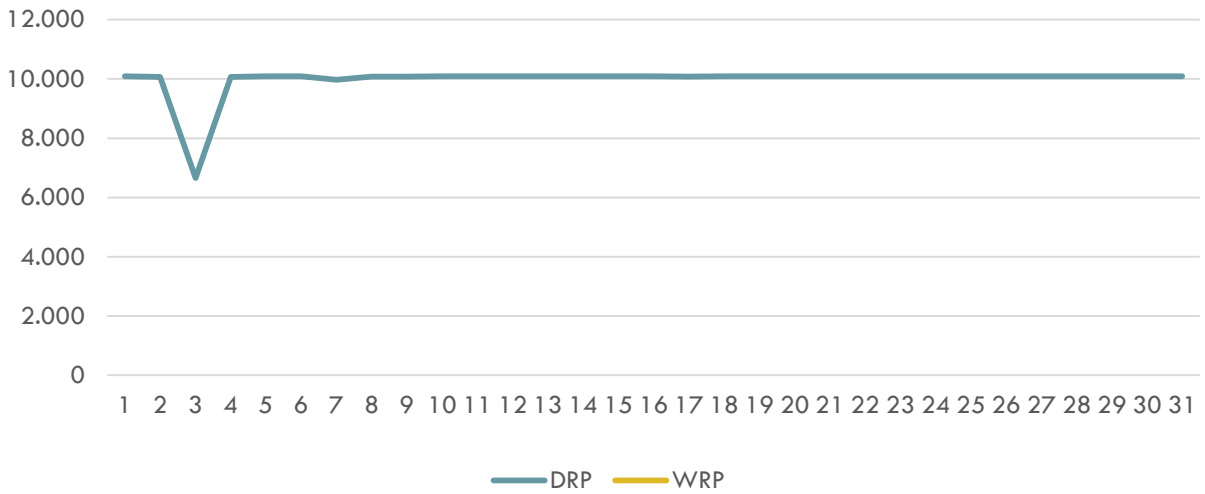


WEEKLY PRODUCTS (1/2)

January 2022 WRP - WD - WE - WW (TL/'000 Sm<sup>3</sup>)

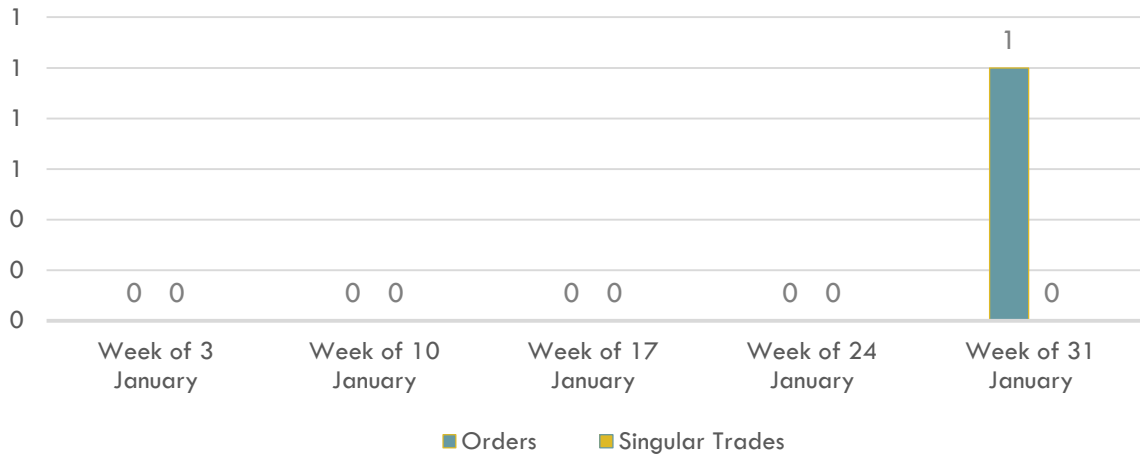


January 2022 DRP - WRP (TL/'000 Sm<sup>3</sup>)

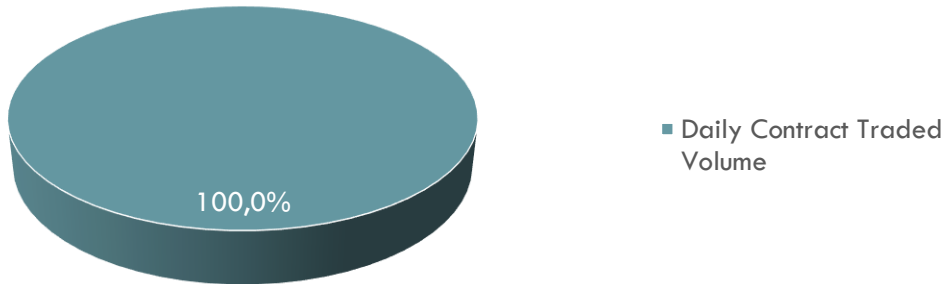


**WEEKLY PRODUCTS (2/2)**

January 2022 Weekly Products Number of Orders and Trades



January 2022 Traded Volume Distribution by Contract Type



## STP

## Last 1 Year Trades

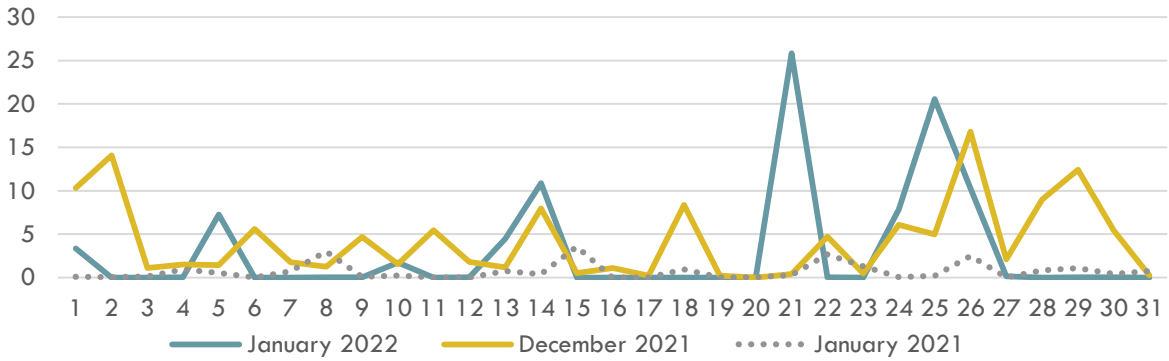
Period	Traded Volume (mio.Sm <sup>3</sup> )	Traded Amount (TL)
Jan 2021	87,85	114.407.452
Feb 2021	199,29	243.462.785
Mar 2021	134,06	176.783.157
Apr 2021	99,70	165.534.142
May 2021	123,50	213.116.614
Jun 2021	127,49	234.315.489
Jul 2021	95,74	198.270.544
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803

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

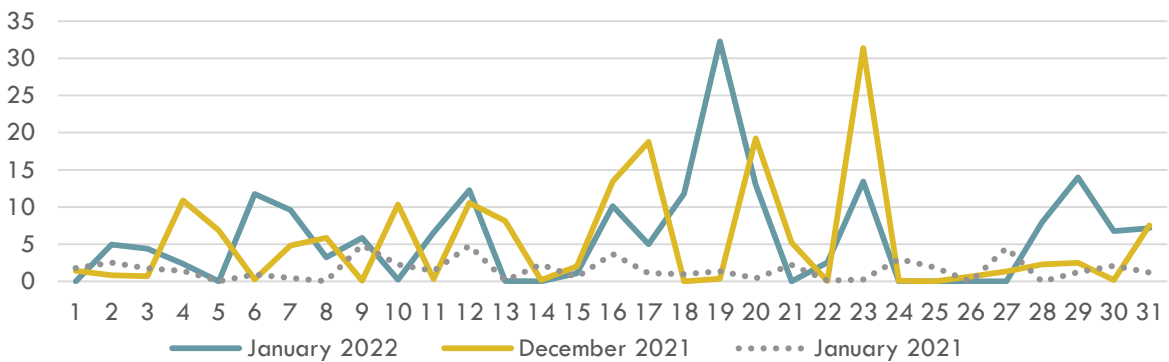
Period	Total Cons. (%)	Virtual Trade (%)
Jan 2021	1,3%	8,7%
Feb 2021	3,3%	19,4%
Mar 2021	2,1%	12,4%
Apr 2021	2,0%	17,4%
May 2021	3,3%	14,2%
Jun 2021	2,9%	20,7%
Jul 2021	2,3%	16,4%
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%

TRANSMISSION SYSTEM DATA (1/2)

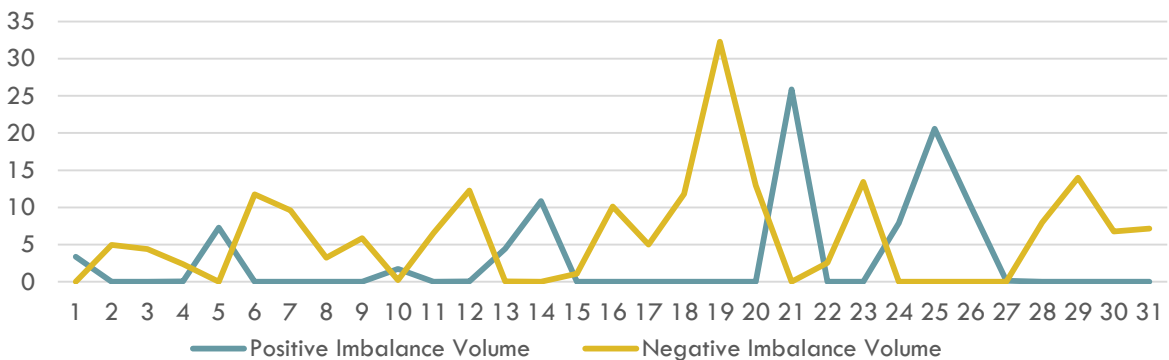
Natural Gas Market Positive Imbalance Volume (mio.Sm<sup>3</sup>)



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



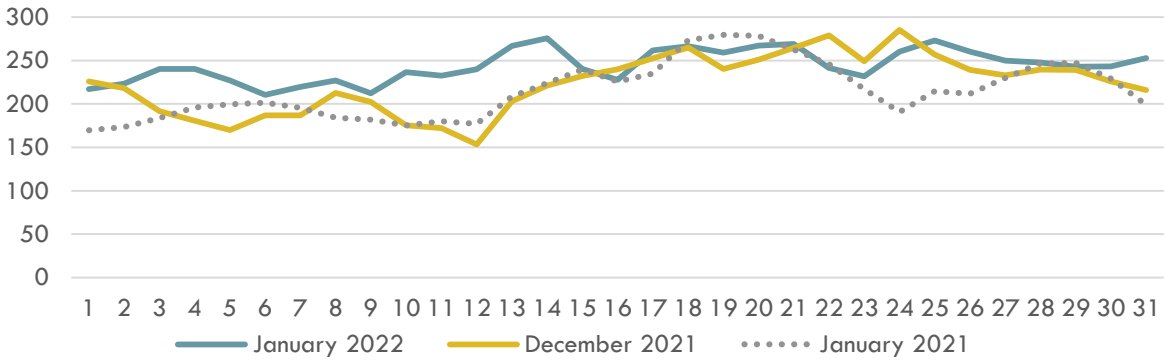
January 2022 Period Negative and Positive Imbalance Volume (mio.Sm<sup>3</sup>)



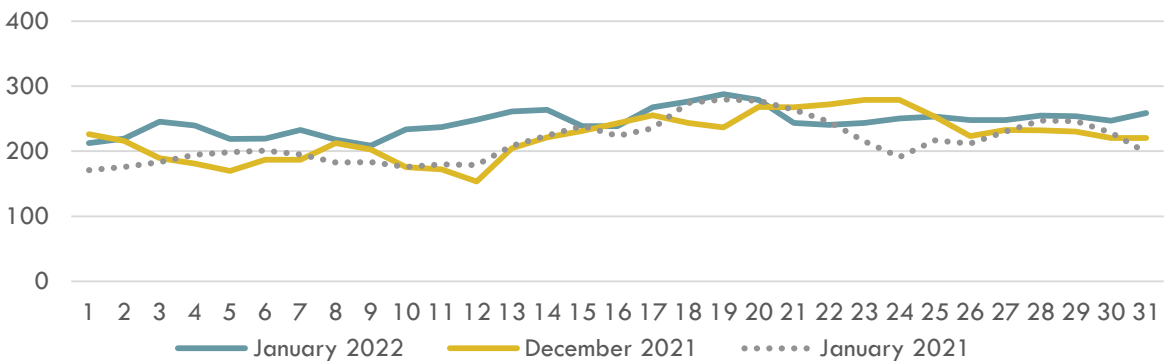
- ✓ The maximum positive imbalance volume was 25.860.244 sm<sup>3</sup> on 21 January 2022 Fri; the minimum positive imbalance volume was realized at the level of 589 sm<sup>3</sup> on 17 January 2022 Mon.
- ✓ The maximum negative imbalance volume was 32.287.020 sm<sup>3</sup> on 19 January 2022 Wed; the minimum negative imbalance volume was realized at the level of 3.346 sm<sup>3</sup> on 01 January 2022 Sat.

**TRANSMISSION SYSTEM DATA (2/2)**

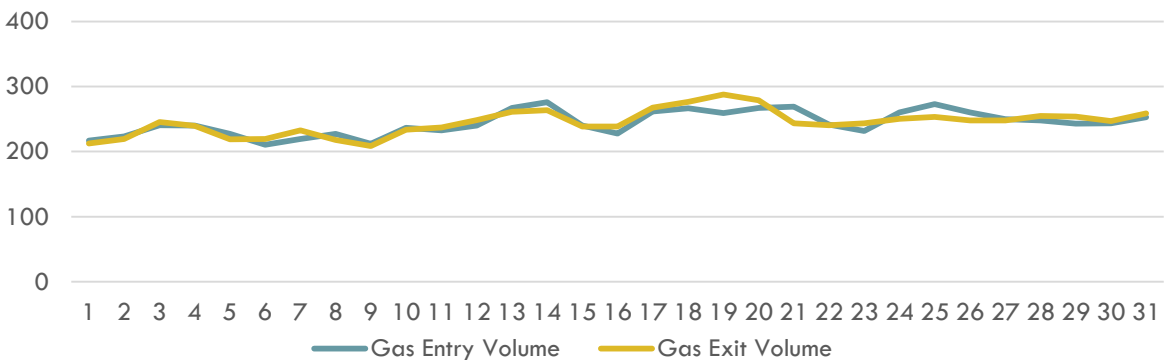
Natural Gas Market Gas Entry Volume (mio.Sm<sup>3</sup>)



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 14 January 2022 Fri was 275.758.342 sm<sup>3</sup>; minimum gas entry volume on 06 January 2022 Thu was 210.336.234 sm<sup>3</sup> levels.
- ✓ Maximum gas exit volume realized on 19 January 2022 Wed was 287.620.566 sm<sup>3</sup>; minimum gas exit volume 09 January 2022 Sun was 208.499.638 sm<sup>3</sup> levels.
- ✓ Maximum gas volume in stocks realized on 15 January 2022 Sat was 432.618.971 sm<sup>3</sup>; minimum stok gas volume 20 January 2022 Thu was 366.182.867 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
01.01.2022	1.361	10.087	Purchase
02.01.2022	7.429	10.071	Purchase
03.01.2022	2.593	6.561	Sales
04.01.2022	1.809	10.086	Purchase
05.01.2022	1.905	10.089	Purchase
06.01.2022	1.969	10.089	Purchase
07.01.2022	4.548	10.088	Sales
08.01.2022	11.059	10.085	Purchase
09.01.2022	8.664	10.084	Purchase
10.01.2022	918	10.088	Purchase
11.01.2022	491	10.089	Purchase
12.01.2022	226	10.089	Purchase
13.01.2022	606	10.089	Purchase
14.01.2022	1.134	10.089	Purchase
15.01.2022	1.223	10.089	Purchase
16.01.2022	2.355	10.087	Sales
17.01.2022	264	10.079	Sales
18.01.2022	1.229	10.089	Purchase
19.01.2022	1.103	10.089	Purchase
20.01.2022	1.025	10.089	Purchase
21.01.2022	876	10.089	Purchase
22.01.2022	914	10.089	Purchase
23.01.2022	983	10.089	Purchase
24.01.2022	915	10.089	Purchase
25.01.2022	891	10.089	Purchase
26.01.2022	679	10.089	Purchase
27.01.2022	551	10.089	Purchase
28.01.2022	488	10.089	Purchase
29.01.2022	683	10.089	Purchase
30.01.2022	665	10.089	Purchase
31.01.2022	428	10.089	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 11.059.000 sm<sup>3</sup> on 08 January 2022 Sat; additional balancing transactions with a minimum code of 1 were realized at the level of 226.000 sm<sup>3</sup> on 12 January 2022 Wed.
- ✓ In January, no additional balancing transaction code of 2 was realized.
- ✓ In January, no additional balancing transaction code of 3 was realized.
- ✓ In January, no additional balancing transaction code of 4 was realized.