

EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

FEBRUARY 2022



SUMMARY DATA (1/2)

Arithmetic Means

	February 2022	January 2022	Monthly Change	February 2021	Annual Change
DRP (TL/'000 Sm ³)	10.007	9.972	0.4%	1.232	712.2%
WRP (TL/'000 Sm ³)	0	0	-	1.250	-100.0%
BGPP (TL/'000 Sm ³)	10.310	10.415	-1.0%	1.269	712.4%
BGSP (TL/'000 Sm ³)	9.707	9.569	1.4%	1.195	712.2%
Traded Volume (mio.Sm ³)	16.360.393	2.140.774	664.2%	7.117.500	129.9%
Transaction Volume (TL)	165.866.364	21.266.832	679.9%	8.695.099	1807.6%
Gas Entry Volume (mio.Sm ³)	228.281.084	244.021.479	-6.5%	213.962.150	6.7%
Gas Exit Volume (mio.Sm ³)	227.321.064	244.805.459	-7.1%	213.670.505	6.4%
Number of Ordered Participants	16	12	40.7%	23	-27.8%
Number of Orders	40	21	96.1%	108	-62.7%
Number of Trades	11	11	1.4%	48	-76.6%

Maximum / Minimum Levels

	February 2022		January 2022		February 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm ³)	11.006	9.407	10.089	6.652	1.284	1.205
WRP (TL/'000 Sm ³)	0	0	0	0	1.283	1.227
BGPP (TL/'000 Sm ³)	11.336	9.690	11.000	10.089	1.322	1.241
BGSP (TL/'000 Sm ³)	10.675	9.125	9.786	6.452	1.245	1.169
Traded Volume (mio.Sm ³)	39.443.000	154.000	11.175.000	381.000	33.174.000	1.510.000
Transaction Volume (TL)	402.299.871	1.456.792	112.683.981	3.843.618	39.744.442	1.830.594
Gas Entry Volume (mio.Sm ³)	261.225.531	185.133.772	275.758.342	210.336.234	266.501.315	169.761.798
Gas Exit Volume (mio.Sm ³)	256.739.102	183.540.074	287.620.566	208.499.638	271.886.587	170.349.944
Number of Ordered Participants	19	12	15	6	26	20
Number of Orders	60	22	37	8	134	86
Number of Trades	20	2	18	4	75	26

SUMMARY DATA (2/2)

Totals

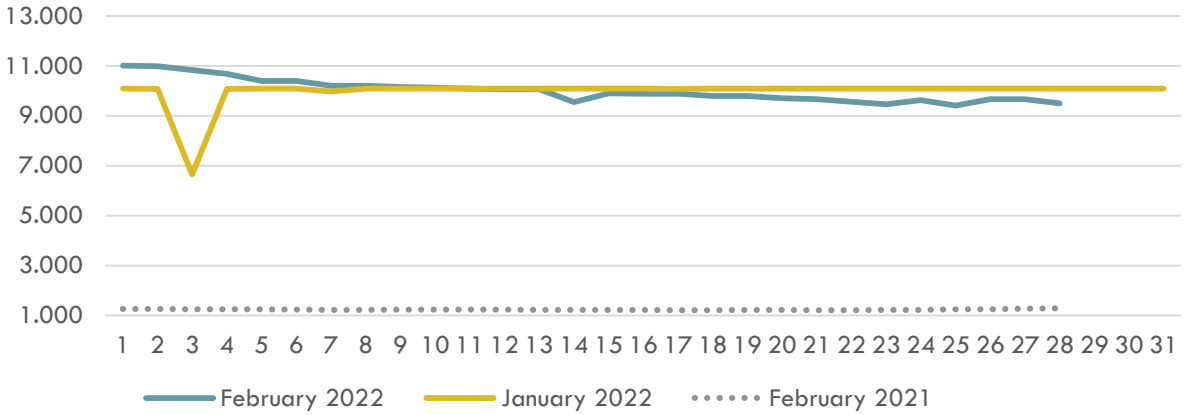
	February 2022	January 2022	Monthly Change	February 2021	Annual Change
Traded Volume (mio.Sm ³)	458.091.000	66.364.000	590.3%	199.290.000	129.9%
Transaction Volume (TL)	4.644.258.193	659.271.803	604.5%	243.462.785	1807.6%
Gas Entry Volume (mio.Sm ³)	6.391.870.363	7.564.665.861	-15.5%	5.990.940.191	6.7%
Gas Exit Volume (mio.Sm ³)	6.364.989.787	7.588.969.233	-16.1%	5.982.774.139	6.4%
Number of Orders	1.130	638	77.1%	3.029	-62.7%
Number of Trades	315	344	-8.4%	1.295	-75.7%
Total Production of Natural Gas Based Power Plants (MWh)	5.611.753	7.026.518	-20.1%	5.913.923	-5.1%
Total Electricity Generation (MWh)	23.740.224	26.297.696	-9.7%	22.383.555	6.1%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	24	27	-11.5%	26	-10.5%

Brent Oil and TTF Prices

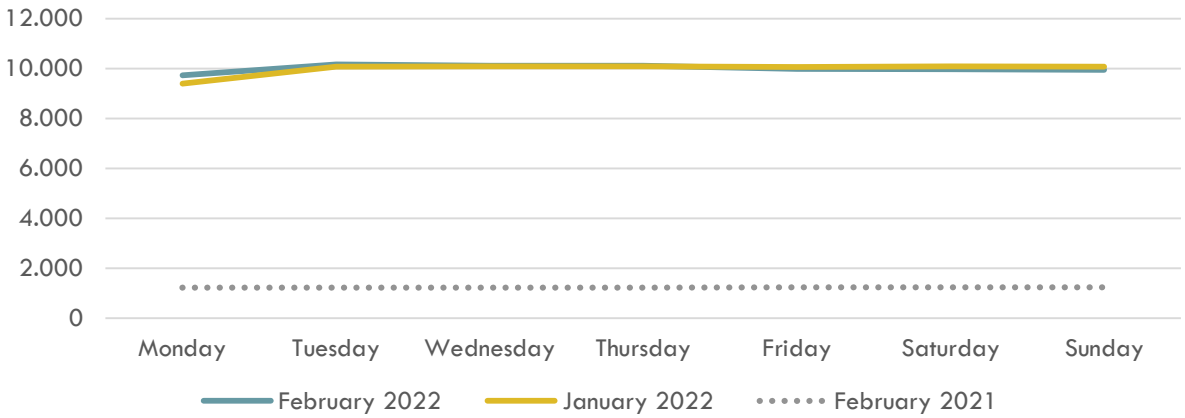
	February 2022	January 2022	Monthly Change	February 2021	Annual Change
Brent Oil(\$/bl)	94,1	85,57	9,97%	62,28	51,09%
TTF (€/MWh)	80,45	83,79	-3,99%	17,33	364,22%

PRICES (1/2)

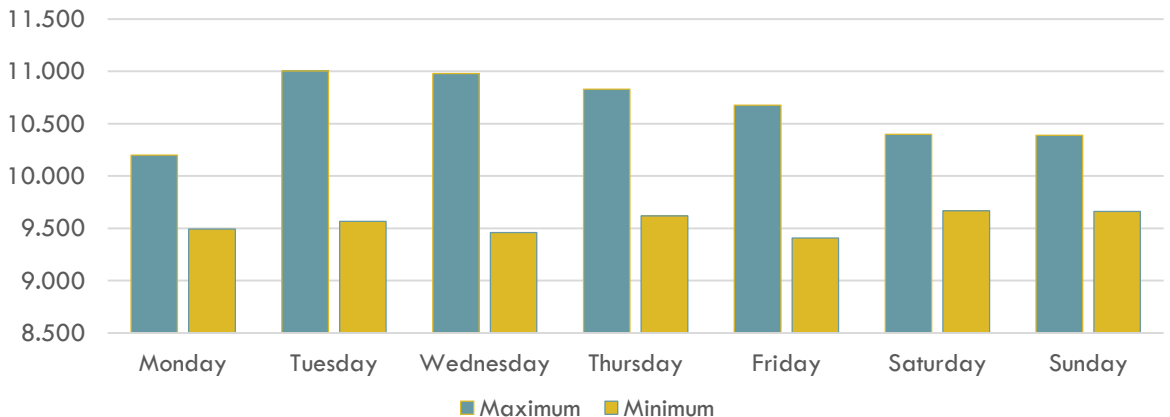
Natural Gas Market DRP (TL/'000 Sm³)



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

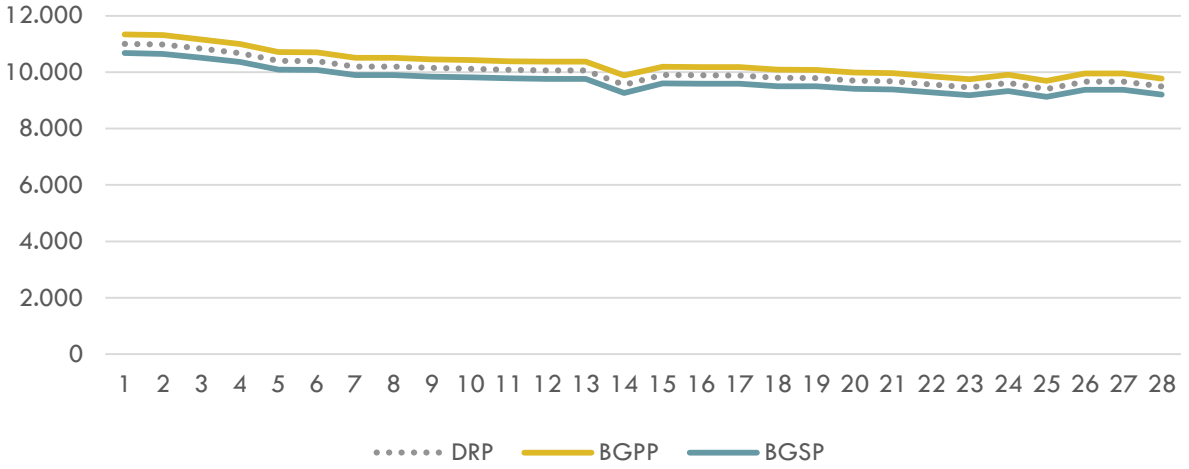


February 2022 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

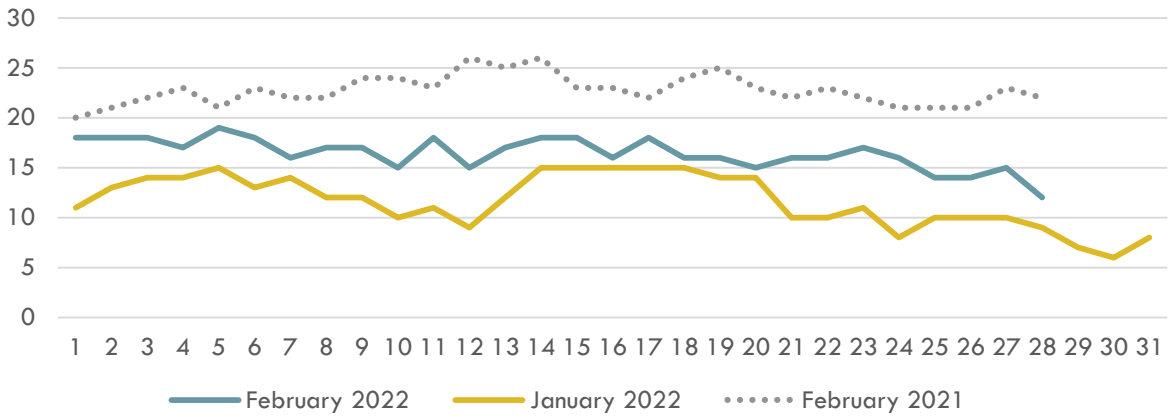
February 2022 DRP - BGPP - BGSP (TL/'000 Sm³)



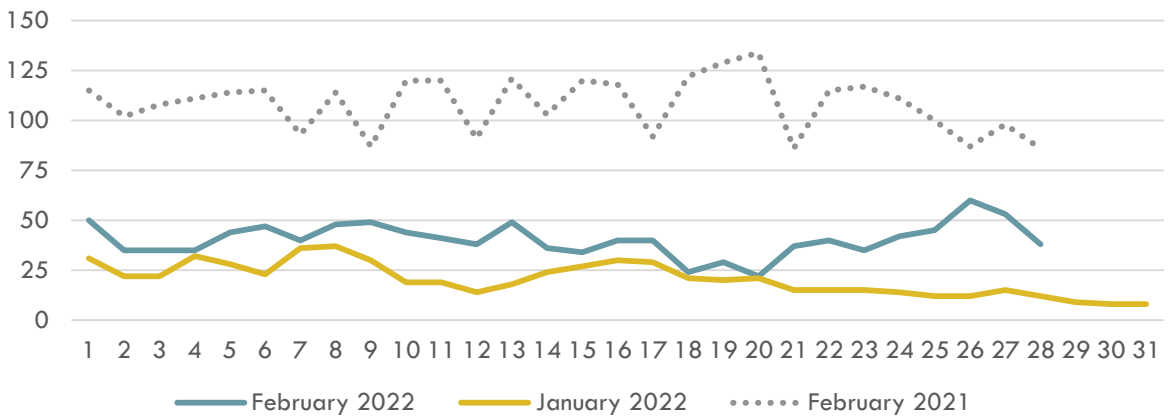
- ✓ The maximum DRP was 11.006 TL on 01 February 2022 Tue; the minimum DRP was realized at the level of 9.407 TL on 25 February 2022 Fri.
- ✓ The Maximum BGPP was 11.336 on 01 February 2022 Tue; the minimum BGPP was realized at the level of 9.690 TL on 25 February 2022 Fri.
- ✓ The maximum BGSP was 10.675 on 01 February 2022 Tue; the minimum BGSP was realized at the level of 9.125 TL on 25 February 2022 Fri.

ORDERS, TRADES, VOLUMES (1/3)

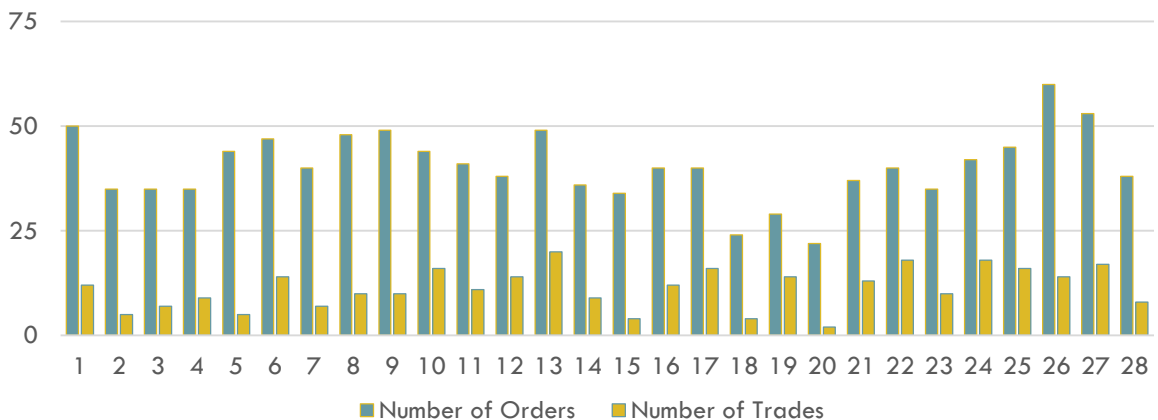
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

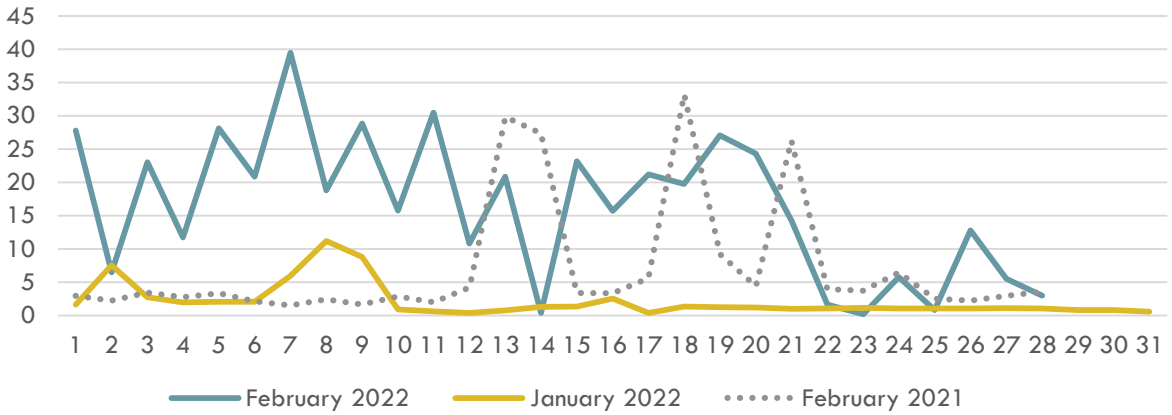


February 2022 Natural Gas Market Number of Orders and Trades

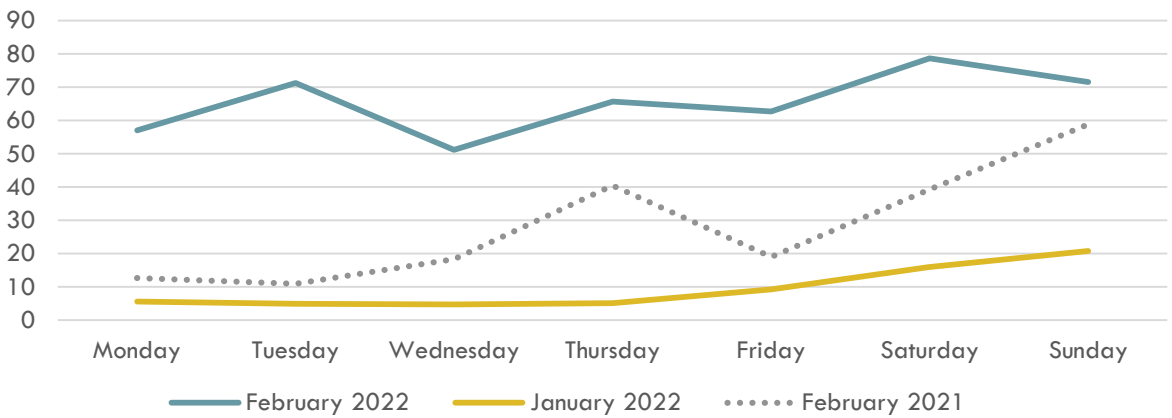


ORDERS, TRADES, VOLUMES (2/3)

Natural Gas Market Trade Volume (mio.Sm³)



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

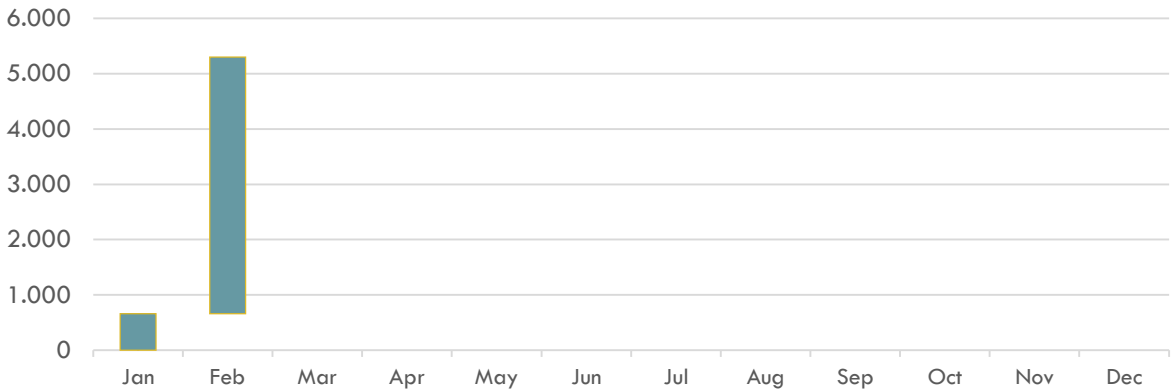


Natural Gas Market Annual Accumulated Trade Volume for 2022 (mio.Sm³)

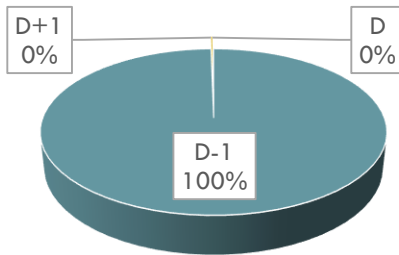


ORDERS, TRADES, VOLUMES (3/3)

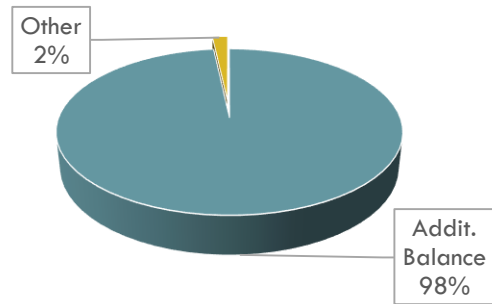
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for February 2022 Period by Sessions



Additional Balancing Traded Volume for February 2022 Period



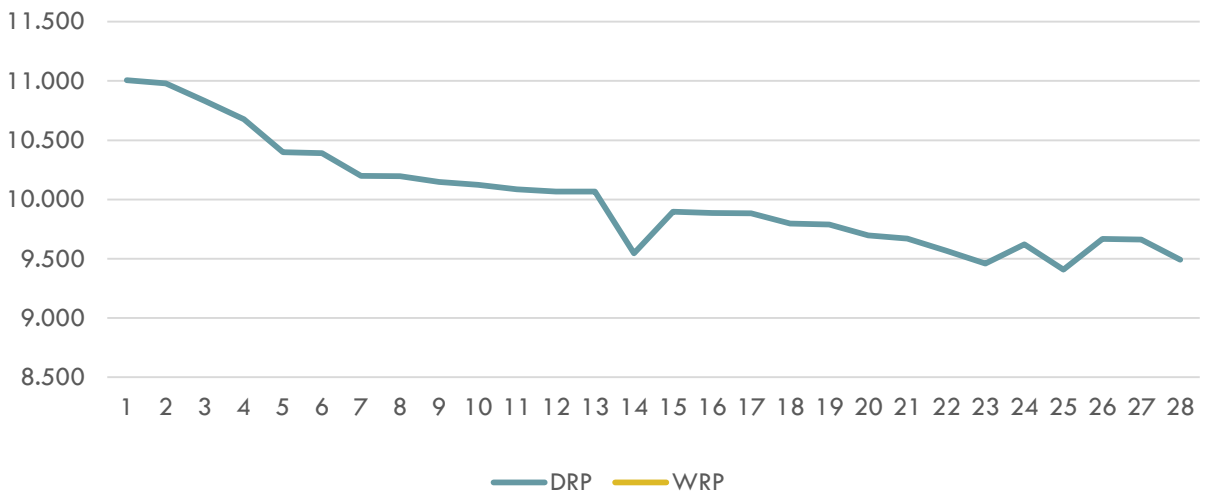
- ✓ The maximum total traded volume was 39.443 sm³ on 07 February 2022 Mon; the minimum total traded volume was realized at the level of 154 sm³ on 23 February 2022 Wed.
- ✓ The maximum total transaction volume was 402.299.871 TL on 07 February 2022 Mon; the minimum total transaction volume was realized at the level of 1.456.792 TL on 23 February 2022 Wed.
- ✓ The maximum d-1 traded volume was 39.393.000 sm³ on 07 February 2022 Mon; the minimum d-1 traded amount was realized at the level of 90.000 sm³ on 23 February 2022 Wed.
- ✓ The maximum d-1 traded volume was 401.797.600 TL on 07 February 2022 Mon; the minimum d-1 traded amount was realized at the level of 853.842 TL on 23 February 2022 Wed.
- ✓ The maximum d traded volume was 80.000 sm³ on 25 February 2022 Fri; the minimum d traded amount was realized at the level of 0 sm³ on 01 February 2022 Tue.
- ✓ The maximum d traded volume was 748.000 TL on 25 February 2022 Fri; the minimum d traded amount was realized at the level of 0 TL on 01 February 2022 Tue.
- ✓ The maximum d+1 traded volume was 115.000 sm³ on 21 February 2022 Mon; the minimum d+1 traded amount was realized at the level of 0 sm³ on 02 February 2022 Wed.
- ✓ The maximum d+1 traded volume was 1.085.460 TL on 21 February 2022 Mon; the minimum d+1 traded amount was realized at the level of 0 TL on 02 February 2022 Wed.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 7,2% in February 2022.
- ✓ Ctp share in virtual trade was realized at 31,9% in February 2022.

WEEKLY PRODUCTS (1/2)

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

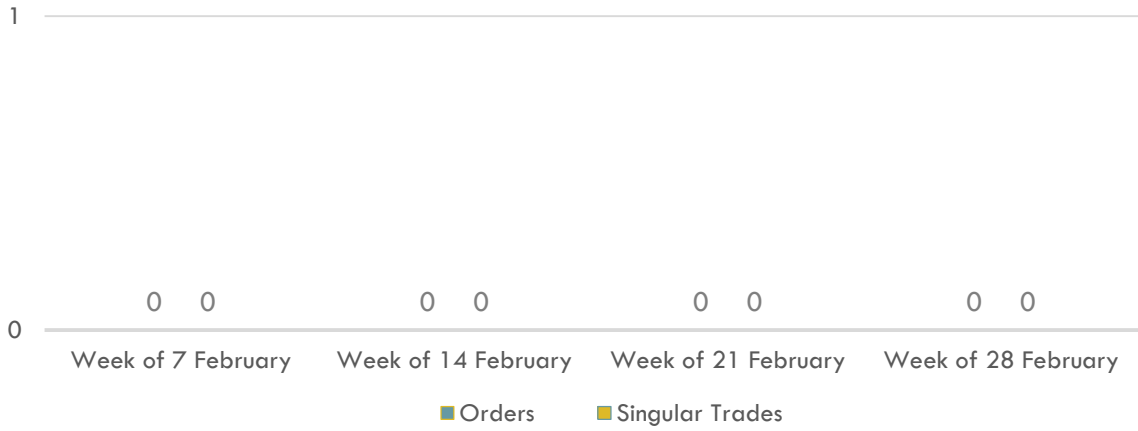


February 2022 DRP - WRP (TL/'000 Sm³)

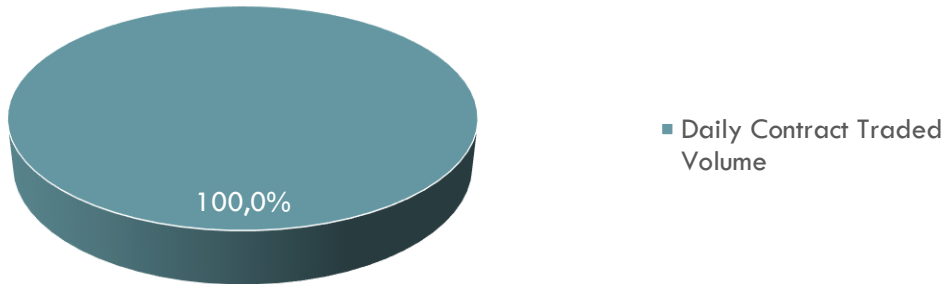


WEEKLY PRODUCTS (2/2)

February 2022 Weekly Products Number of Orders and Trades



February 2022 Traded Volume Distribution by Contract Type



STP

Last 1 Year Trades

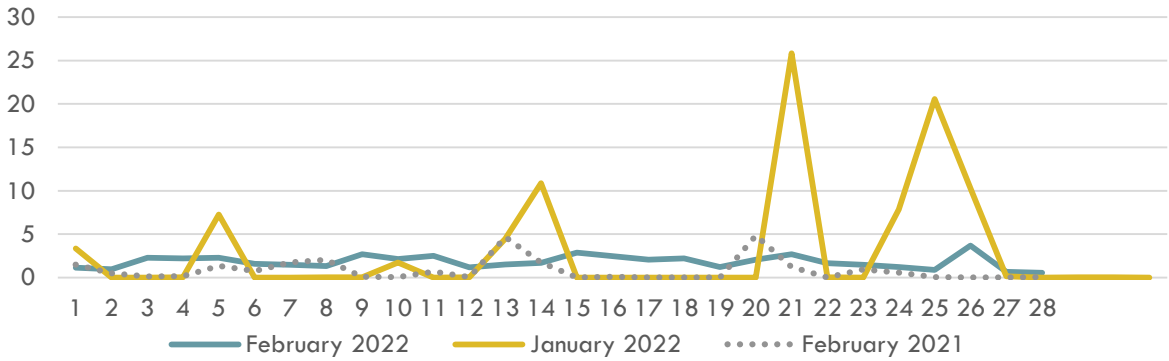
Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Feb 2021	199,29	243.462.785
Mar 2021	134,06	176.783.157
Apr 2021	99,70	165.534.142
May 2021	123,50	213.116.614
Jun 2021	127,49	234.315.489
Jul 2021	95,74	198.270.544
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803
Feb 2022	458,09	1.044.258.193

CTP's share in Total Cons. and Virtual Trade

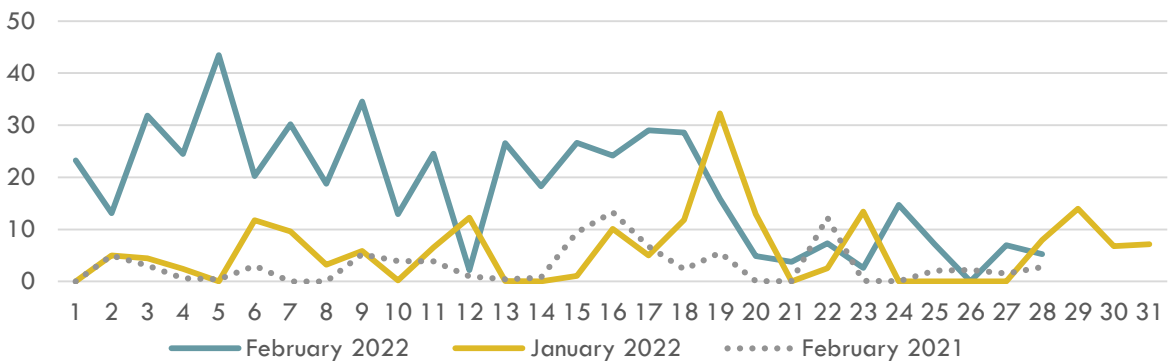
Period	Total Consumption (%)	Virtual Trade (%)
Feb 2021	3,3%	19,4%
Mar 2021	2,1%	12,4%
Apr 2021	2,0%	17,4%
May 2021	3,3%	14,2%
Jun 2021	2,9%	20,7%
Jul 2021	2,3%	16,4%
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%
Feb 2022	7,2%	31,9%

TRANSMISSION SYSTEM DATA (1/2)

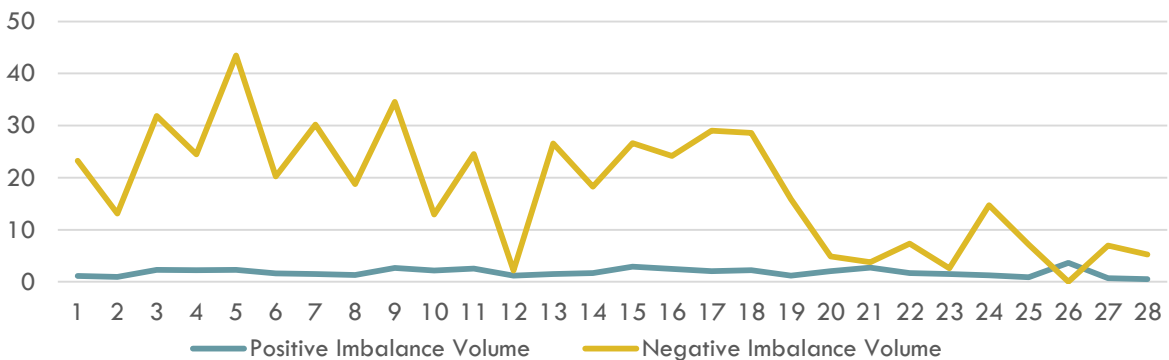
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)



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

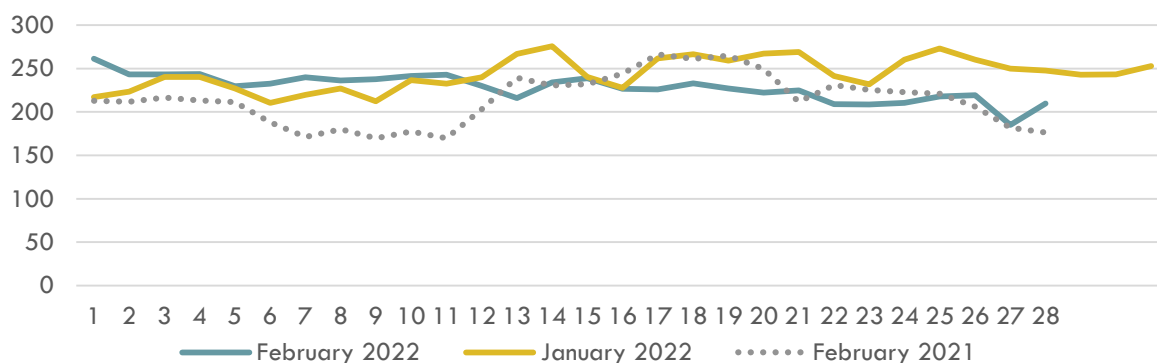


✓ The maximum positive imbalance volume was 3.669.597 sm³ on 26 February 2022 Sat; the minimum positive imbalance volume was realized at the level of 539.067 sm³ on 28 February 2022 Mon.

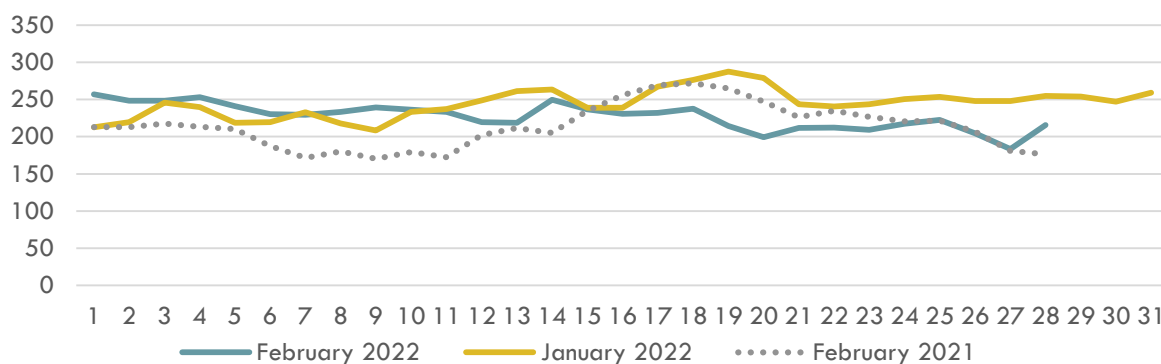
✓ The maximum negative imbalance volume was 43.478.842 sm³ on 05 February 2022 Sat; the minimum negative imbalance volume was realized at the level of 3.555 sm³ on 26 February 2022 Sat.

TRANSMISSION SYSTEM DATA (2/2)

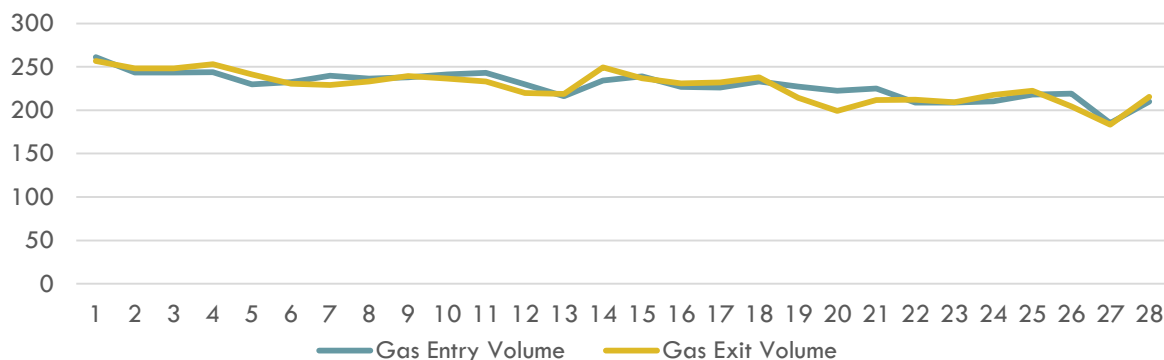
Natural Gas Market Gas Entry Volume (mio.Sm³)



Natural Gas Market Gas Exit Volume (mio.Sm³)



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



- ✓ Maximum gas entry volume realized on 01 February 2022 Tue was 261.225.531 sm³; minimum gas entry volume on 27 February 2022 Sun was 185.133.772 sm³ levels.
- ✓ Maximum gas exit volume realized on 01 February 2022 Tue was 256.739.102 sm³; minimum gas exit volume 27 February 2022 Sun was 183.540.074 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 27 February 2022 Sun was 428.966.876 sm³; minimum stok gas volume 05 February 2022 Sat was 370.018.520 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.02.2022	27.329	11.000	Purchase
02.02.2022	6.331	10.994	Purchase
03.02.2022	22.843	10.834	Purchase
04.02.2022	11.436	10.683	Purchase
05.02.2022	27.850	10.400	Purchase
06.02.2022	20.698	10.391	Purchase
07.02.2022	39.283	10.200	Purchase
08.02.2022	18.625	10.198	Purchase
09.02.2022	28.588	10.150	Purchase
10.02.2022	15.462	10.126	Purchase
11.02.2022	30.207	10.088	Purchase
12.02.2022	10.443	10.073	Purchase
13.02.2022	20.497	10.068	Purchase
14.02.2022	145	9.600	Purchase
15.02.2022	23.024	9.899	Purchase
16.02.2022	15.528	9.886	Purchase
17.02.2022	20.800	9.888	Purchase
18.02.2022	19.612	9.799	Purchase
19.02.2022	26.696	9.792	Purchase
20.02.2022	24.227	9.699	Purchase
21.02.2022	13.891	9.673	Purchase
22.02.2022	1.161	9.593	Purchase
24.02.2022	5.336	9.631	Purchase
25.02.2022	323	9.443	Purchase
26.02.2022	12.446	9.670	Purchase
27.02.2022	5.020	9.673	Purchase
28.02.2022	2.393	9.500	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 39.283.000 sm³ on 07 February 2022 Mon; additional balancing transactions with a minimum code of 1 were realized at the level of 145.000 sm³ on 14 February 2022 Mon.
- ✓ 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.