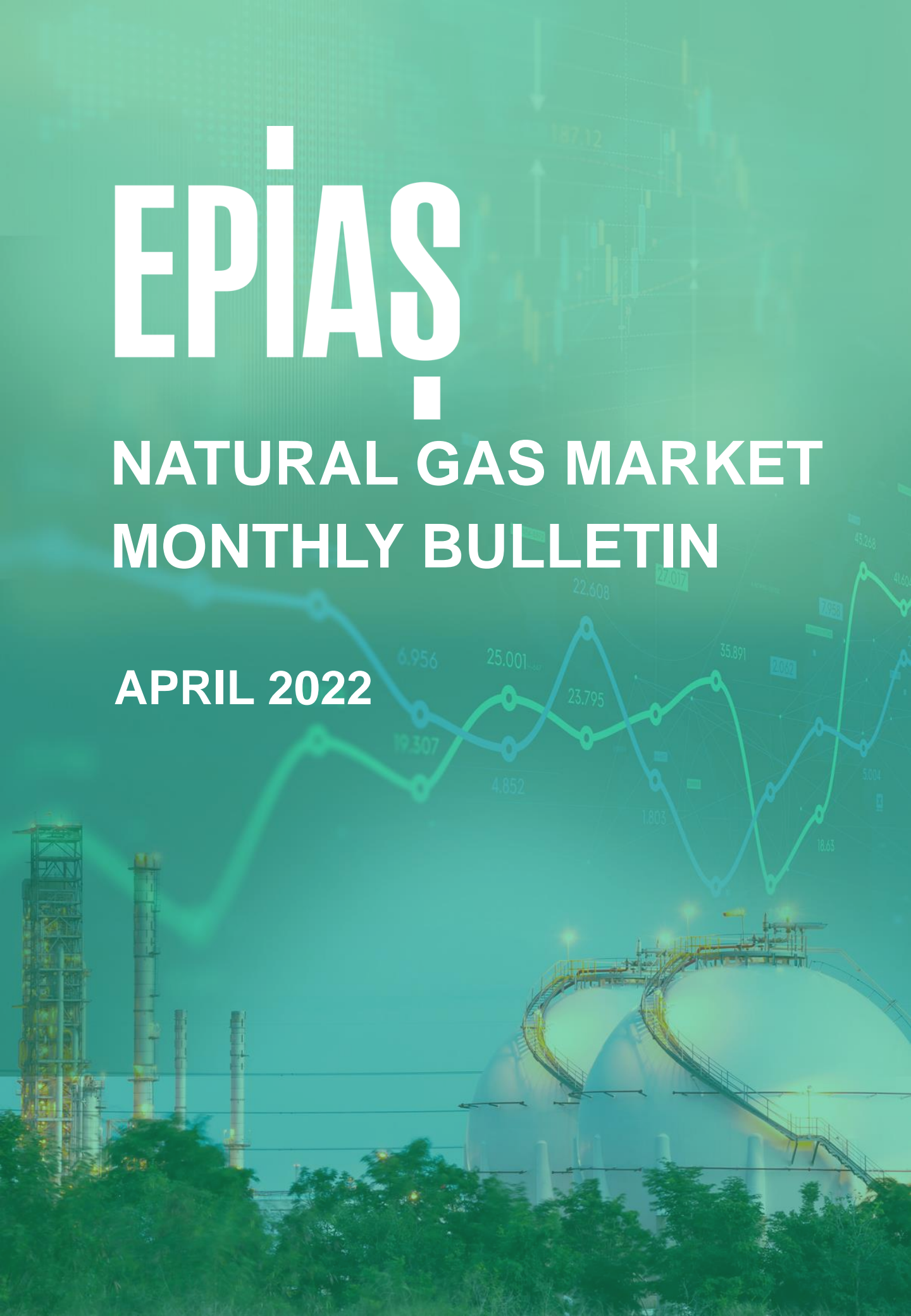


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

APRIL 2022



SUMMARY DATA (1/2)

Arithmetic Means

	April 2022	March 2022	Monthly Change	April 2021	Annual Change
DRP (TL/'000 Sm ³)	11.863	9.669	22.7%	1.663	613.2%
WRP (TL/'000 Sm ³)	0	0	-	1.630	-100.0%
BGPP (TL/'000 Sm ³)	12.219	10.022	21.9%	1.713	613.2%
BGSP (TL/'000 Sm ³)	11.507	9.379	22.7%	1.613	613.4%
Traded Volume (mio.Sm ³)	7.214.000	16.623.032	-56.6%	3.323.467	117.1%
Transaction Volume (TL)	85.519.923	161.043.020	-46.9%	5.517.805	1449.9%
Gas Entry Volume (mio.Sm ³)	138.123.334	225.696.162	-38.8%	160.627.753	-14.0%
Gas Exit Volume (mio.Sm ³)	139.497.813	225.156.766	-38.0%	160.465.536	-13.1%
Number of Ordered Participants	10	12	-17.6%	19	-46.6%
Number of Orders	22	32	-29.6%	72	-68.8%
Number of Trades	8	12	-35.5%	35	-78.0%

Maximum / Minimum Levels

	April 2022		March 2022		April 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm ³)	11.989	11.675	9.757	9.531	1.723	1.625
WRP (TL/'000 Sm ³)	0	0	0	0	1.630	1.630
BGPP (TL/'000 Sm ³)	12.349	12.025	11.990	9.817	1.775	1.674
BGSP (TL/'000 Sm ³)	11.629	11.325	9.464	9.245	1.672	1.576
Traded Volume (mio.Sm ³)	26.143.000	105.000	55.902.000	3.320.000	5.283.000	1.695.000
Transaction Volume (TL)	309.033.795	1.238.500	544.687.690	32.305.802	8.718.222	2.792.734
Gas Entry Volume (mio.Sm ³)	170.531.093	103.144.819	257.830.698	186.532.788	202.124.305	127.857.155
Gas Exit Volume (mio.Sm ³)	171.945.959	106.776.946	257.463.245	178.221.445	205.083.704	129.946.773
Number of Ordered Participants	16	7	16	9	21	17
Number of Orders	56	11	52	20	131	58
Number of Trades	23	2	18	6	50	26

SUMMARY DATA (2/2)

Totals

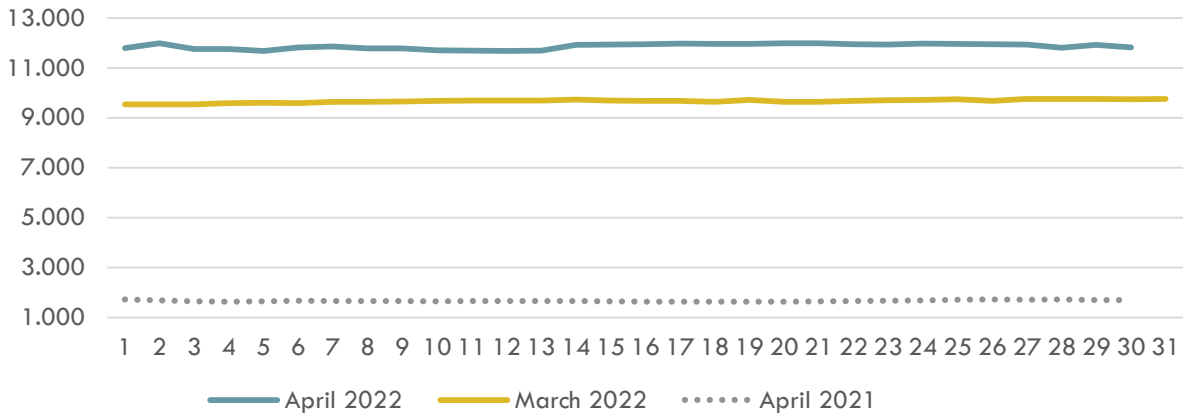
	April 2022	March 2022	Monthly Change	April 2021	Annual Change
Traded Volume (mio.Sm ³)	216.420.000	515.314.000	-58.0%	99.704.000	117.1%
Transaction Volume (TL)	2.565.597.680	4.992.333.624	-48.6%	165.534.142	1449.9%
Gas Entry Volume (mio.Sm ³)	4.143.700.031	6.996.581.033	-40.8%	4.818.832.578	-14.0%
Gas Exit Volume (mio.Sm ³)	4.184.934.380	6.979.859.731	-40.0%	4.813.966.092	-13.1%
Number of Orders	673	988	-31.9%	2.159	-68.8%
Number of Trades	233	373	-37.5%	1.058	-78.0%
Total Production of Natural Gas Based Power Plants (MWh)	4.053.345	5.181.687	-21.8%	4.843.440	-16.3%
Total Electricity Generation (MWh)	24.098.574	26.487.174	-9.0%	23.915.560	0.8%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	17	20	-14.0%	20	-16.9%

Brent Oil and TTF Prices

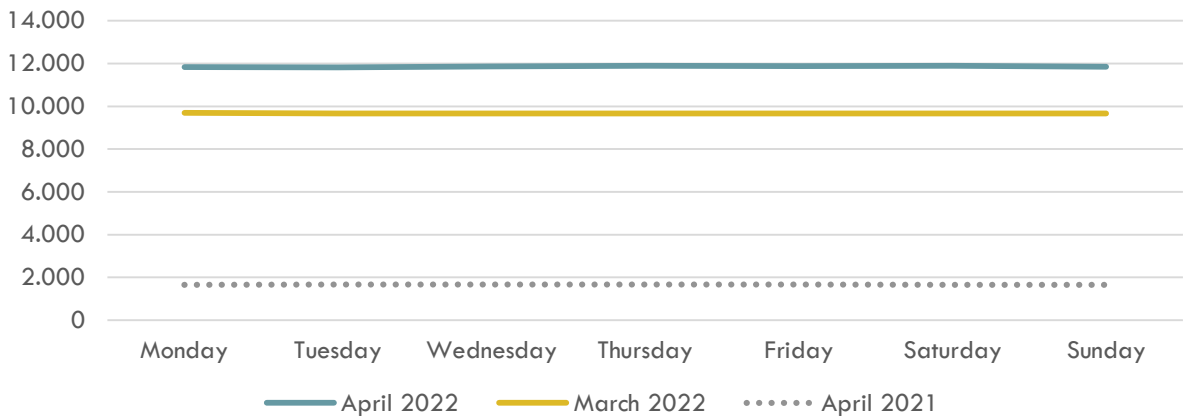
	April 2022	March 2022	Monthly Change	April 2021	Annual Change
Brent Oil(\$/bl)	105,92	112,46	-5,82%	65,33	62,13%
TTF (€/MWh)	99,09	127,43	-22,24%	20,53	382,66%

PRICES (1/2)

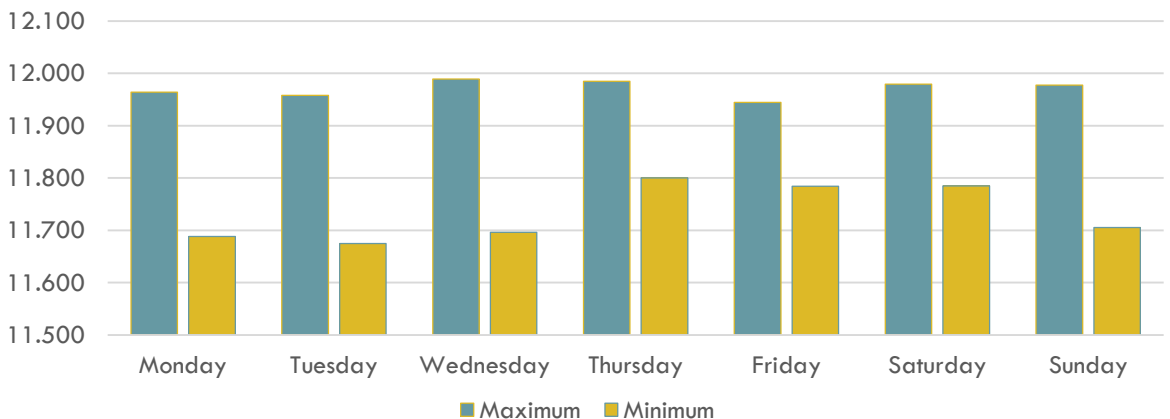
Natural Gas Market DRP (TL/‘000 Sm³)



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

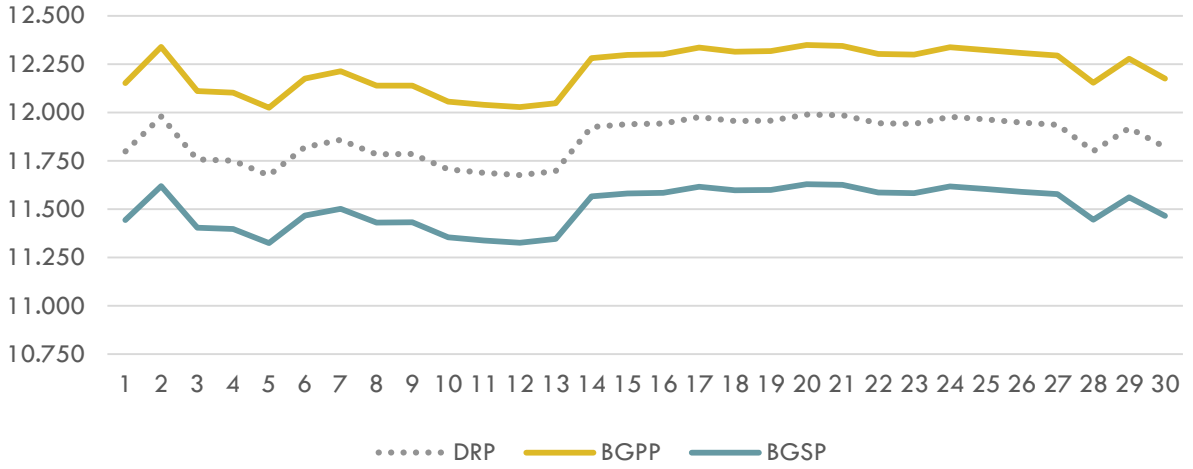


April 2022 Natural Gas Market By Days Max / Min DRP (TL/‘000 Sm³)



PRICES (2/2)

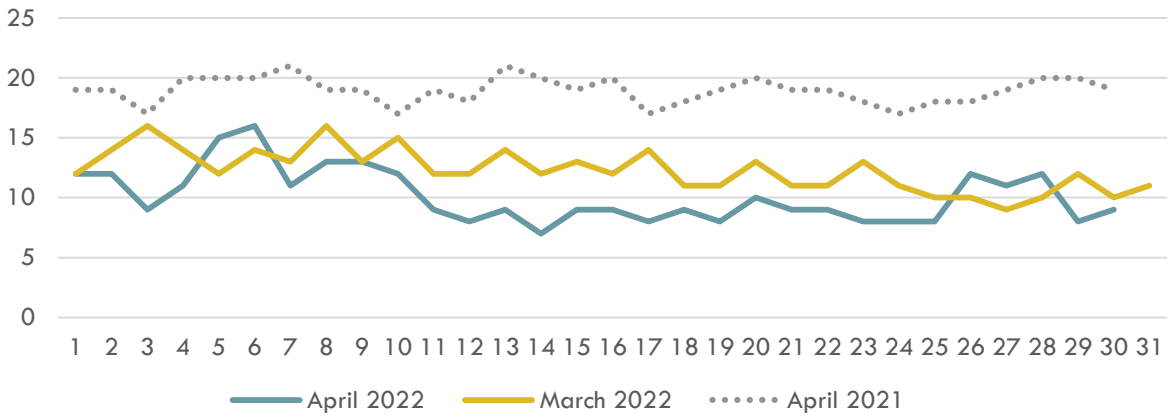
April 2022 DRP - BGPP - BGSP (TL/'000 Sm³)



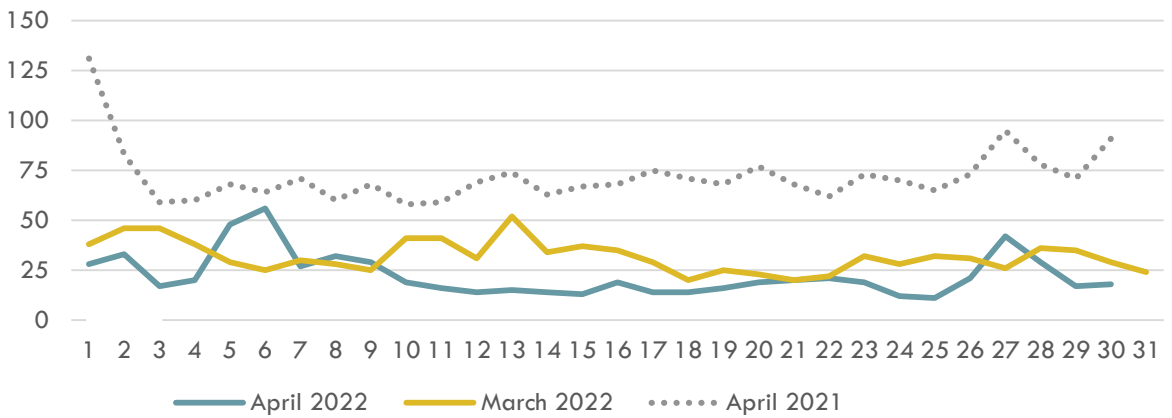
- ✓ The maximum DRP was 11.989 TL on 20 April 2022 Wed; the minimum DRP was realized at the level of 11.675 TL on 05 April 2022 Tue.
- ✓ The Maximum BGPP was 12.349 on 20 April 2022 Wed; the minimum BGPP was realized at the level of 12.025 TL on 05 April 2022 Tue.
- ✓ The maximum BGSP was 11.629 on 20 April 2022 Wed; the minimum BGSP was realized at the level of 11.325 TL on 05 April 2022 Tue.

ORDERS, TRADES, VOLUMES (1/3)

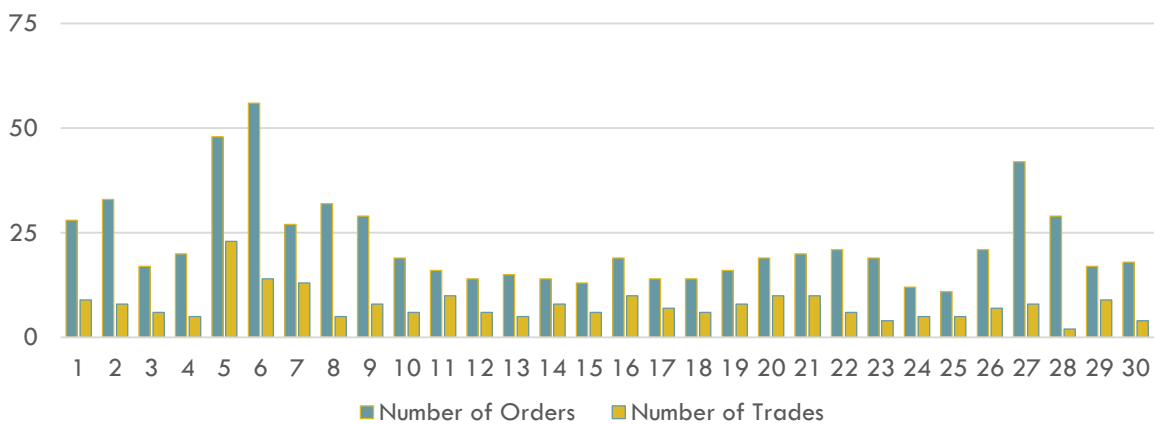
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

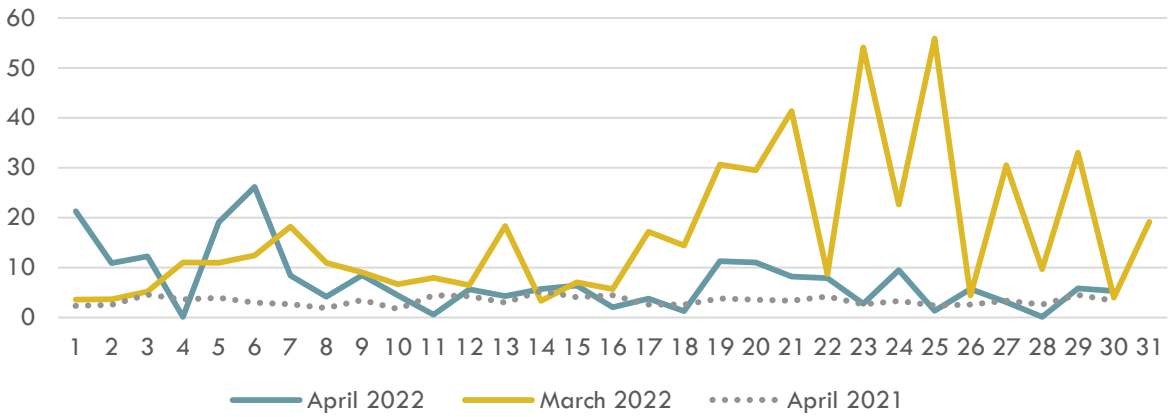


April 2022 Natural Gas Market Number of Orders and Trades

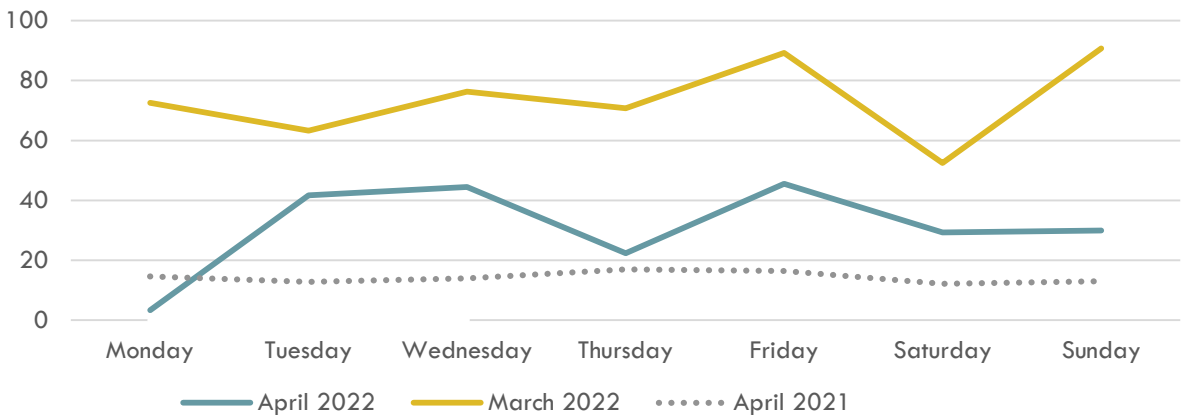


ORDERS, TRADES, VOLUMES (2/3)

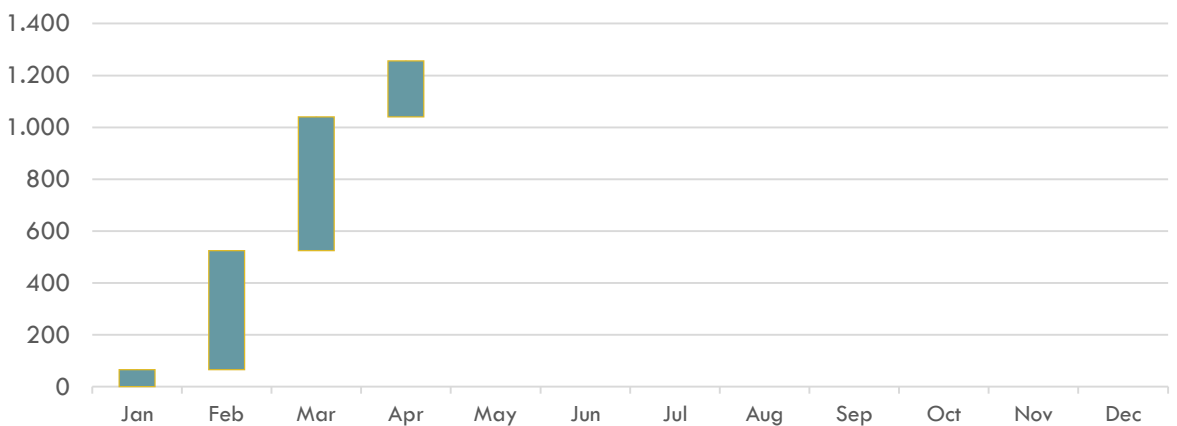
Natural Gas Market Trade Volume (mio.Sm³)



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

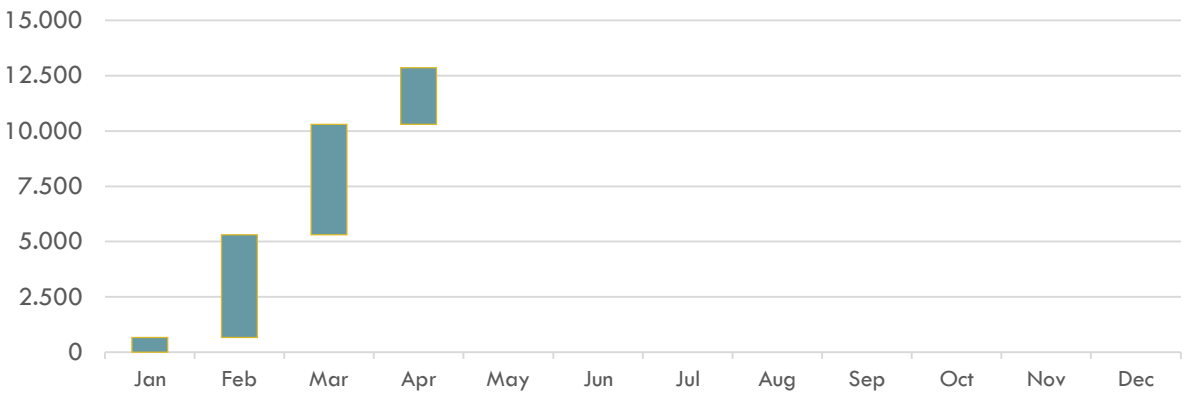


Natural Gas Market Annual Accumulated Trade Volume for 2022 (mio.Sm³)

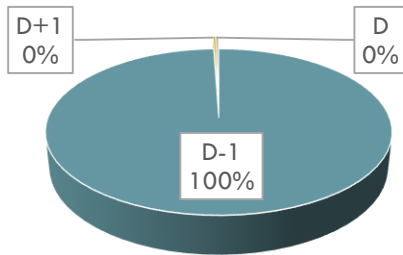


ORDERS, TRADES, VOLUMES (3/3)

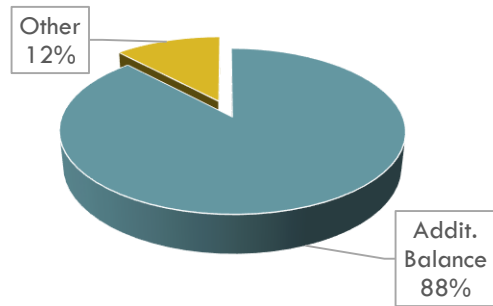
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for April 2022 Period by Sessions



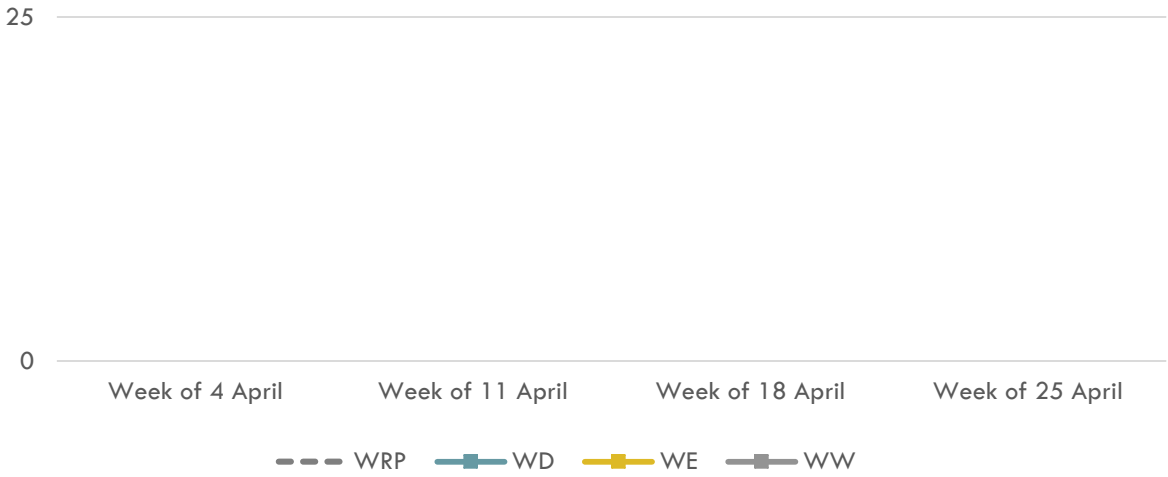
Additional Balancing Traded Volume for April 2022 Period



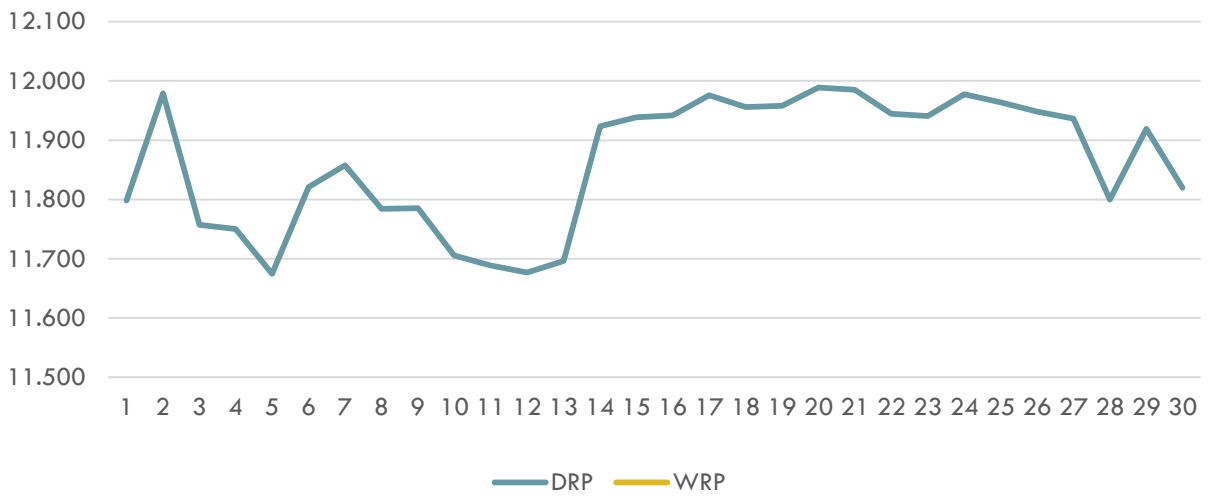
- ✓ The maximum total traded volume was 26.143 sm³ on 06 April 2022 Wed; the minimum total traded volume was realized at the level of 105 sm³ on 28 April 2022 Thu.
- ✓ The maximum total transaction volume was 309.033.795 TL on 06 April 2022 Wed; the minimum total transaction volume was realized at the level of 1.238.500 TL on 28 April 2022 Thu.
- ✓ The maximum d-1 traded volume was 26.139.000 sm³ on 06 April 2022 Wed; the minimum d-1 traded amount was realized at the level of 5.000 sm³ on 04 April 2022 Mon.
- ✓ The maximum d-1 traded volume was 308.986.595 TL on 06 April 2022 Wed; the minimum d-1 traded amount was realized at the level of 58.750 TL on 04 April 2022 Mon.
- ✓ The maximum d traded volume was 140.000 sm³ on 05 April 2022 Tue; the minimum d traded amount was realized at the level of 0 sm³ on 01 April 2022 Fri.
- ✓ The maximum d traded volume was 1.631.500 TL on 05 April 2022 Tue; the minimum d traded amount was realized at the level of 0 TL on 01 April 2022 Fri.
- ✓ The maximum d+1 traded volume was 201.000 sm³ on 16 April 2022 Sat; the minimum d+1 traded amount was realized at the level of 0 sm³ on 01 April 2022 Fri.
- ✓ The maximum d+1 traded volume was 2.425.400 TL on 16 April 2022 Sat; the minimum d+1 traded amount was realized at the level of 0 TL on 01 April 2022 Fri.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 5,1% in April 2022.
- ✓ Ctp share in virtual trade was realized at 40,5% in April 2022.

WEEKLY PRODUCTS (1/2)

April 2022 WRP - WD - WE - WW (TL/'000 Sm³)

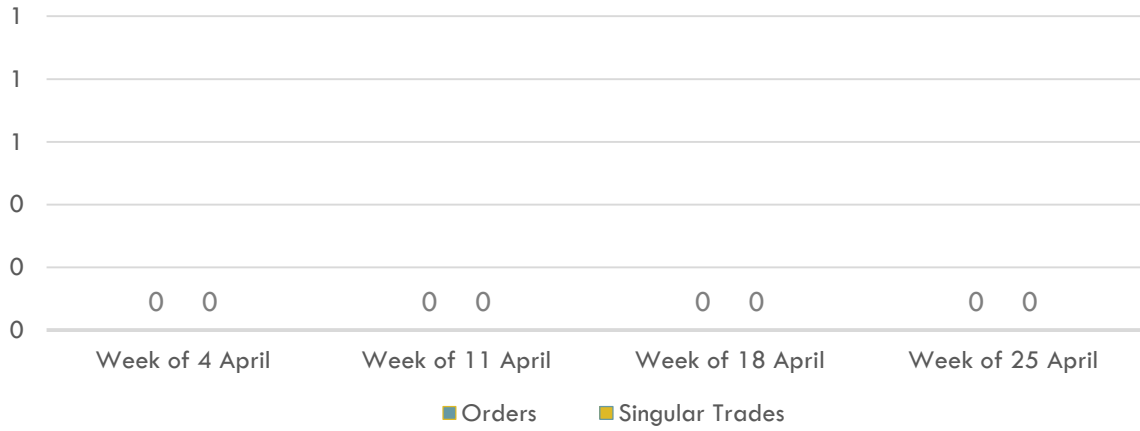


April 2022 DRP - WRP (TL/'000 Sm³)

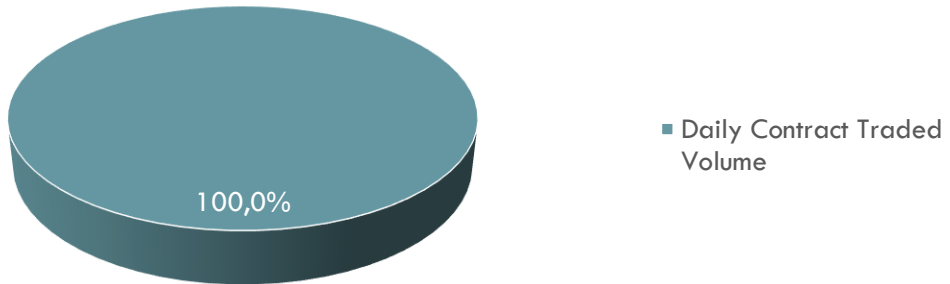


WEEKLY PRODUCTS (2/2)

April 2022 Weekly Products Number of Orders and Trades



April 2022 Traded Volume Distribution by Contract Type



April 2022 Distribution of Single Number of Trades by Weekly Product Types



STP

Last 1 Year Trades

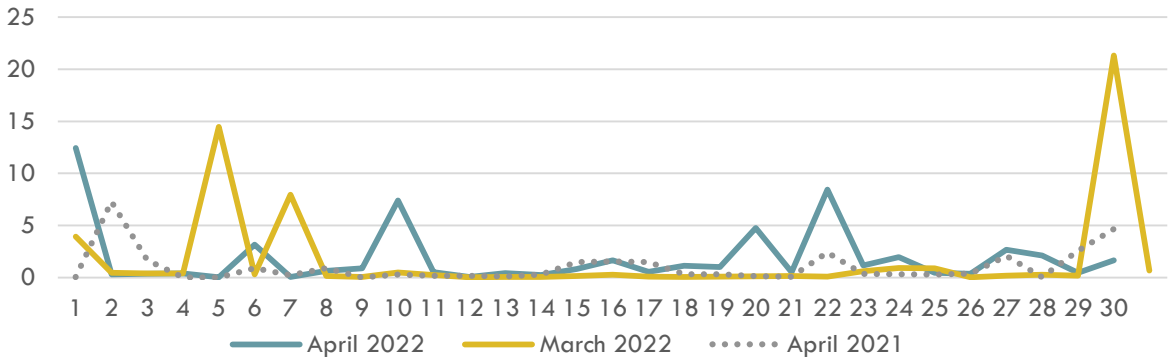
Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Apr 2021	99,70	165.534.142
May 2021	123,50	213.116.614
Jun 2021	127,49	234.315.489
Jul 2021	95,74	198.270.544
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803
Feb 2022	458,09	1.044.258.193
Mar 2022	515,31	1.692.333.624
Apr 2022	216,42	1.565.597.680

CTP's share in Total Cons. and Virtual Trade

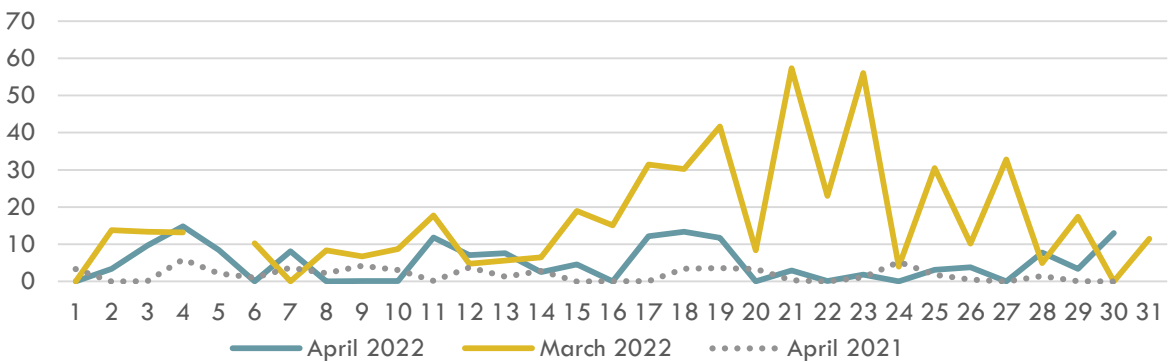
Period	Total Consumption (%)	Virtual Trade (%)
Apr 2021	2,0%	17,4%
May 2021	3,3%	14,2%
Jun 2021	2,9%	20,7%
Jul 2021	2,3%	16,4%
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%
Feb 2022	7,2%	31,9%
Mar 2022	7,3%	38,6%
Apr 2022	5,1%	40,5%

TRANSMISSION SYSTEM DATA (1/2)

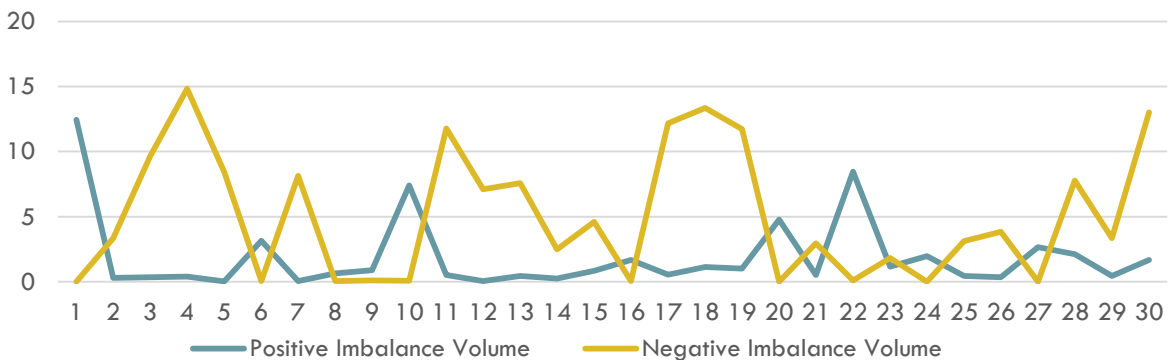
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



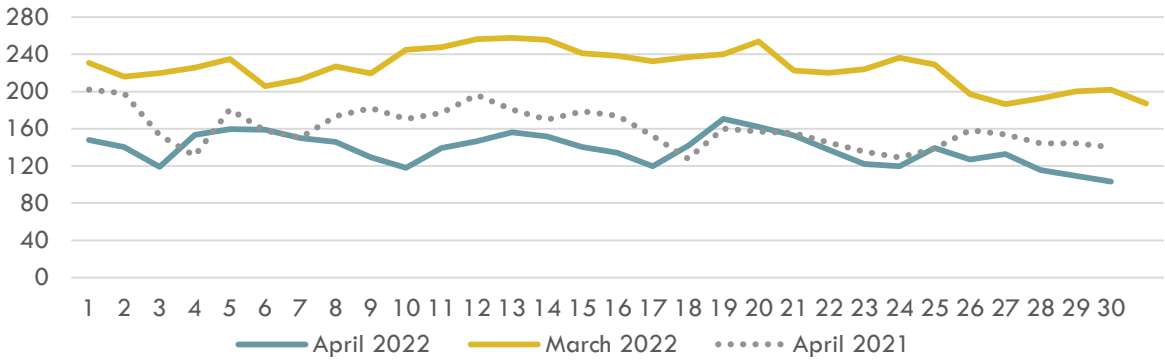
April 2022 Period Negative and Positive Imbalance Volume (mio.Sm³)



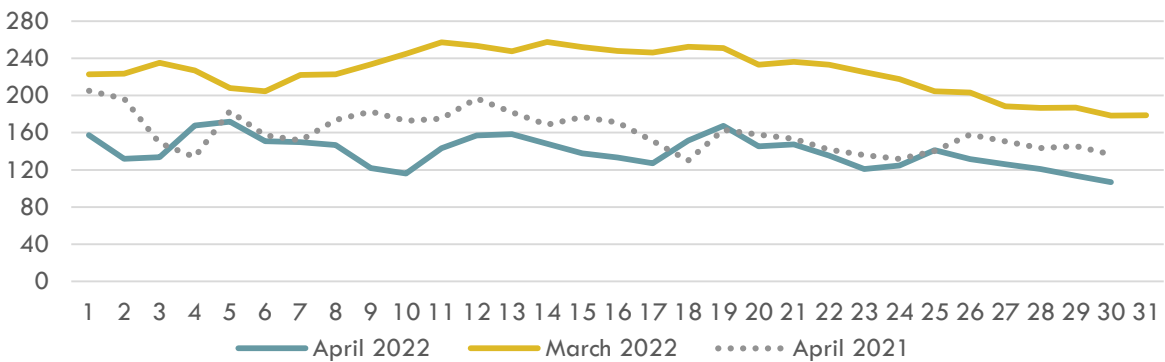
- ✓ The maximum positive imbalance volume was 12.442.021 sm³ on 01 April 2022 Fri; the minimum positive imbalance volume was realized at the level of 41.751 sm³ on 05 April 2022 Tue.
- ✓ The maximum negative imbalance volume was 14.819.889 sm³ on 04 April 2022 Mon; the minimum negative imbalance volume was realized at the level of 103 sm³ on 20 April 2022 Wed.

TRANSMISSION SYSTEM DATA (2/2)

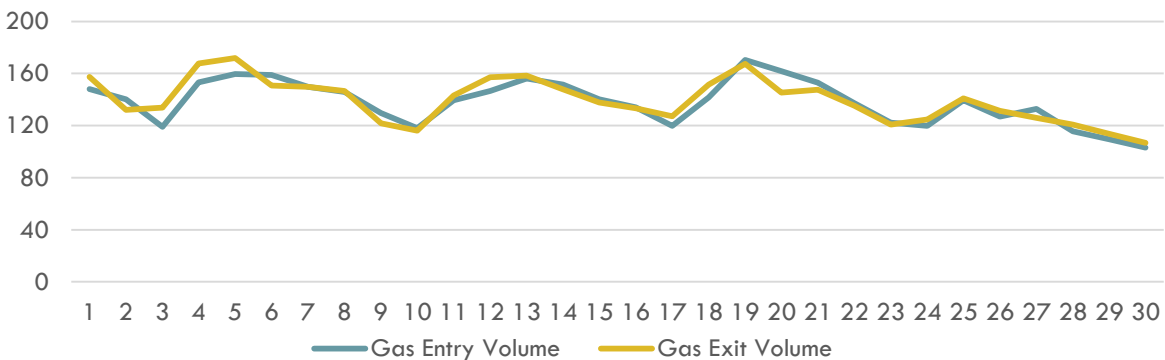
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 19 April 2022 Tue was 170.531.093 sm³; minimum gas entry volume on 30 April 2022 Sat was 103.144.819 sm³ levels.
- ✓ Maximum gas exit volume realized on 05 April 2022 Tue was 171.945.959 sm³; minimum gas exit volume 30 April 2022 Sat was 106.776.946 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 02 April 2022 Sat was 438.748.992 sm³; minimum stok gas volume 18 April 2022 Mon was 387.994.801 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.04.2022	20.388	11.800	Sales
02.04.2022	10.447	11.990	Purchase
03.04.2022	8.751	11.756	Sales
04.04.2022	2	11.750	Purchase
05.04.2022	5.899	11.836	Purchase
06.04.2022	14.389	11.843	Purchase
07.04.2022	8.163	11.860	Purchase
08.04.2022	3.817	11.790	Sales
09.04.2022	8.089	11.790	Purchase
10.04.2022	3.109	11.710	Sales
11.04.2022	350	11.708	Purchase
12.04.2022	5.041	11.680	Sales
13.04.2022	3.988	11.700	Purchase
14.04.2022	5.468	11.934	Purchase
15.04.2022	6.316	11.940	Purchase
16.04.2022	1.817	11.942	Purchase
17.04.2022	3.686	11.976	Purchase
18.04.2022	1.129	11.955	Purchase
19.04.2022	11.131	11.958	Purchase
20.04.2022	10.874	11.989	Purchase
21.04.2022	7.987	11.985	Purchase
22.04.2022	5.579	11.965	Sales
23.04.2022	2.610	11.942	Purchase
24.04.2022	7.586	11.990	Sales
25.04.2022	1.238	11.963	Purchase
26.04.2022	2.602	11.949	Sales
27.04.2022	2.932	11.939	Purchase
29.04.2022	1.855	11.955	Purchase
30.04.2022	5.189	11.820	Sales

Transactions with 2 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
05.04.2022	10.000	11.572	Sales
06.04.2022	10.000	11.803	Sales

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 20.388.000 sm³ on 01 April 2022 Fri; additional balancing transactions with a minimum code of 1 were realized at the level of 2.000 sm³ on 04 April 2022 Mon.
- ✓ In April, additional balancing transaction code of 2 was realized 20.000.000 sm³ in total.
- ✓ In April, no additional balancing transaction code of 3 was realized.
- ✓ In April, no additional balancing transaction code of 4 was realized.