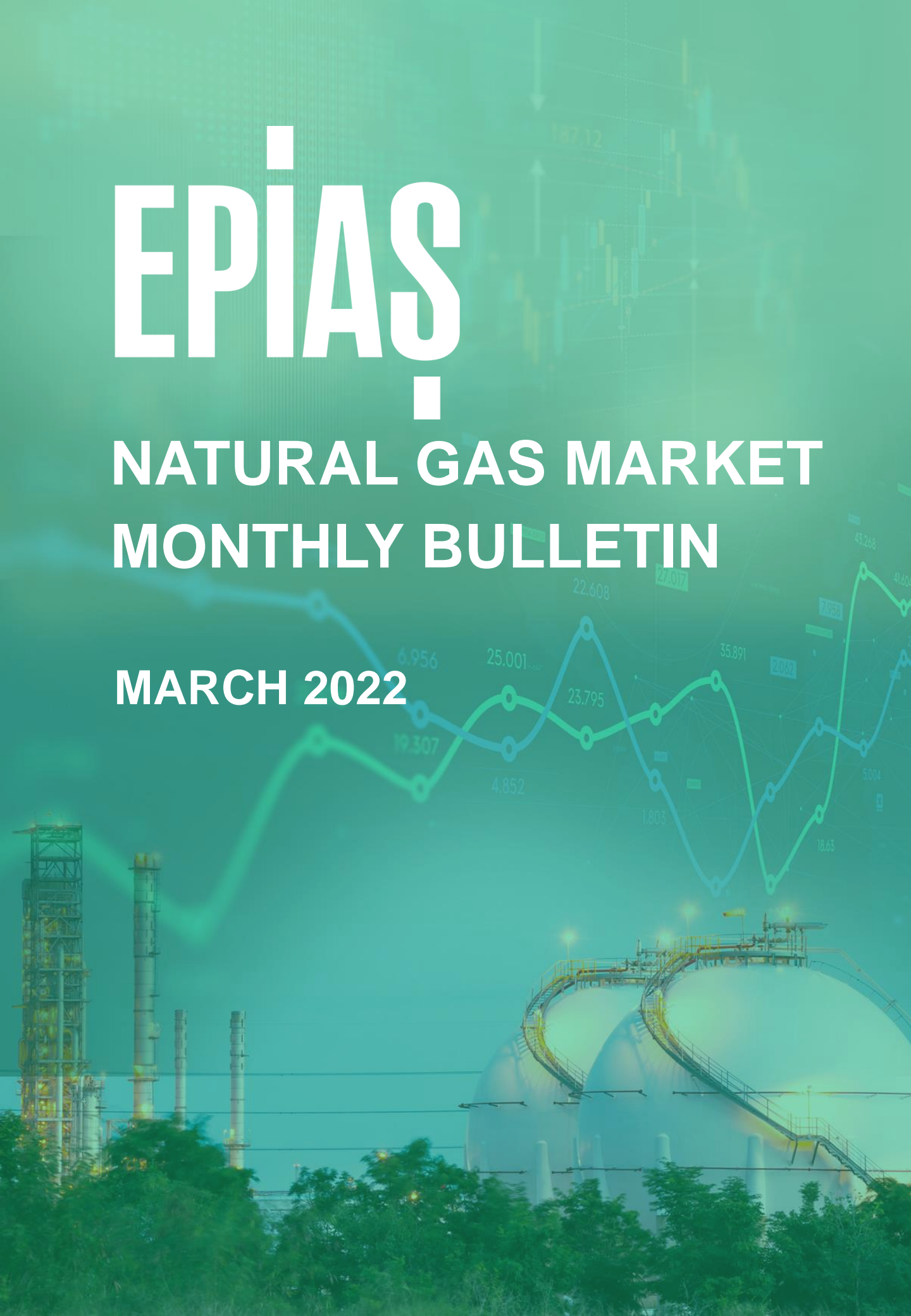


EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

MARCH 2022



SUMMARY DATA (1/2)

Arithmetic Means

	March 2022	February 2022	Monthly Change	March 2021	Annual Change
DRP (TL/'000 Sm ³)	9.669	10.007	-3.4%	1.324	630.1%
WRP (TL/'000 Sm ³)	-	-	-	1.284	-
BGPP (TL/'000 Sm ³)	10.022	10.310	-2.8%	1.367	632.9%
BGSP (TL/'000 Sm ³)	9.379	9.707	-3.4%	1.285	630.1%
Traded Volume (mio.Sm ³)	16.623.032	16.360.393	1.6%	4.324.645	284.4%
Transaction Volume (TL)	161.043.020	165.866.364	-2.9%	5.702.682	2724.0%
Gas Entry Volume (mio.Sm ³)	225.696.162	228.281.084	-1.1%	208.324.541	8.3%
Gas Exit Volume (mio.Sm ³)	225.156.766	227.321.064	-1.0%	208.288.262	8.1%
Number of Ordered Participants	12	16	-25.2%	23	-46.2%
Number of Orders	32	40	-21.0%	104	-69.3%
Number of Trades	12	11	7.0%	48	-74.7%

Maximum / Minimum Levels

	March 2022		February 2022		March 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm ³)	9.757	9.531	11.006	9.407	1.445	1.255
WRP (TL/'000 Sm ³)	-	-	-	-	1.286	1.281
BGPP (TL/'000 Sm ³)	11.990	9.817	11.336	9.690	1.488	1.293
BGSP (TL/'000 Sm ³)	9.464	9.245	10.675	9.125	1.402	1.217
Traded Volume (mio.Sm ³)	55.902.000	3.320.000	39.443.000	154.000	8.075.000	2.146.000
Transaction Volume (TL)	544.687.690	32.305.802	402.299.871	1.456.792	10.421.848	2.892.955
Gas Entry Volume (mio.Sm ³)	257.830.698	186.532.788	261.225.531	185.133.772	242.116.829	173.291.891
Gas Exit Volume (mio.Sm ³)	257.463.245	178.221.445	256.739.102	183.540.074	241.596.489	173.495.875
Number of Ordered Participants	16	9	19	12	25	19
Number of Orders	52	20	60	22	148	70
Number of Trades	18	6	20	2	66	30

SUMMARY DATA (2/2)

Totals

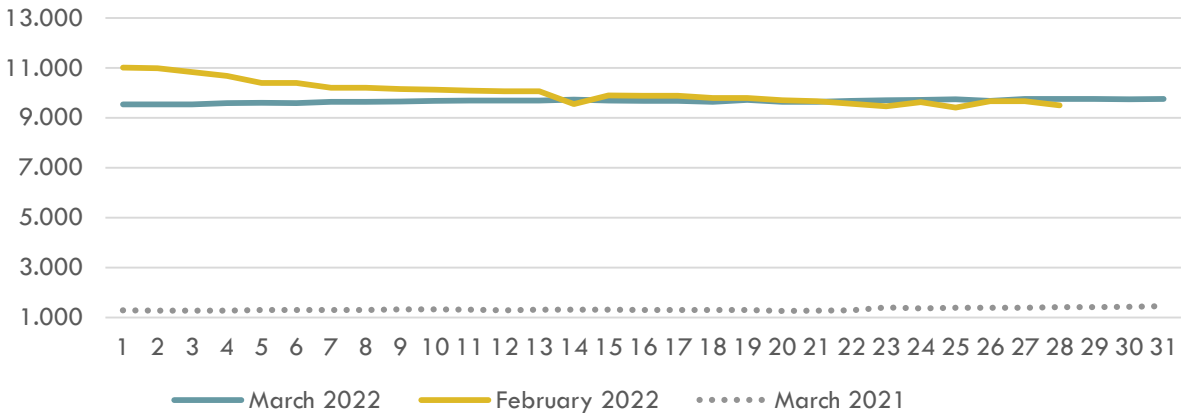
	March 2022	February 2022	Monthly Change	March 2021	Annual Change
Traded Volume (mio.Sm ³)	515.314.000	458.091.000	12.5%	134.064.000	284.4%
Transaction Volume (TL)	4.992.333.624	4.644.258.193	7.5%	176.783.157	2724.0%
Gas Entry Volume (mio.Sm ³)	6.996.581.033	6.391.870.363	9.5%	6.458.060.777	8.3%
Gas Exit Volume (mio.Sm ³)	6.979.859.731	6.364.989.787	9.7%	6.456.936.108	8.1%
Number of Orders	988	1.130	-12.6%	3.222	-69.3%
Number of Trades	373	315	18.4%	1.461	-74.5%
Total Production of Natural Gas Based Power Plants (MWh)	5.181.687	5.611.753	-7.7%	7.313.530	-29.1%
Total Electricity Generation (MWh)	26.486.430	23.741.327	11.6%	25.788.534	2.7%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	20	24	-17.2%	28	-31.0%

Brent Oil and TTF Prices

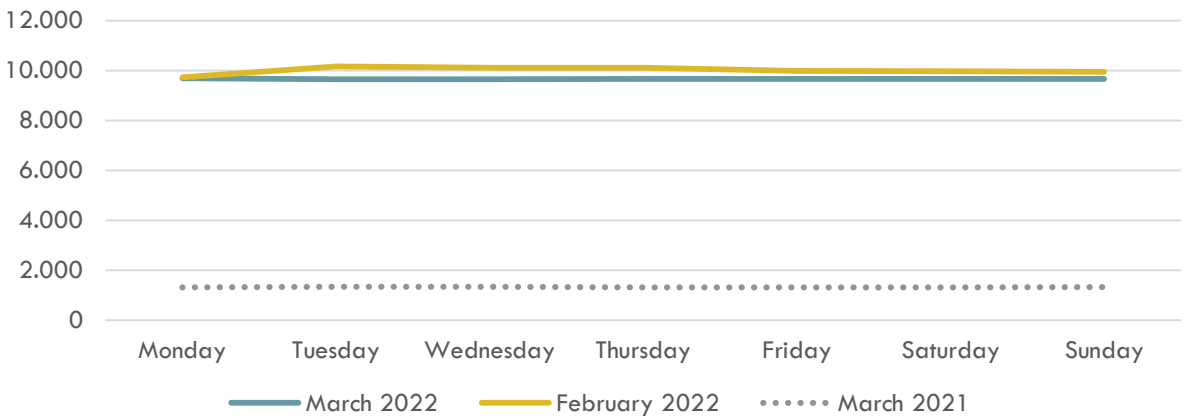
	March 2022	February 2022	Monthly Change	March 2021	Annual Change
Brent Oil(\$/bl)	112,46	94,1	19,51%	65,7	71,17%
TTF (€/MWh)	127,43	80,45	58,40%	17,8	615,90%

PRICES (1/2)

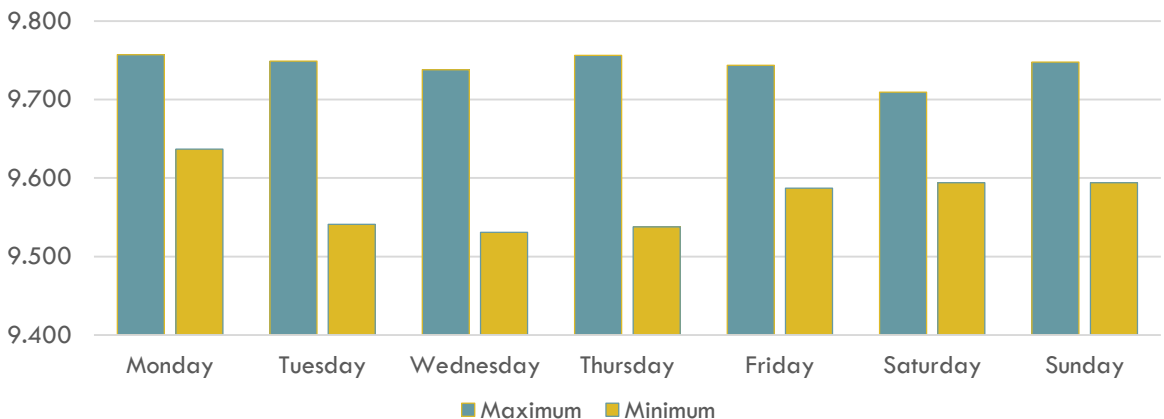
Natural Gas Market DRP (TL/'000 Sm³)



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

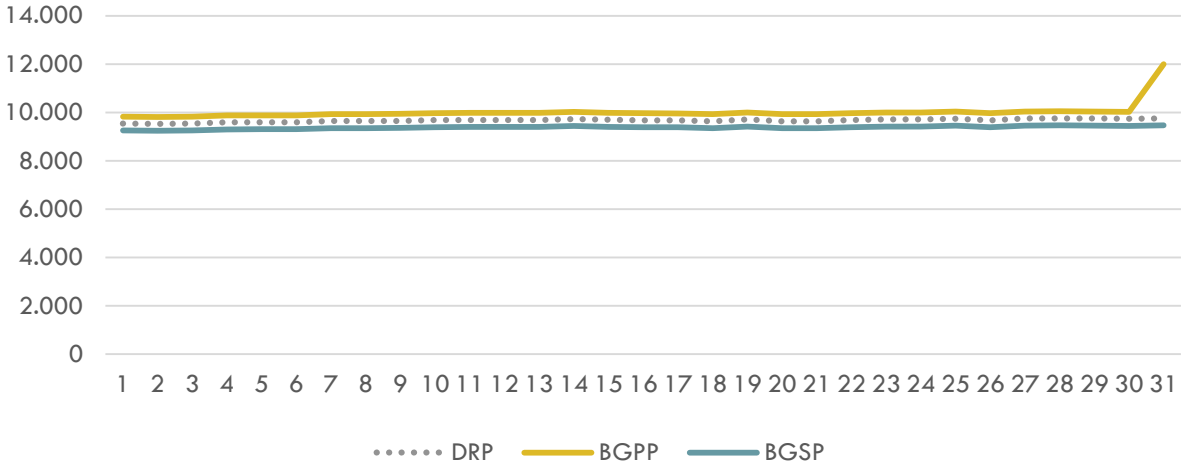


March 2022 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

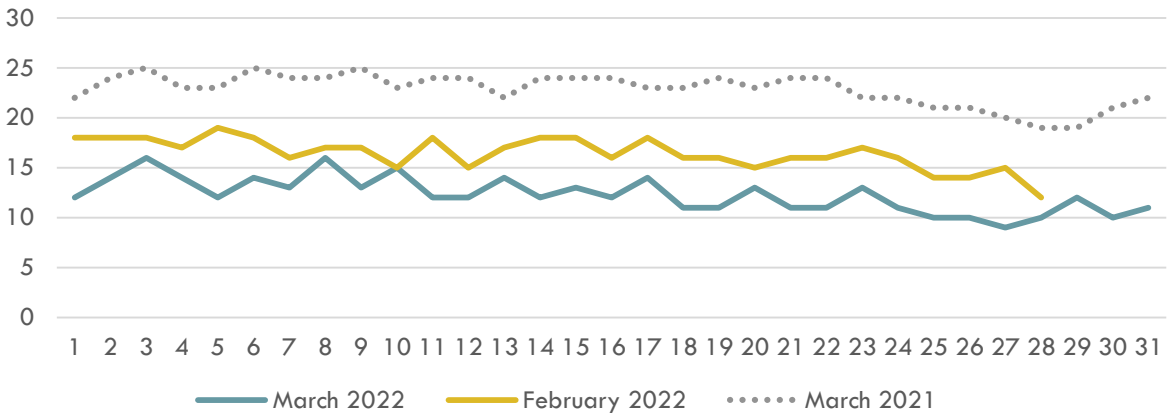
March 2022 DRP - BGPP - BGSP (TL/'000 Sm³)



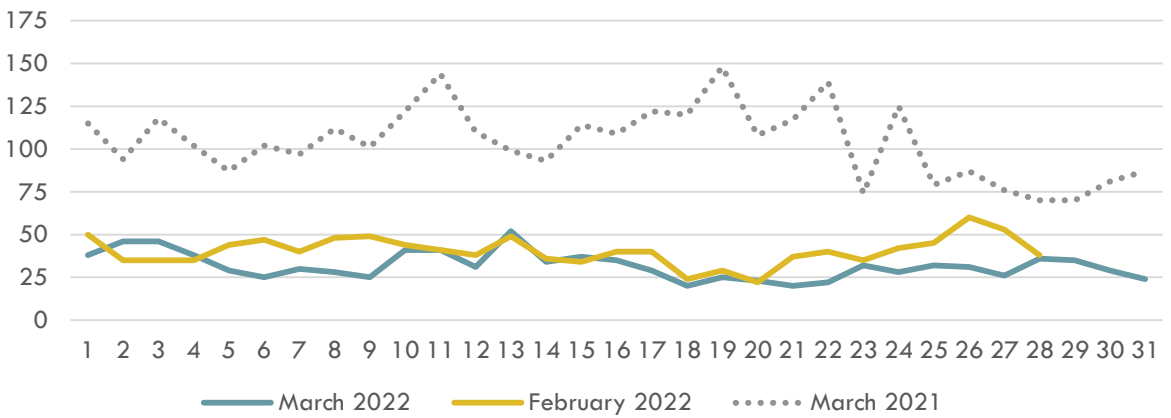
- ✓ The maximum DRP was 9.757 TL on 28 March 2022 Mon; the minimum DRP was realized at the level of 9.531 TL on 02 March 2022 Wed.
- ✓ The Maximum BGPP was 11.990 on 31 March 2022 Thu; the minimum BGPP was realized at the level of 9.817 TL on 02 March 2022 Wed.
- ✓ The maximum BGSP was 9.464 on 28 March 2022 Mon; the minimum BGSP was realized at the level of 9.245 TL on 02 March 2022 Wed.

ORDERS, TRADES, VOLUMES (1/3)

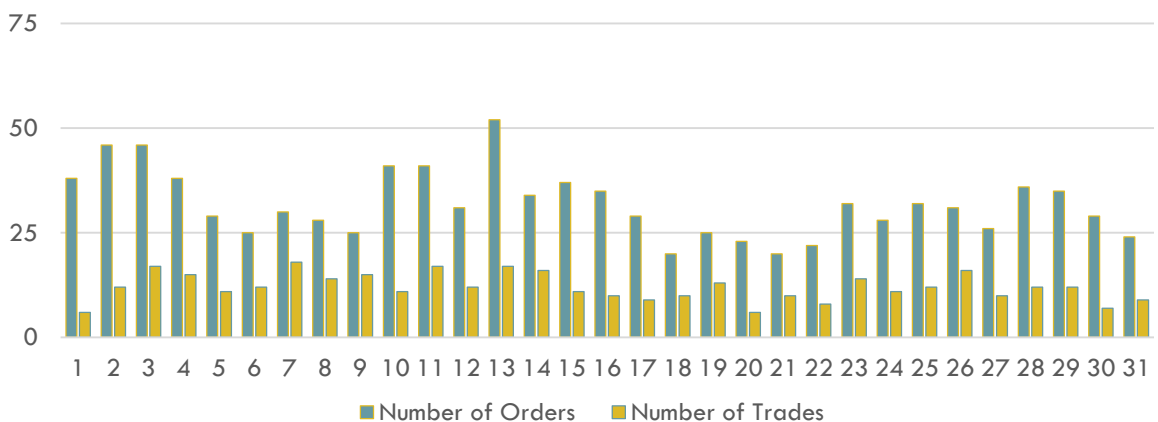
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

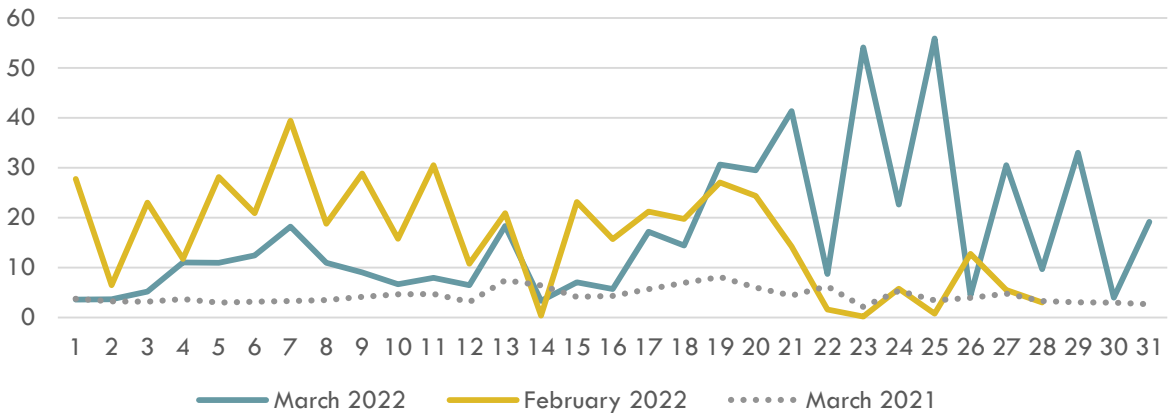


March 2022 Natural Gas Market Number of Orders and Trades

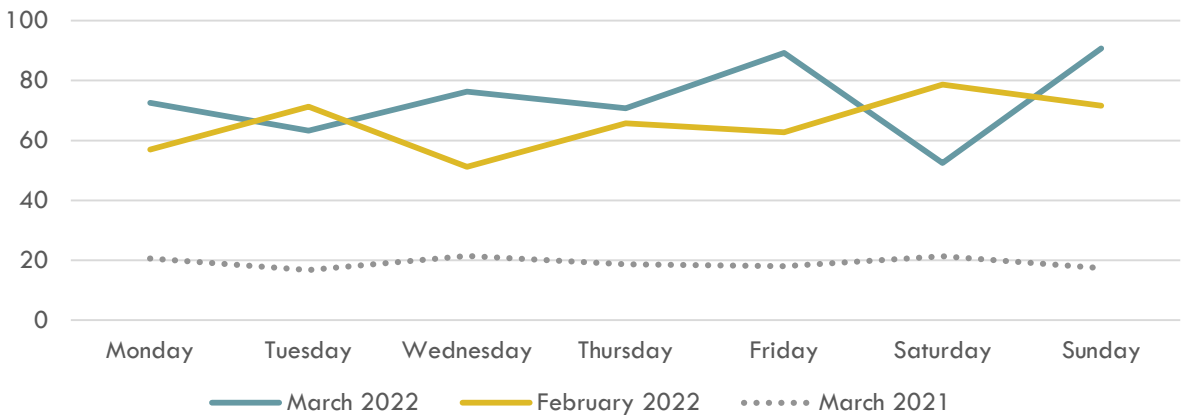


ORDERS, TRADES, VOLUMES (2/3)

Natural Gas Market Trade Volume (mio.Sm³)



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

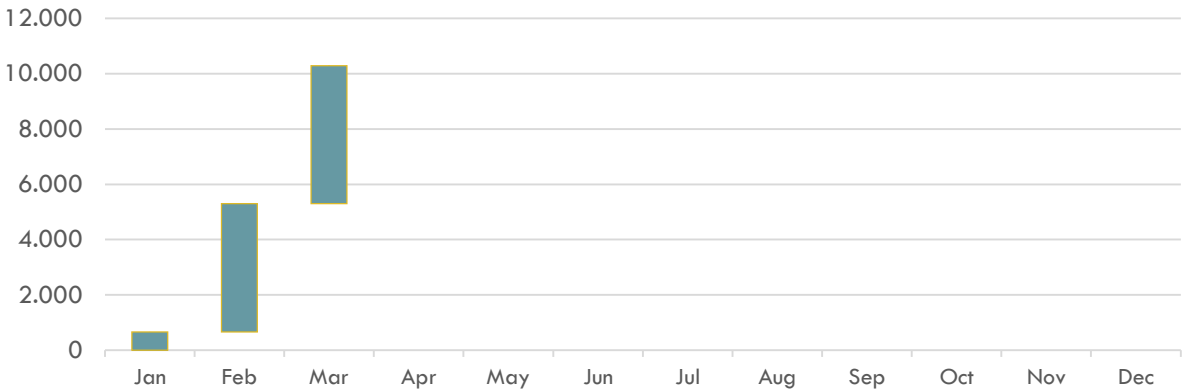


Natural Gas Market Annual Accumulated Trade Volume for 2022 (mio.Sm³)

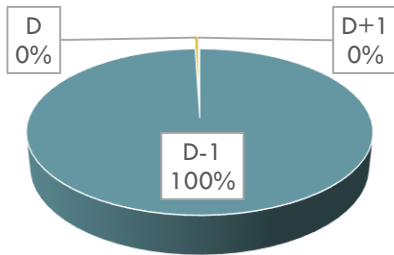


ORDERS, TRADES, VOLUMES (3/3)

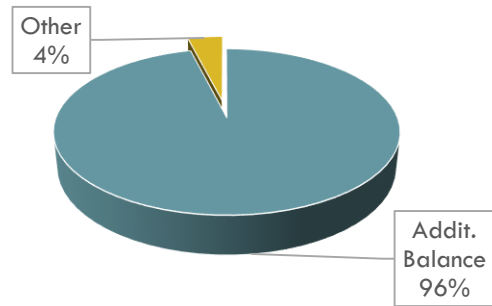
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for March 2022 Period by Sessions



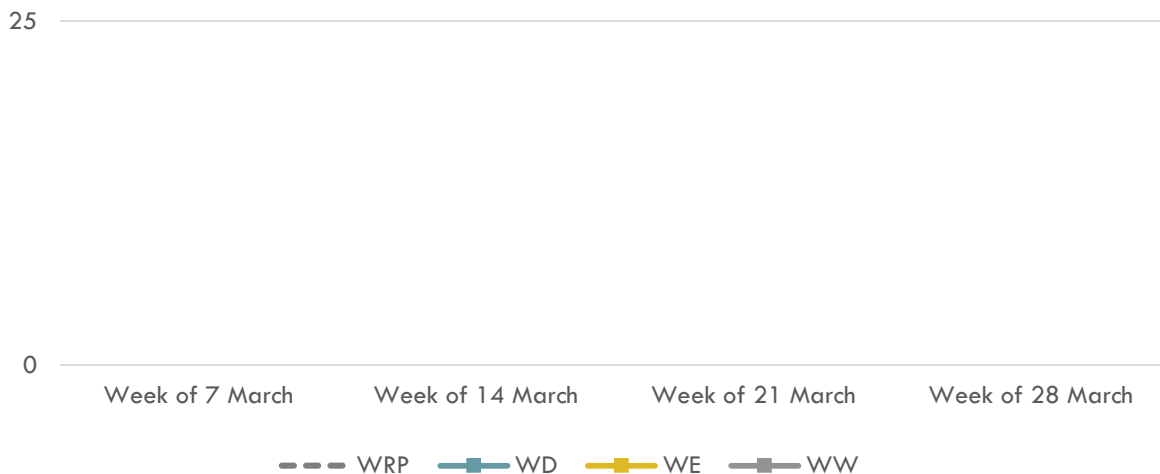
Additional Balancing Traded Volume for March 2022 Period



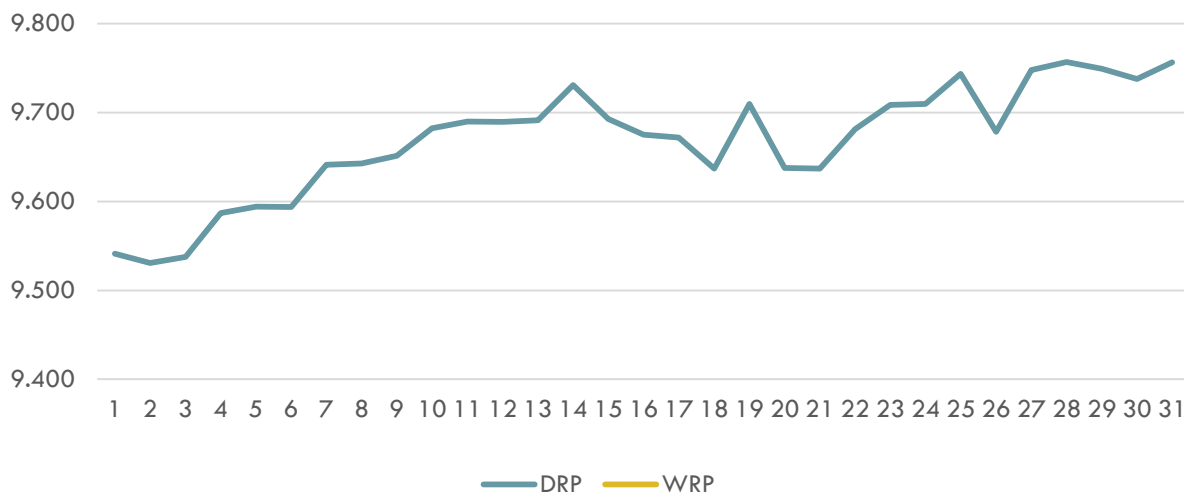
- ✓ The maximum total traded volume was 55.902 sm³ on 25 March 2022 Fri; the minimum total traded volume was realized at the level of 3.320 sm³ on 14 March 2022 Mon.
- ✓ The maximum total transaction volume was 544.687.690 TL on 25 March 2022 Fri; the minimum total transaction volume was realized at the level of 32.305.802 TL on 14 March 2022 Mon.
- ✓ The maximum d-1 traded volume was 55.677.000 sm³ on 25 March 2022 Fri; the minimum d-1 traded amount was realized at the level of 3.317.000 sm³ on 14 March 2022 Mon.
- ✓ The maximum d-1 traded volume was 542.526.340 TL on 25 March 2022 Fri; the minimum d-1 traded amount was realized at the level of 32.277.152 TL on 14 March 2022 Mon.
- ✓ The maximum d traded volume was 443.000 sm³ on 13 March 2022 Sun; the minimum d traded amount was realized at the level of 0 sm³ on 01 March 2022 Tue.
- ✓ The maximum d traded volume was 4.274.950 TL on 13 March 2022 Sun; the minimum d traded amount was realized at the level of 0 TL on 01 March 2022 Tue.
- ✓ The maximum d+1 traded volume was 108.000 sm³ on 08 March 2022 Tue; the minimum d+1 traded amount was realized at the level of 0 sm³ on 04 March 2022 Fri.
- ✓ The maximum d+1 traded volume was 1.040.197 TL on 08 March 2022 Tue; the minimum d+1 traded amount was realized at the level of 0 TL on 04 March 2022 Fri.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 7,3% in March 2022.
- ✓ Ctp share in virtual trade was realized at 38,6% in March 2022.

WEEKLY PRODUCTS (1/2)

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

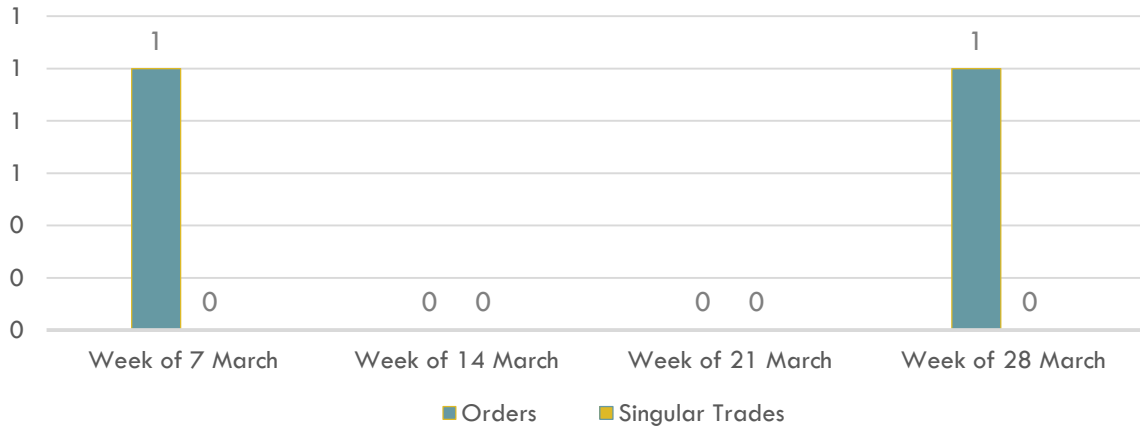


March 2022 DRP - WRP (TL/'000 Sm³)

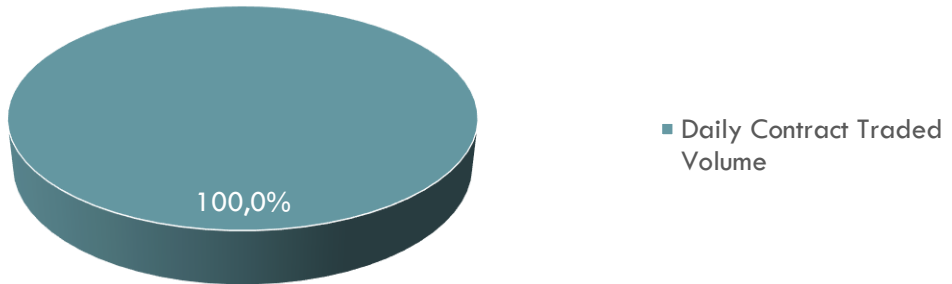


WEEKLY PRODUCTS (2/2)

March 2022 Weekly Products Number of Orders and Trades



March 2022 Traded Volume Distribution by Contract Type



STP

Last 1 Year Trades

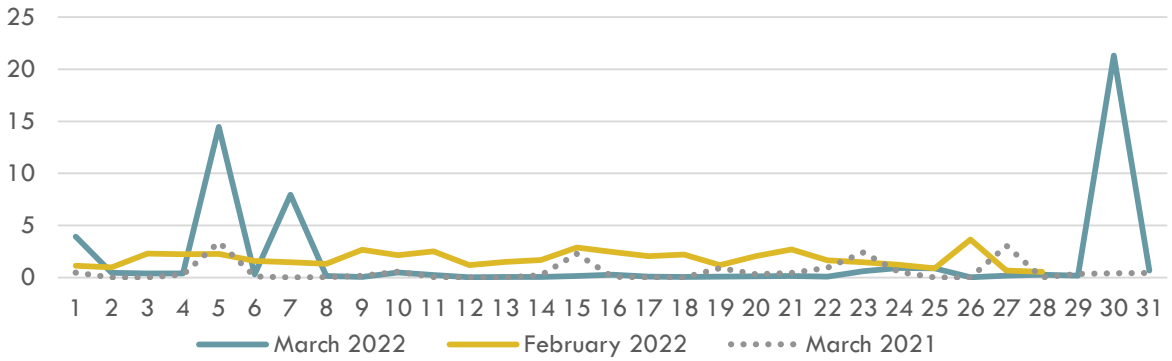
Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Mar 2021	134,06	176.783.157
Apr 2021	99,70	165.534.142
May 2021	123,50	213.116.614
Jun 2021	127,49	234.315.489
Jul 2021	95,74	198.270.544
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803
Feb 2022	458,09	1.044.258.193
Mar 2022	515,31	1.692.333.624

CTP's share in Total Cons. and Virtual Trade

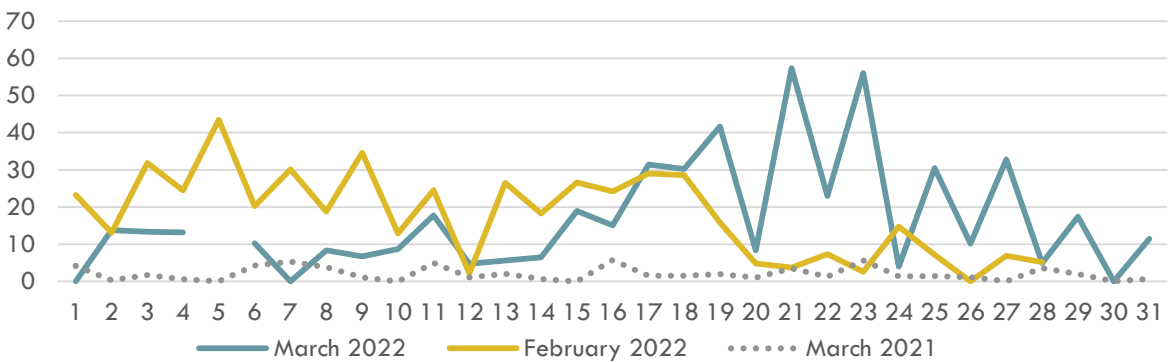
Period	Total Consumption (%)	Virtual Trade (%)
Mar 2021	2,1%	12,4%
Apr 2021	2,0%	17,4%
May 2021	3,3%	14,2%
Jun 2021	2,9%	20,7%
Jul 2021	2,3%	16,4%
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%
Feb 2022	7,2%	31,9%
Mar 2022	7,3%	38,6%

TRANSMISSION SYSTEM DATA (1/2)

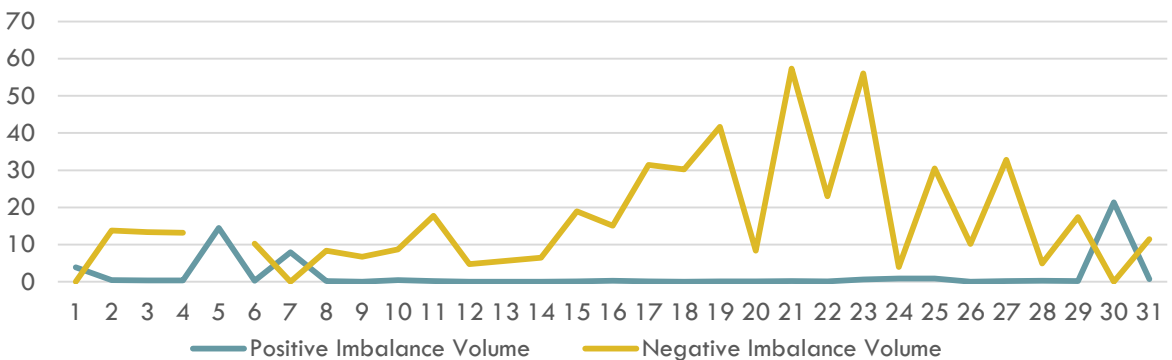
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



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

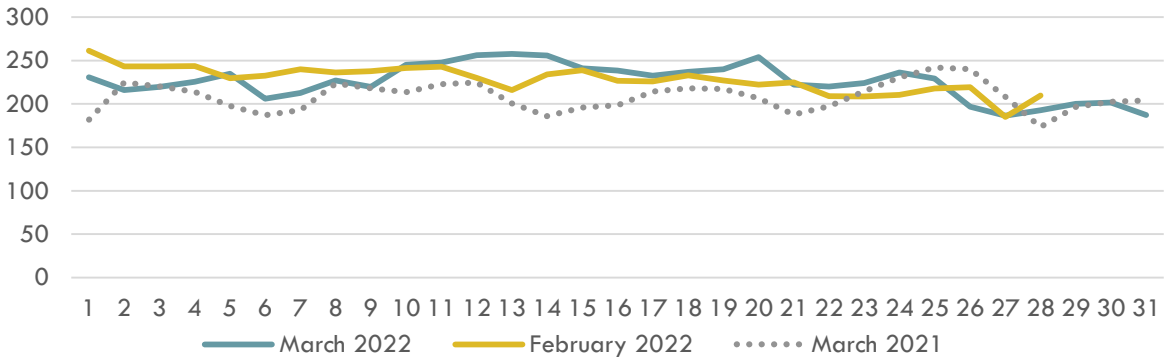


✓ The maximum positive imbalance volume was 21.334.885 sm³ on 30 March 2022 Wed; the minimum positive imbalance volume was realized at the level of 20.973 sm³ on 26 March 2022 Sat.

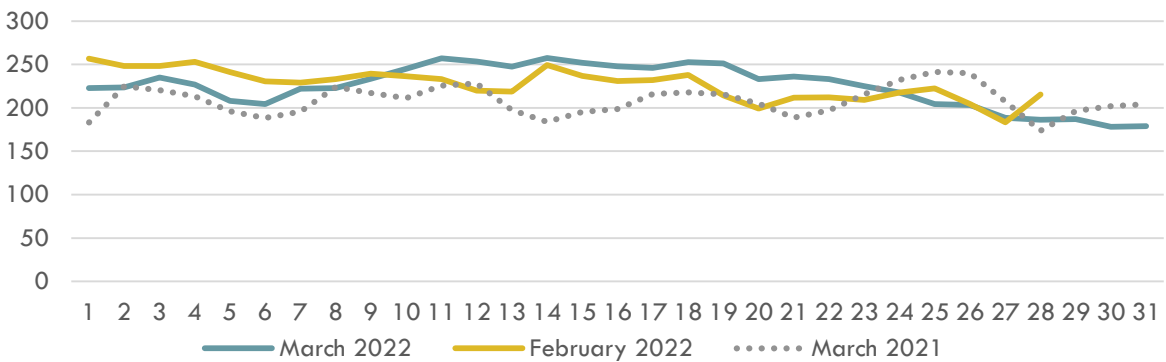
✓ The maximum negative imbalance volume was 57.331.759 sm³ on 21 March 2022 Mon; the minimum negative imbalance volume was realized at the level of 0 sm³ on 05 March 2022 Sat.

TRANSMISSION SYSTEM DATA (2/2)

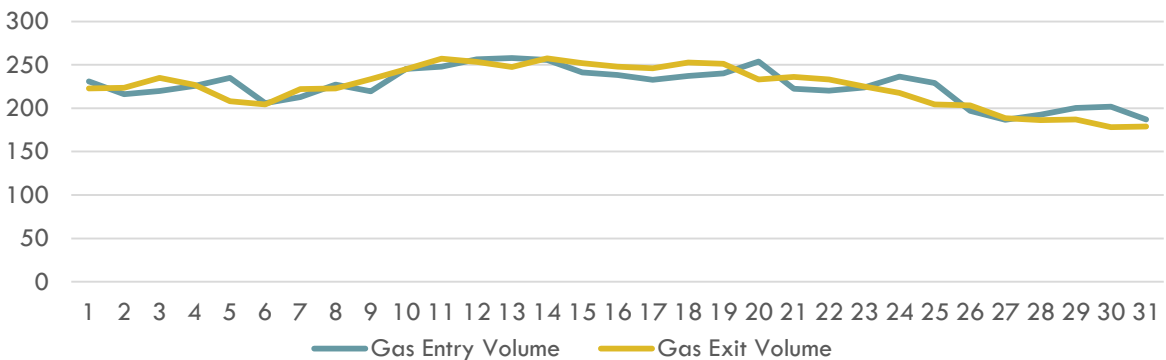
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 13 March 2022 Sun was 257.830.698 sm³; minimum gas entry volume on 27 March 2022 Sun was 186.532.788 sm³ levels.
- ✓ Maximum gas exit volume realized on 14 March 2022 Mon was 257.463.245 sm³; minimum gas exit volume 30 March 2022 Wed was 178.221.445 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 31 March 2022 Thu was 439.941.009 sm³; minimum stok gas volume 23 March 2022 Wed was 352.950.534 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.03.2022	3.426	9.545	Purchase
02.03.2022	3.354	9.537	Purchase
03.03.2022	4.560	9.548	Sales
04.03.2022	10.682	9.590	Purchase
05.03.2022	10.652	9.596	Purchase
06.03.2022	11.951	9.597	Purchase
07.03.2022	16.072	9.650	Sales
08.03.2022	10.432	9.648	Purchase
09.03.2022	6.739	9.651	Sales
10.03.2022	6.129	9.690	Purchase
11.03.2022	7.114	9.699	Purchase
12.03.2022	5.823	9.699	Purchase
13.03.2022	16.461	9.697	Purchase
14.03.2022	2.962	9.733	Purchase
15.03.2022	6.027	9.695	Purchase
16.03.2022	4.740	9.688	Purchase
17.03.2022	16.706	9.674	Purchase
18.03.2022	14.023	9.639	Purchase
19.03.2022	30.287	9.710	Purchase
20.03.2022	29.313	9.638	Purchase
21.03.2022	41.162	9.637	Purchase
22.03.2022	8.460	9.683	Purchase
23.03.2022	53.887	9.709	Purchase
24.03.2022	22.132	9.710	Purchase
25.03.2022	54.917	9.745	Purchase
26.03.2022	3.334	9.697	Purchase
27.03.2022	30.179	9.748	Purchase
28.03.2022	9.408	9.758	Purchase
29.03.2022	31.995	9.749	Purchase
30.03.2022	3.230	9.755	Purchase
31.03.2022	18.822	9.760	Purchase

Transactions with 2 Code

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

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 54.917.000 sm³ on 25 March 2022 Fri; additional balancing transactions with a minimum code of 1 were realized at the level of 2.962.000 sm³ on 14 March 2022 Mon.
- ✓ In March, no additional balancing transaction code of 2 was realized.
- ✓ In March, no additional balancing transaction code of 3 was realized.
- ✓ In March, no additional balancing transaction code of 4 was realized.