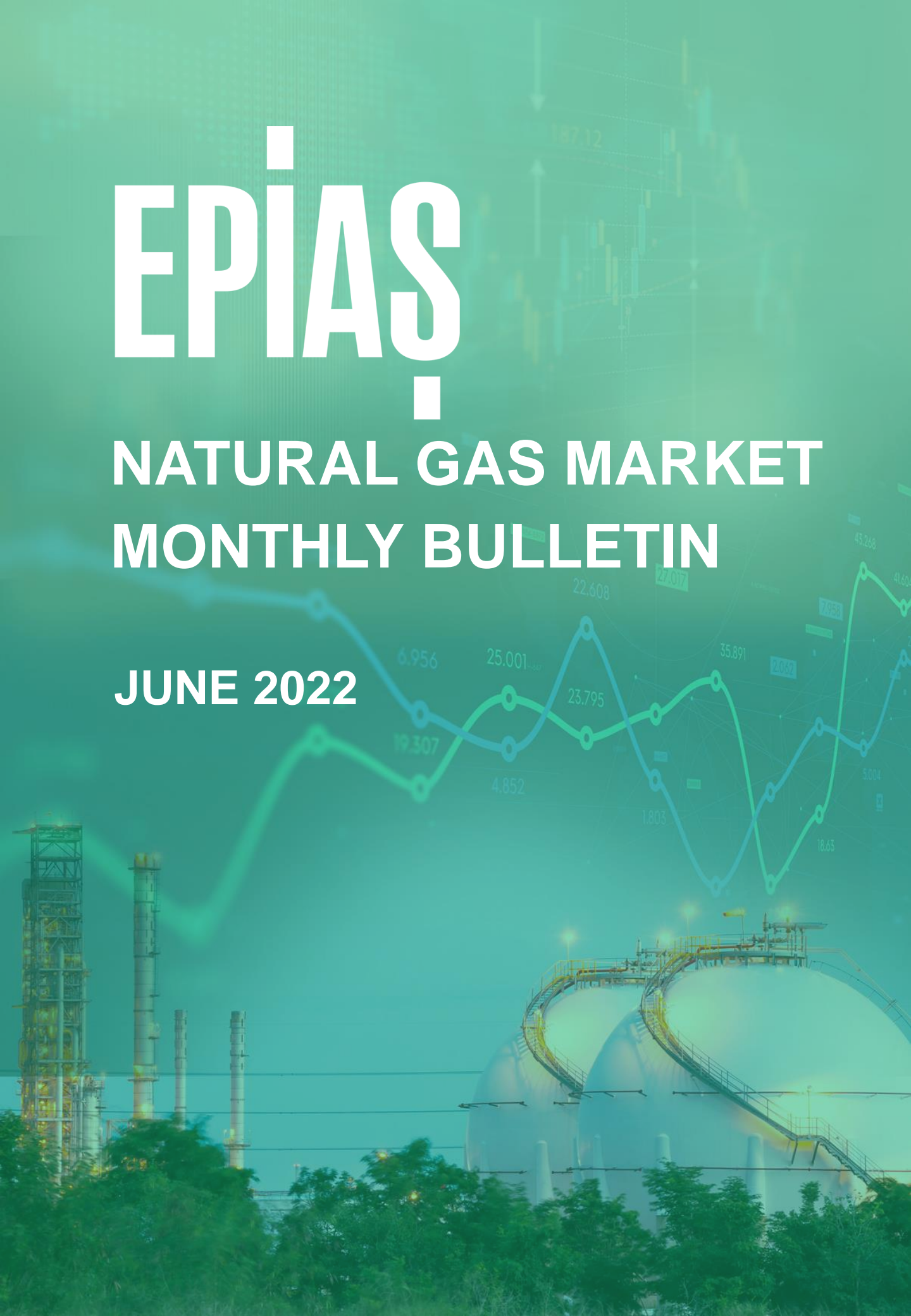


# EPIAS

## NATURAL GAS MARKET MONTHLY BULLETIN

JUNE 2022



## SUMMARY DATA (1/2)

## Arithmetic Means

	June 2022	May 2022	Monthly Change	June 2021	Annual Change
DRP (TL/'000 Sm <sup>3</sup> )	<b>12.666</b>	11.876	6.6%	1.821	595.6%
WRP (TL/'000 Sm <sup>3</sup> )	<b>0</b>	0	-	0	-
BGPP (TL/'000 Sm <sup>3</sup> )	<b>13.073</b>	12.234	6.9%	1.886	593.2%
BGSP (TL/'000 Sm <sup>3</sup> )	<b>12.283</b>	11.520	6.6%	1.764	596.2%
Traded Volume (mio.Sm <sup>3</sup> )	<b>4,54</b>	4,66	-2.5%	4,25	6.9%
Transaction Volume (TL)	<b>57.093.060</b>	55.364.183	3.1%	7.810.516	631.0%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>123,35</b>	116,88	5.5%	141,61	-12.9%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>123,46</b>	116,34	6.1%	141,71	-12.9%
Number of Ordered Participants	<b>7</b>	7	0.9%	20	-66.0%
Number of Orders	<b>13</b>	11	19.9%	67	-80.2%
Number of Trades	<b>4</b>	4	5.8%	28	-84.5%

## Maximum / Minimum Levels

	June 2022		May 2022		June 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm <sup>3</sup> )	<b>13.005</b>	<b>12.000</b>	12.061	11.506	2.000	1.705
WRP (TL/'000 Sm <sup>3</sup> )	<b>0</b>	<b>0</b>	0	0	0	0
BGPP (TL/'000 Sm <sup>3</sup> )	<b>13.395</b>	<b>12.360</b>	12.423	11.851	2.180	1.756
BGSP (TL/'000 Sm <sup>3</sup> )	<b>12.615</b>	<b>11.640</b>	11.700	11.161	1.940	1.654
Traded Volume (mio.Sm <sup>3</sup> )	<b>15,52</b>	<b>0,14</b>	13,83	0,05	11,05	2,26
Transaction Volume (TL)	<b>196.908.105</b>	<b>1.781.710</b>	163.874.620	610.000	22.054.288	4.526.000
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>152,04</b>	<b>100,59</b>	143,47	75,60	151,58	117,29
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>142,30</b>	<b>97,70</b>	136,41	77,61	152,02	118,11
Number of Ordered Participants	<b>8</b>	<b>6</b>	11	4	23	18
Number of Orders	<b>23</b>	<b>8</b>	23	7	108	29
Number of Trades	<b>7</b>	<b>2</b>	8	1	42	10

## SUMMARY DATA (2/2)

## Totals

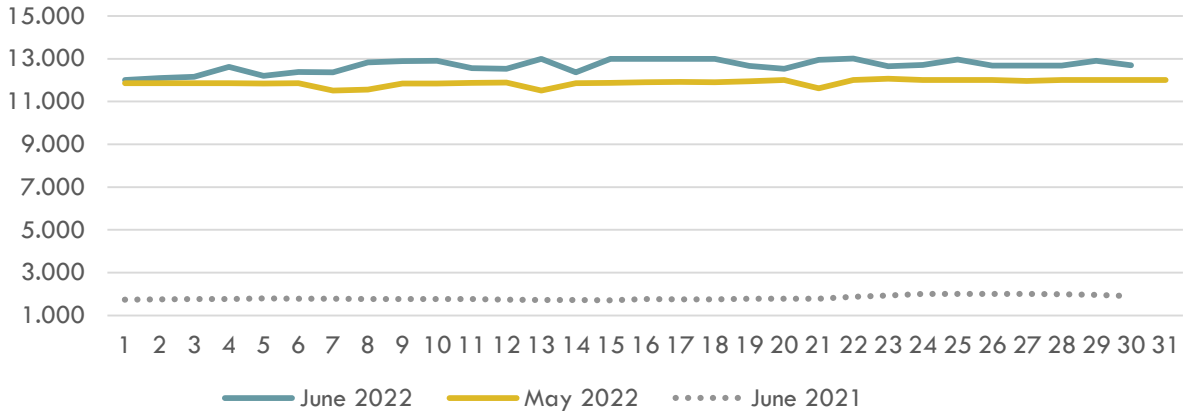
	June 2022	May 2022	Monthly Change	June 2021	Annual Change
Traded Volume (mio.Sm <sup>3</sup> )	<b>136,23</b>	144,42	-5.7%	127,49	6.9%
Transaction Volume (TL)	<b>1.712.791.812</b>	1.716.289.688	-0.2%	234.315.489	631.0%
Gas Entry Volume (mio.Sm <sup>3</sup> )	<b>3.700,43</b>	3.623,14	2.1%	4.248,19	-12.9%
Gas Exit Volume (mio.Sm <sup>3</sup> )	<b>3.703,67</b>	3.606,63	2.7%	4.251,44	-12.9%
Number of Orders	<b>398</b>	343	16.0%	2.006	-80.2%
Number of Trades	<b>129</b>	126	2.4%	834	-84.5%
Total Production of Natural Gas Based Power Plants (MWh)	<b>4.906.834</b>	3.904.497	25.7%	9.041.535	-45.7%
Total Electricity Generation (MWh)	<b>25.185.850</b>	23.549.016	7.0%	24.695.574	2.0%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	<b>19</b>	17	17.5%	37	-46.8%

## Brent Oil and TTF Prices

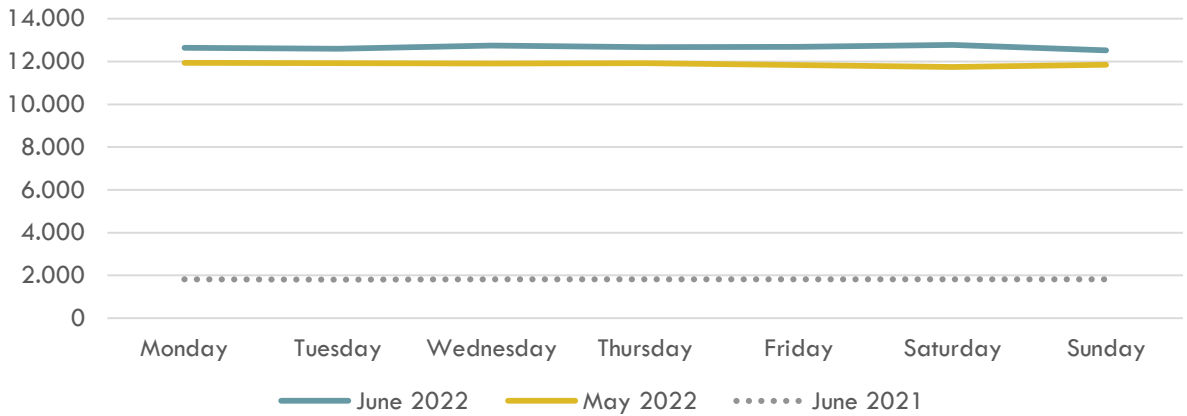
	June 2022	May 2022	Monthly Change	June 2021	Annual Change
Brent Oil(\$/bl)	<b>117,5</b>	111,95	4,96%	73,4	60,08%
TTF (€/MWh)	<b>102,76</b>	88,23	16,47%	29,14	252,64%

PRICES (1/2)

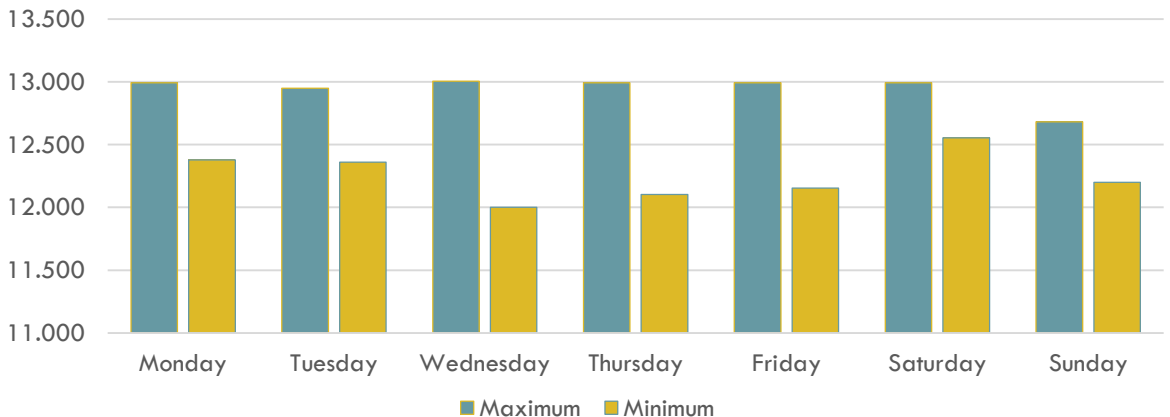
Natural Gas Market DRP (TL/'000 Sm<sup>3</sup>)



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

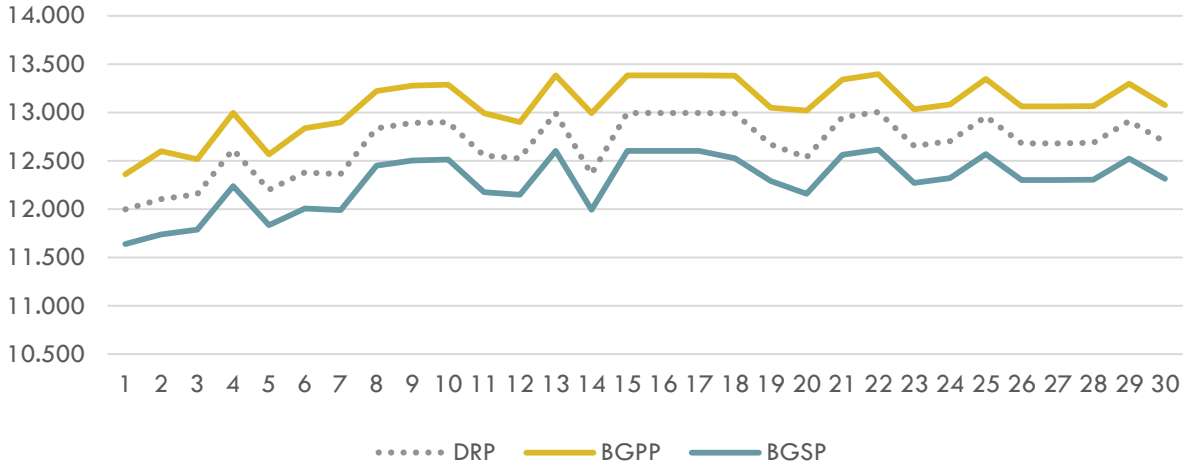


June 2022 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm<sup>3</sup>)



PRICES (2/2)

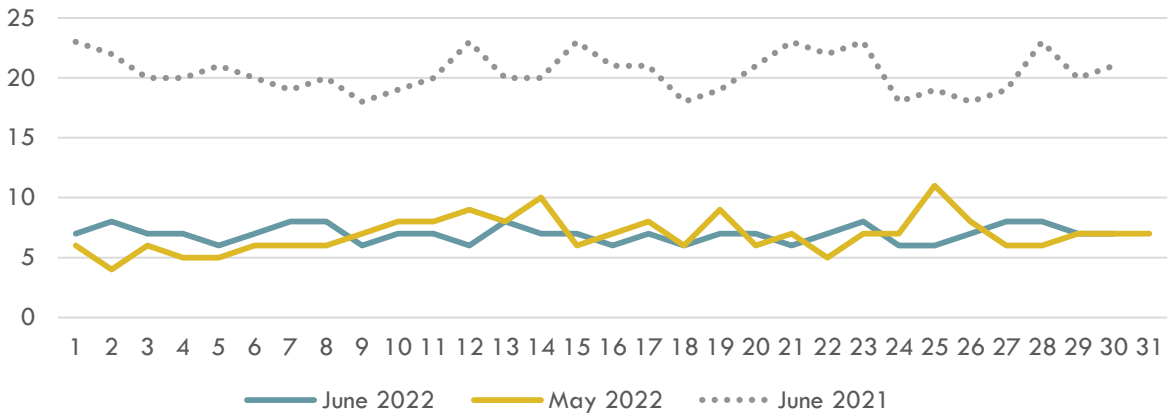
June 2022 DRP - BGPP - BGSP (TL/'000 Sm<sup>3</sup>)



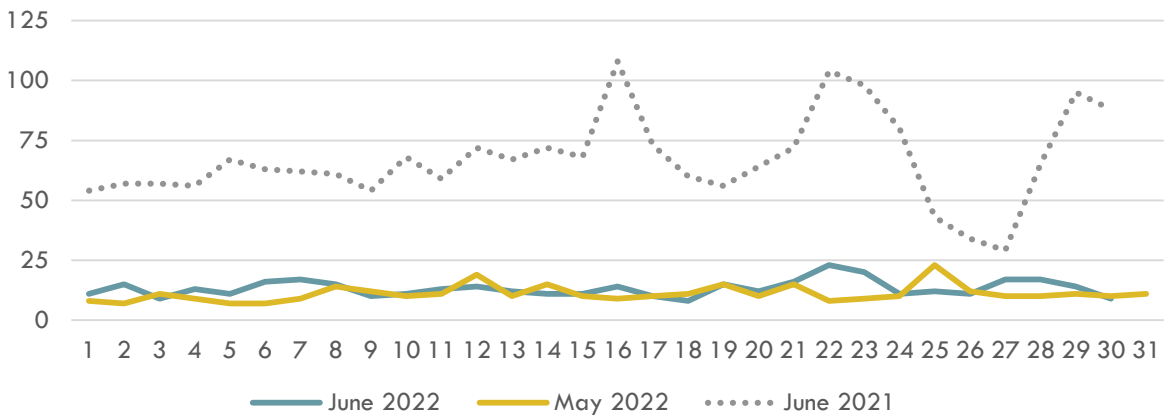
- ✓ The maximum DRP was 13.005 TL on 22 June 2022 Wed; the minimum DRP was realized at the level of 12.000 TL on 01 June 2022 Wed.
- ✓ The Maximum BGPP was 13.395 on 22 June 2022 Wed; the minimum BGPP was realized at the level of 12.360 TL on 01 June 2022 Wed.
- ✓ The maximum BGSP was 12.615 on 22 June 2022 Wed; the minimum BGSP was realized at the level of 11.640 TL on 01 June 2022 Wed.

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

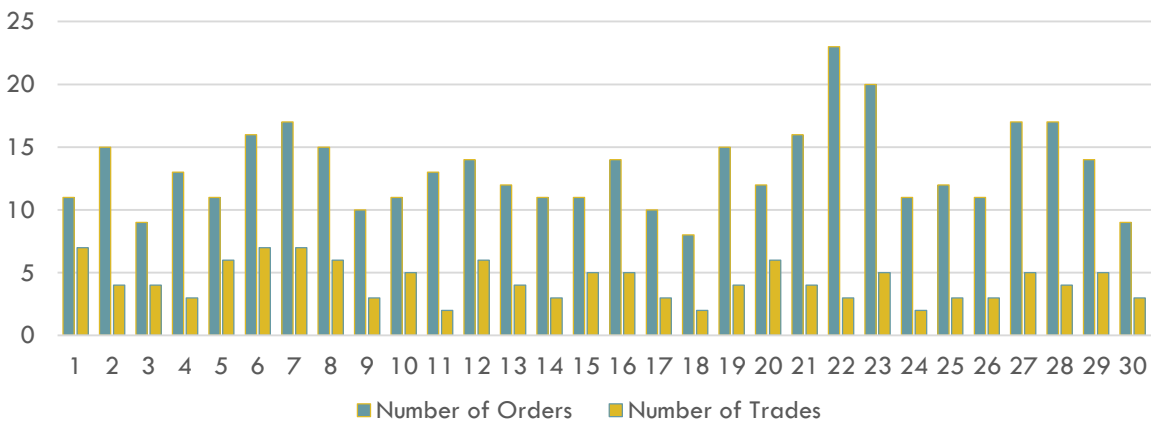
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

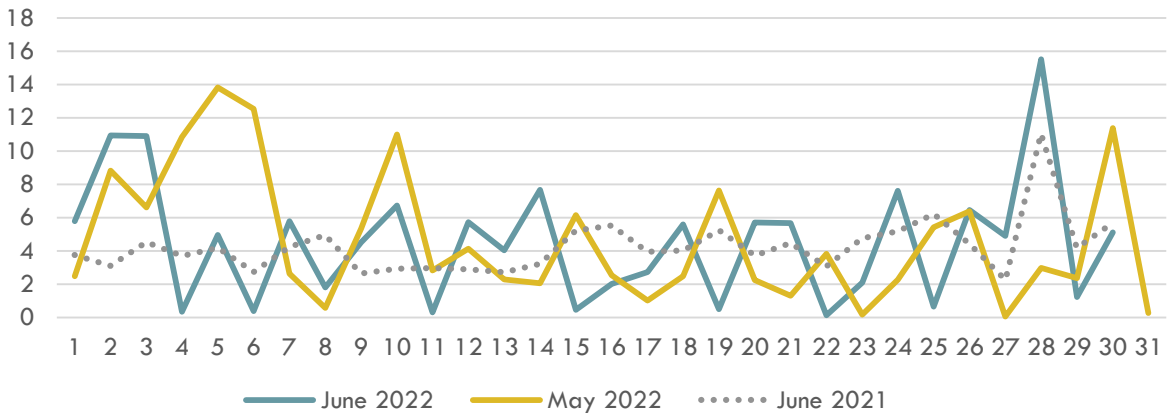


June 2022 Natural Gas Market Number of Orders and Trades

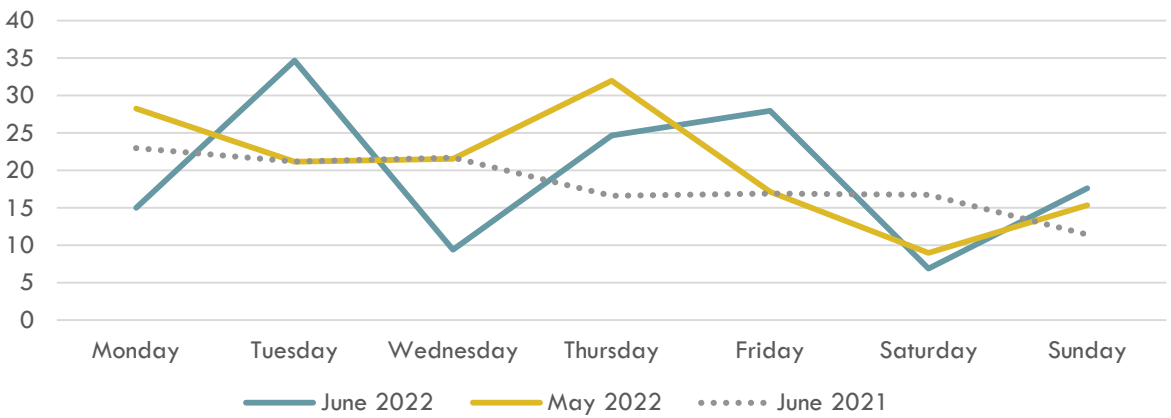


ORDERS, TRADES, VOLUMES (2/3)

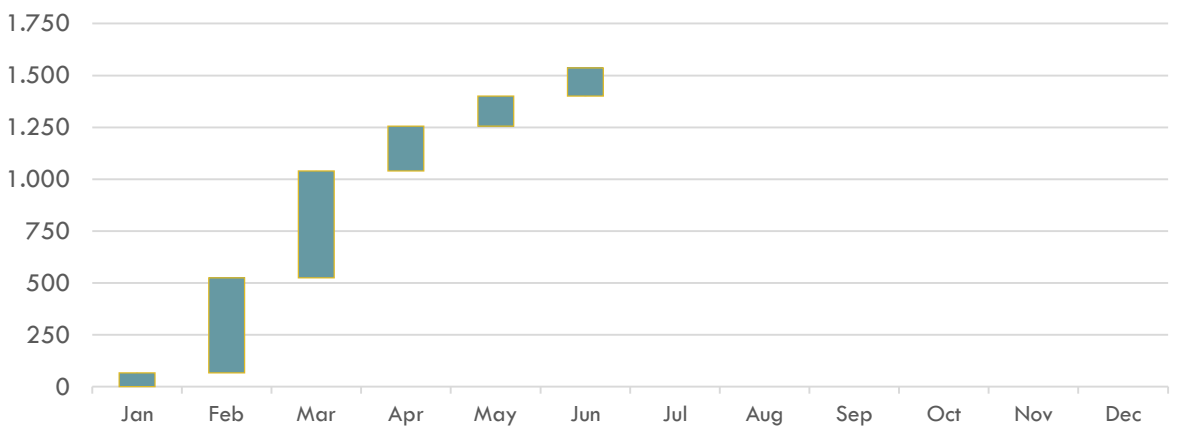
Natural Gas Market Trade Volume (mio.Sm<sup>3</sup>)



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

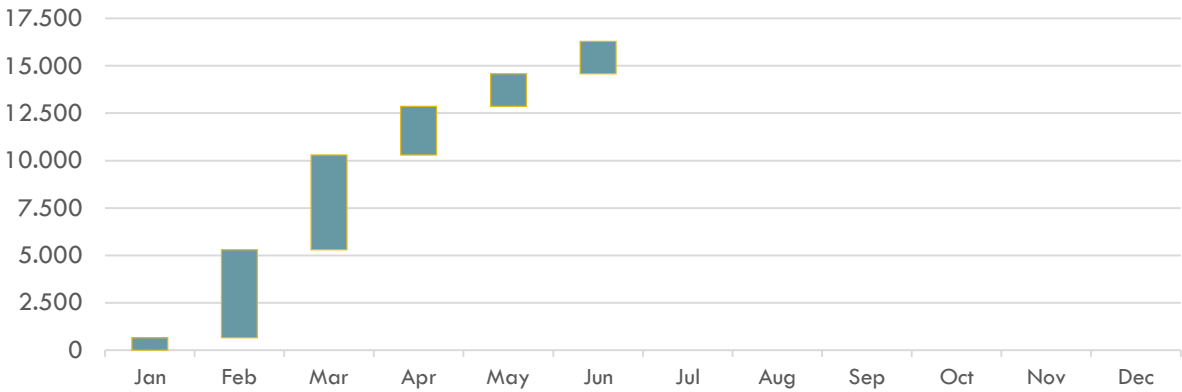


Natural Gas Market Annual Accumulated Trade Volume for 2022 (mio.Sm<sup>3</sup>)

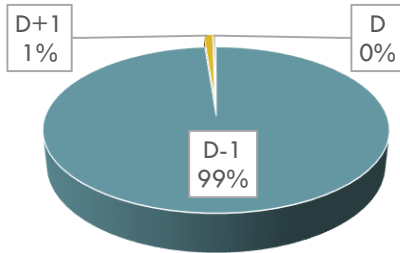


### ORDERS, TRADES, VOLUMES (3/3)

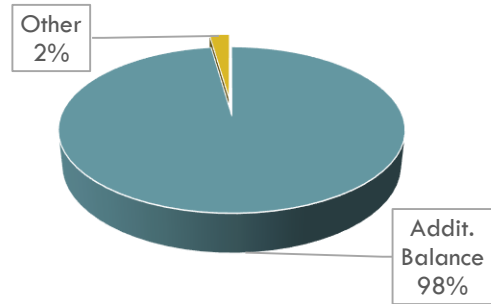
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for June 2022 Period by Sessions



Additional Balancing Traded Volume for June 2022 Period

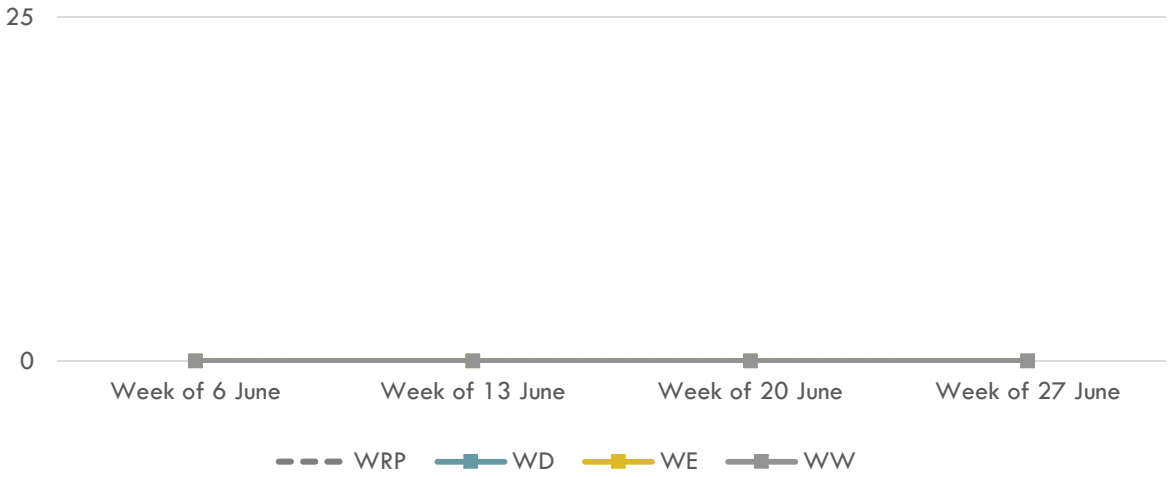


- ✓ The maximum total traded volume was 15.521 sm<sup>3</sup> on 28 June 2022 Tue; the minimum total traded volume was realized at the level of 137 sm<sup>3</sup> on 22 June 2022 Wed.
- ✓ The maximum total transaction volume was 196.908.105 TL on 28 June 2022 Tue; the minimum total transaction volume was realized at the level of 1.781.710 TL on 22 June 2022 Wed.
- ✓ The maximum d-1 traded volume was 15.421.000 sm<sup>3</sup> on 28 June 2022 Tue; the minimum d-1 traded amount was realized at the level of 35.000 sm<sup>3</sup> on 22 June 2022 Wed.
- ✓ The maximum d-1 traded volume was 195.618.105 TL on 28 June 2022 Tue; the minimum d-1 traded amount was realized at the level of 455.700 TL on 22 June 2022 Wed.
- ✓ The maximum d traded volume was 101.000 sm<sup>3</sup> on 02 June 2022 Thu; the minimum d traded amount was realized at the level of 0 sm<sup>3</sup> on 01 June 2022 Wed.
- ✓ The maximum d traded volume was 1.300.000 TL on 22 June 2022 Wed; the minimum d traded amount was realized at the level of 0 TL on 01 June 2022 Wed.
- ✓ The maximum d+1 traded volume was 114.000 sm<sup>3</sup> on 07 June 2022 Tue; the minimum d+1 traded amount was realized at the level of 0 sm<sup>3</sup> on 02 June 2022 Thu.
- ✓ The maximum d+1 traded volume was 1.447.800 TL on 07 June 2022 Tue; the minimum d+1 traded amount was realized at the level of 0 TL on 02 June 2022 Thu.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 3,7% in June 2022.
- ✓ Ctp share in virtual trade was realized at 28,2% in June 2022.

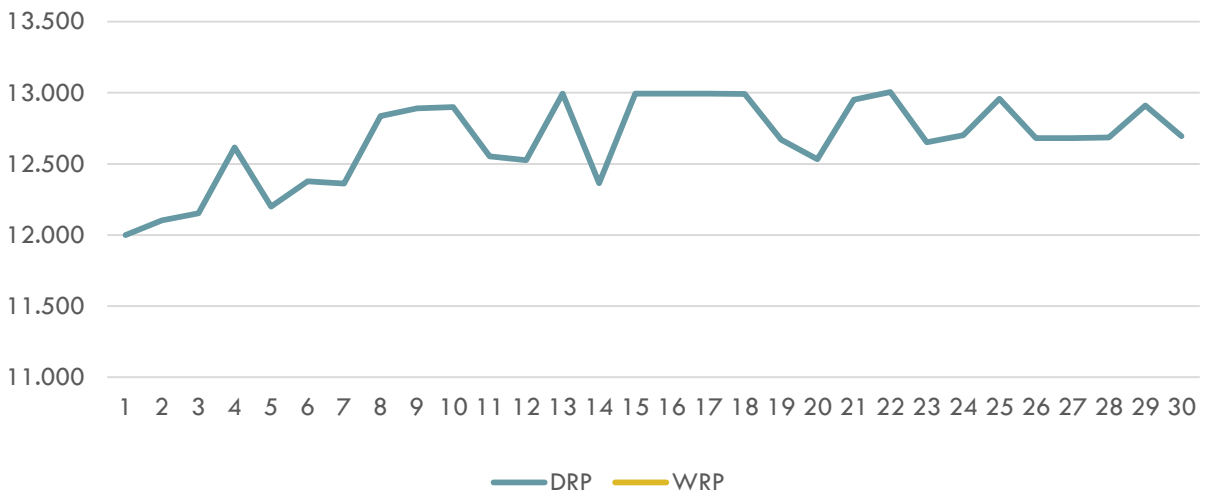


WEEKLY PRODUCTS (1/2)

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

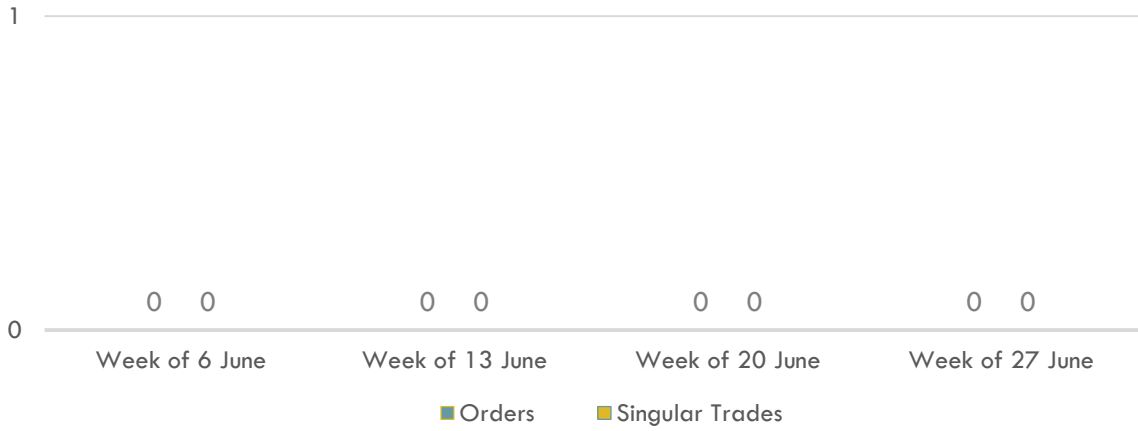


June 2022 DRP - WRP (TL/'000 Sm<sup>3</sup>)

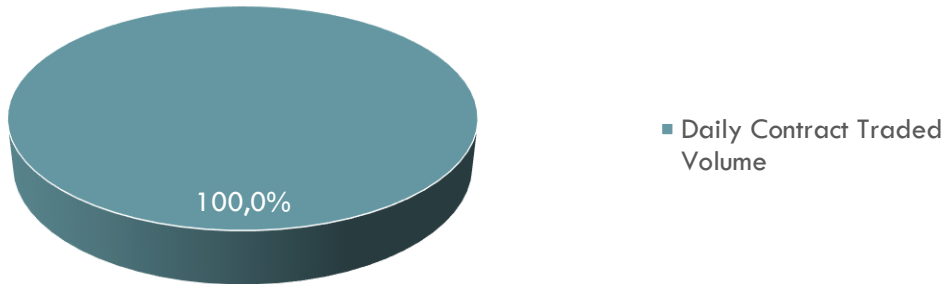


### WEEKLY PRODUCTS (2/2)

June 2022 Weekly Products Number of Orders and Trades



June 2022 Traded Volume Distribution by Contract Type



## STP

Last 1 Year Trades

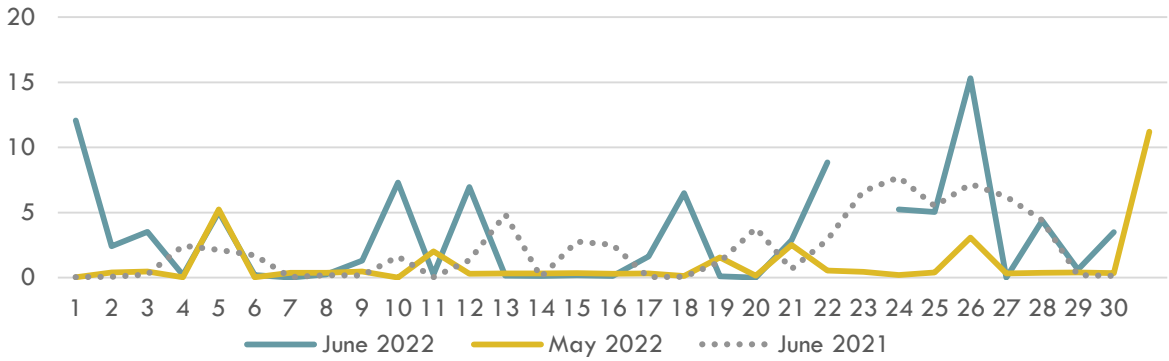
Period	Traded Volume (mio.Sm <sup>3</sup> )	Traded Amount (TL)
Jun 2021	127,49	234.315.489
Jul 2021	95,74	198.270.544
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803
Feb 2022	458,09	1.044.258.193
Mar 2022	515,31	1.692.333.624
Apr 2022	216,42	1.565.597.680
May 2022	144,42	1.116.289.688
Jun 2022	136,23	1.412.791.812

CTP's share in Total Cons. and Virtual Trade

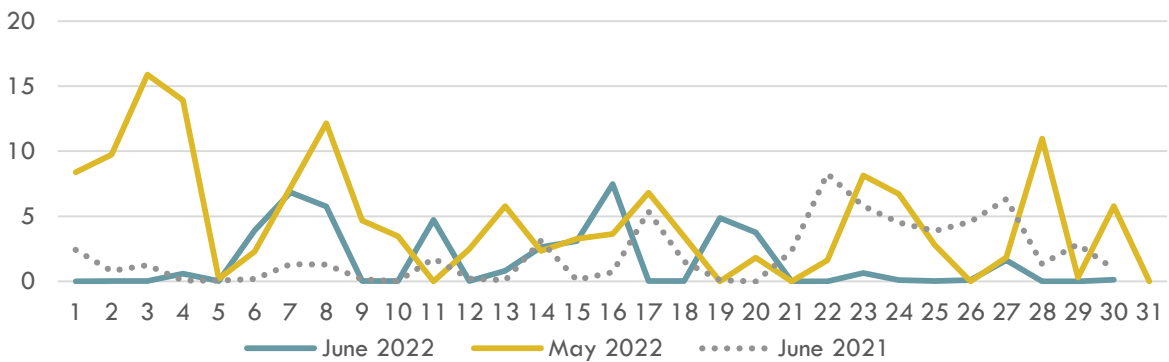
Period	Total Consumption (%)	Virtual Trade (%)
Jun 2021	2,9%	20,7%
Jul 2021	2,3%	16,4%
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%
Feb 2022	7,2%	31,9%
Mar 2022	7,3%	38,6%
Apr 2022	5,1%	40,5%
May 2022	3,9%	29,9%
Jun 2022	3,7%	28,2%

### TRANSMISSION SYSTEM DATA (1/2)

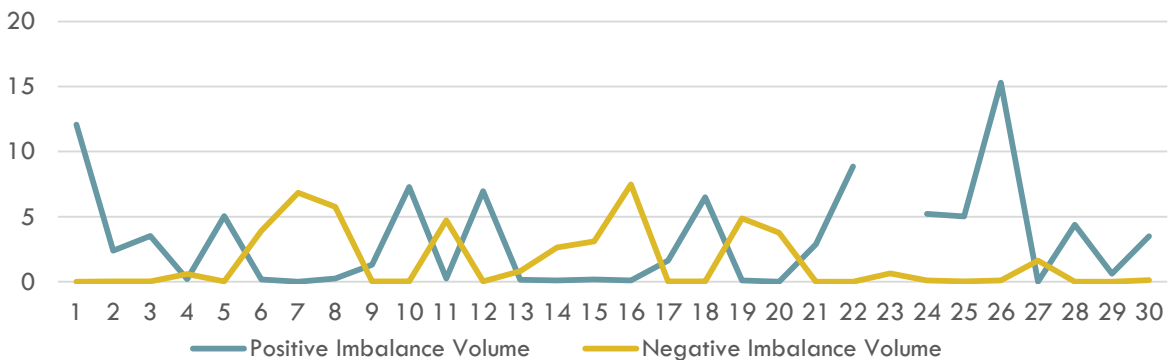
Natural Gas Market Positive Imbalance Volume (mio.Sm<sup>3</sup>)



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



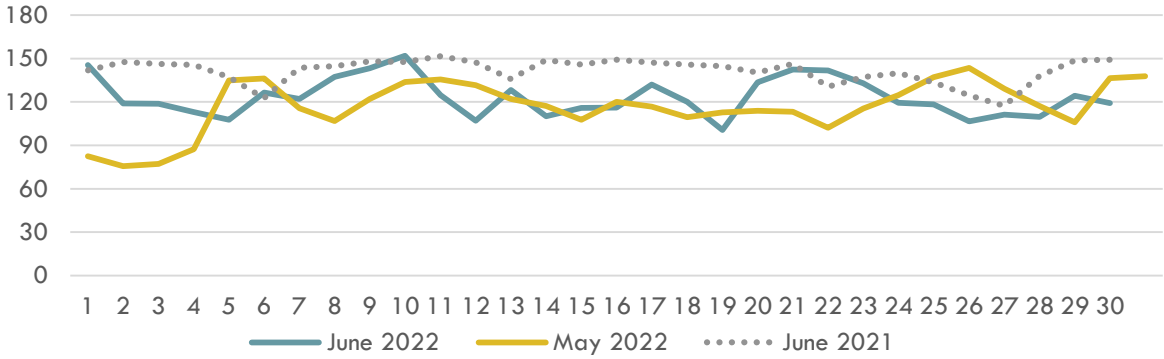
June 2022 Period Negative and Positive Imbalance Volume (mio.Sm<sup>3</sup>)



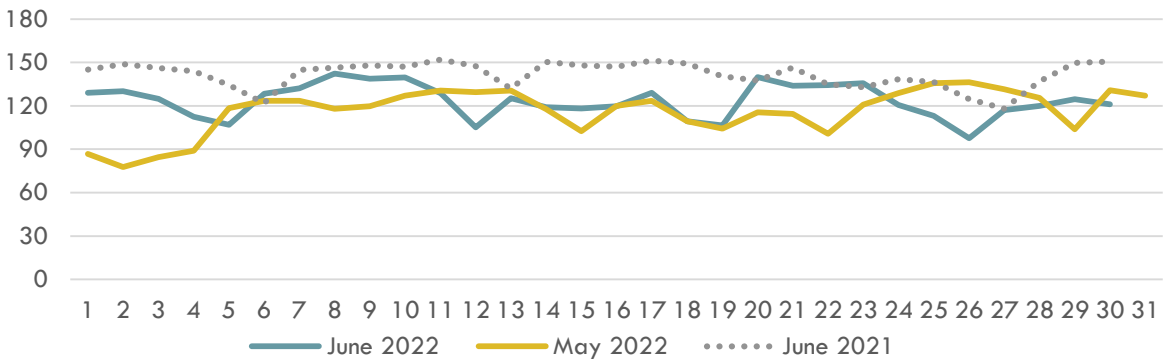
- ✓ The maximum positive imbalance volume was 15.306.821 sm<sup>3</sup> on 26 June 2022 Sun; the minimum positive imbalance volume was realized at the level of 0 sm<sup>3</sup> on 23 June 2022 Thu.
- ✓ The maximum negative imbalance volume was 7.478.594 sm<sup>3</sup> on 16 June 2022 Thu; the minimum negative imbalance volume was realized at the level of 1.209 sm<sup>3</sup> on 01 June 2022 Wed.

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

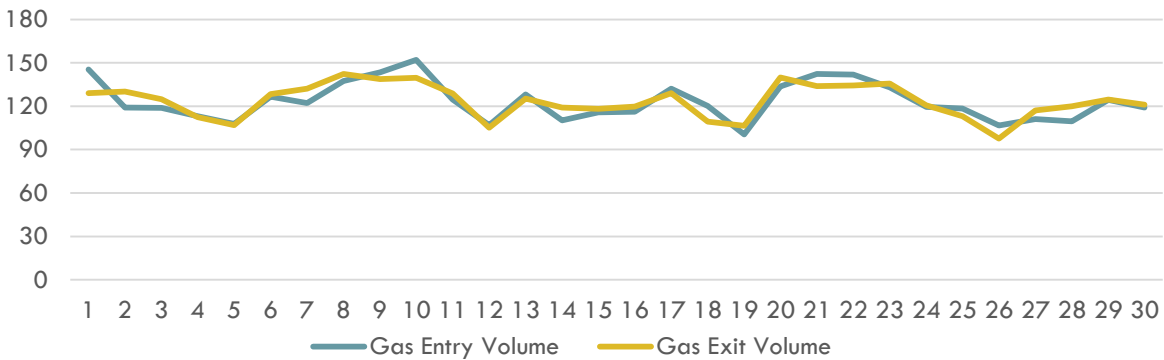
Natural Gas Market Gas Entry Volume (mio.Sm<sup>3</sup>)



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 10 June 2022 Fri was 152.039.211 sm<sup>3</sup>; minimum gas entry volume on 19 June 2022 Sun was 100.585.459 sm<sup>3</sup> levels.
- ✓ Maximum gas exit volume realized on 08 June 2022 Wed was 142.298.192 sm<sup>3</sup>; minimum gas exit volume 26 June 2022 Sun was 97.702.508 sm<sup>3</sup> levels.
- ✓ Maximum gas volume in stocks realized on 01 June 2022 Wed was 431.639.120 sm<sup>3</sup>; minimum stok gas volume 08 June 2022 Wed was 398.955.242 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
01.06.2022	5.625	12.000	Purchase
02.06.2022	10.839	12.100	Sales
03.06.2022	10.800	12.150	Sales
04.06.2022	247	12.600	Purchase
05.06.2022	4.849	12.200	Sales
06.06.2022	271	12.355	Sales
07.06.2022	5.677	12.361	Sales
08.06.2022	1.690	12.836	Purchase
09.06.2022	4.412	12.895	Purchase
10.06.2022	6.633	12.900	Purchase
11.06.2022	204	12.553	Sales
12.06.2022	5.673	12.525	Sales
13.06.2022	3.926	12.994	Purchase
14.06.2022	7.571	12.364	Sales
15.06.2022	350	12.992	Purchase
16.06.2022	1.905	12.993	Purchase
17.06.2022	2.622	12.993	Purchase
18.06.2022	5.494	12.991	Purchase
19.06.2022	372	12.670	Sales
20.06.2022	5.423	12.526	Sales
21.06.2022	5.533	12.950	Purchase
22.06.2022	35	13.020	Purchase
23.06.2022	2.098	12.650	Sales
24.06.2022	7.579	12.702	Sales
25.06.2022	536	12.950	Purchase
26.06.2022	6.447	12.681	Sales
27.06.2022	4.822	12.681	Sales
28.06.2022	15.421	12.685	Sales
29.06.2022	1.013	12.890	Purchase
30.06.2022	5.112	12.695	Sales

## 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 15.421.000 sm<sup>3</sup> on 28 June 2022 Tue; additional balancing transactions with a minimum code of 1 were realized at the level of 35.000 sm<sup>3</sup> on 22 June 2022 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.