

EPIAS

NATURAL GAS MARKET MONTHLY BULLETIN

AUGUST 2022



SUMMARY DATA (1/2)

Arithmetic Means

	August 2022	July 2022	Monthly Change	August 2021	Annual Change
DRP (TL/'000 Sm ³)	17.780	13.023	36.5%	2.187	712.9%
WRP (TL/'000 Sm ³)	0	0	-	0	-
BGPP (TL/'000 Sm ³)	18.314	13.414	36.5%	2.253	712.9%
BGSP (TL/'000 Sm ³)	17.239	12.606	36.8%	2.122	712.5%
Traded Volume (mio.Sm ³)	4,43	3,68	20.3%	2,36	87.7%
Transaction Volume (TL)	78.791.494	47.155.078	67.1%	5.154.411	1428.6%
Gas Entry Volume (mio.Sm ³)	126,77	107,06	18.4%	137,24	-7.6%
Gas Exit Volume (mio.Sm ³)	126,56	107,07	18.2%	137,32	-7.8%
Number of Ordered Participants	10	8	27.0%	18	-45.5%
Number of Orders	17	15	10.3%	49	-65.6%
Number of Trades	5	4	14.0%	24	-79.1%

Maximum / Minimum Levels

	August 2022		July 2022		August 2021	
	Max	Min	Max	Min	Max	Min
DRP (TL/'000 Sm ³)	19.166	17.221	18.900	12.523	2.249	2.151
WRP (TL/'000 Sm ³)	0	0	0	0	0	0
BGPP (TL/'000 Sm ³)	19.741	17.738	19.467	12.899	2.317	2.216
BGSP (TL/'000 Sm ³)	18.591	16.705	17.500	12.147	2.182	2.087
Traded Volume (mio.Sm ³)	14,66	0,51	14,25	0,01	4,60	0,86
Transaction Volume (TL)	252.399.105	8.842.480	183.799.389	189.000	10.292.613	1.923.465
Gas Entry Volume (mio.Sm ³)	144,88	103,40	146,98	55,44	148,38	118,80
Gas Exit Volume (mio.Sm ³)	141,93	94,94	142,31	59,01	147,97	119,02
Number of Ordered Participants	12	6	10	3	19	14
Number of Orders	32	11	29	5	67	37
Number of Trades	8	3	10	1	38	11

SUMMARY DATA (2/2)

Totals

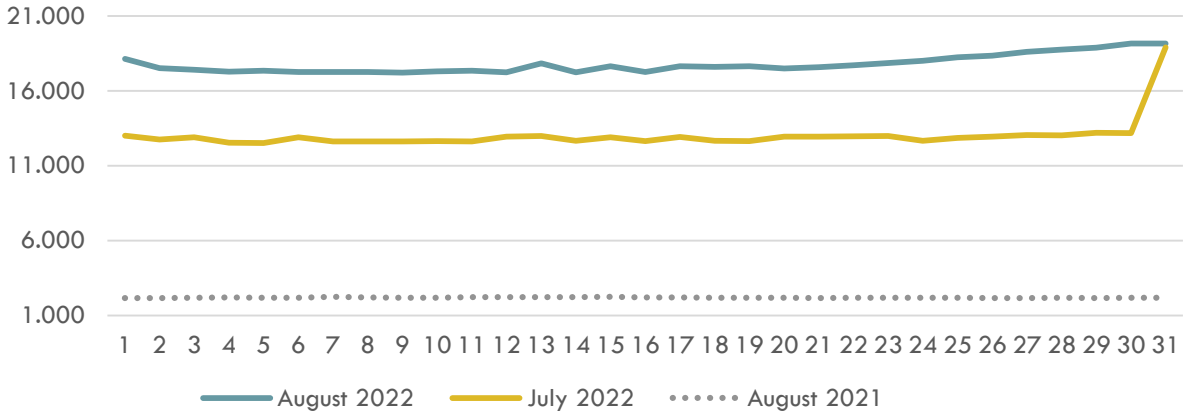
	August 2022	July 2022	Monthly Change	August 2021	Annual Change
Traded Volume (mio.Sm ³)	137,21	114,06	20.3%	73,09	87.7%
Transaction Volume (TL)	2.442.536.310	1.461.807.407	67.1%	159.786.734	1428.6%
Gas Entry Volume (mio.Sm ³)	3.802,99	3.318,89	14.6%	4.254,58	-10.6%
Gas Exit Volume (mio.Sm ³)	3.796,80	3.319,11	14.4%	4.257,03	-10.8%
Number of Orders	527	478	10.3%	1.532	-65.6%
Number of Trades	155	136	14.0%	742	-79.1%
Total Production of Natural Gas Based Power Plants (MWh)	8.913.179	5.216.599	70.9%	11.621.895	-23.3%
Total Electricity Generation (MWh)	29.329.533	26.862.811	9.2%	30.298.179	-3.2%
Ratio of Natural Gas Based Generation to Total Electricity Generation (%)	30	19	56.5%	38	-20.8%

Brent Oil and TTF Prices

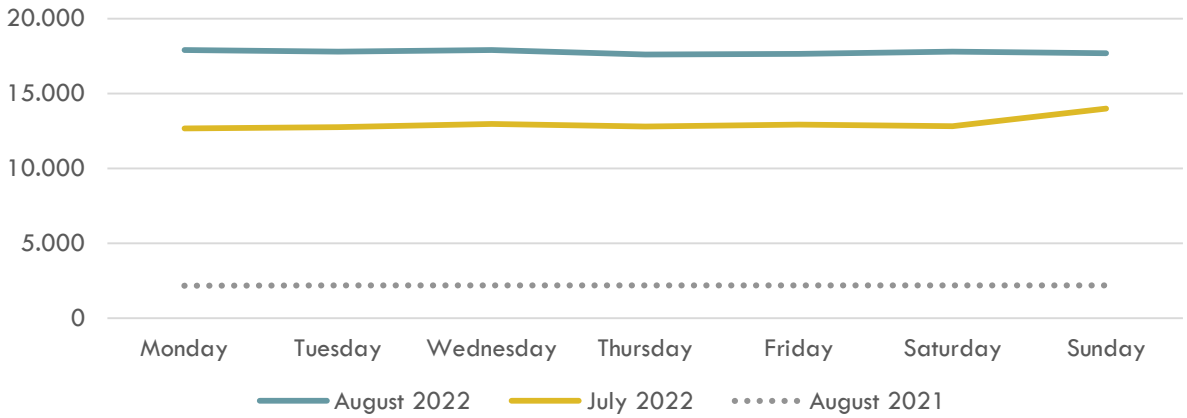
	August 2022	July 2022	Monthly Change	August 2021	Annual Change
Brent Oil(\$/bl)	97,74	105,12	-7,02%	70,51	38,62%
TTF (€/MWh)	234,98	168,86	39,16%	44,16	432,11%

PRICES (1/2)

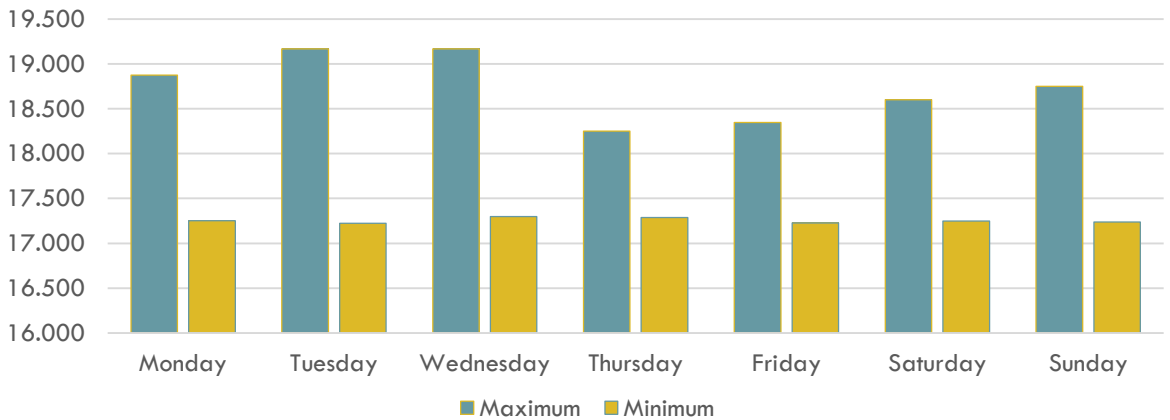
Natural Gas Market DRP (TL/'000 Sm³)



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

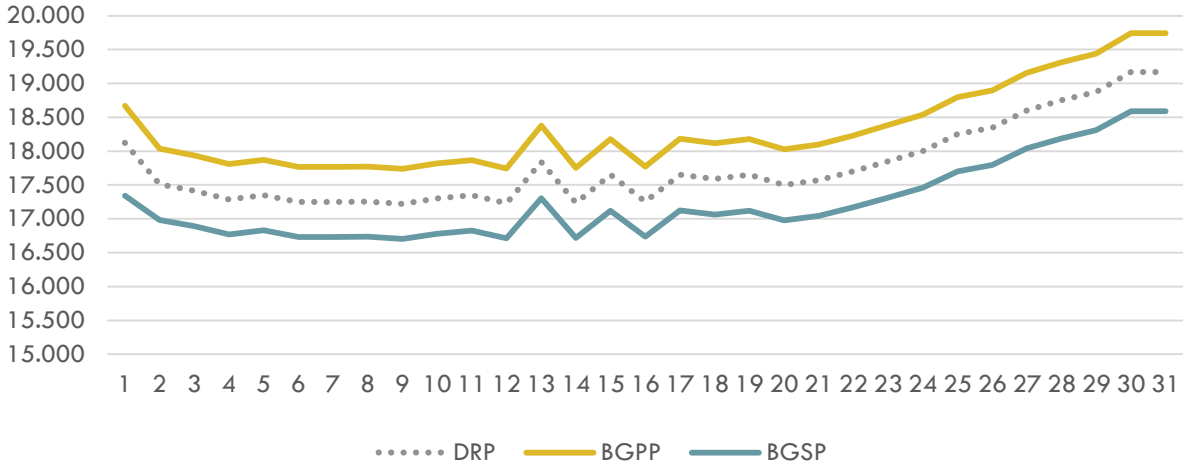


August 2022 Natural Gas Market By Days Max / Min DRP (TL/'000 Sm³)



PRICES (2/2)

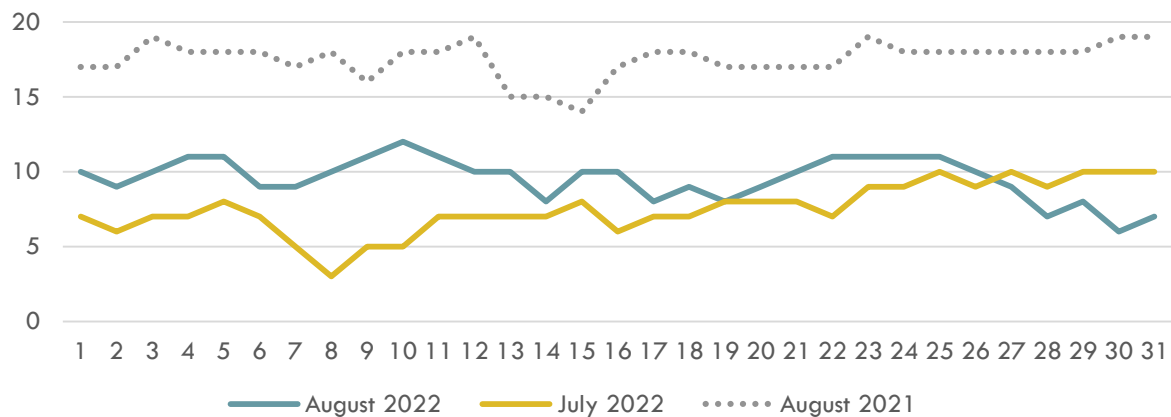
August 2022 DRP - BGPP - BGSP (TL/'000 Sm³)



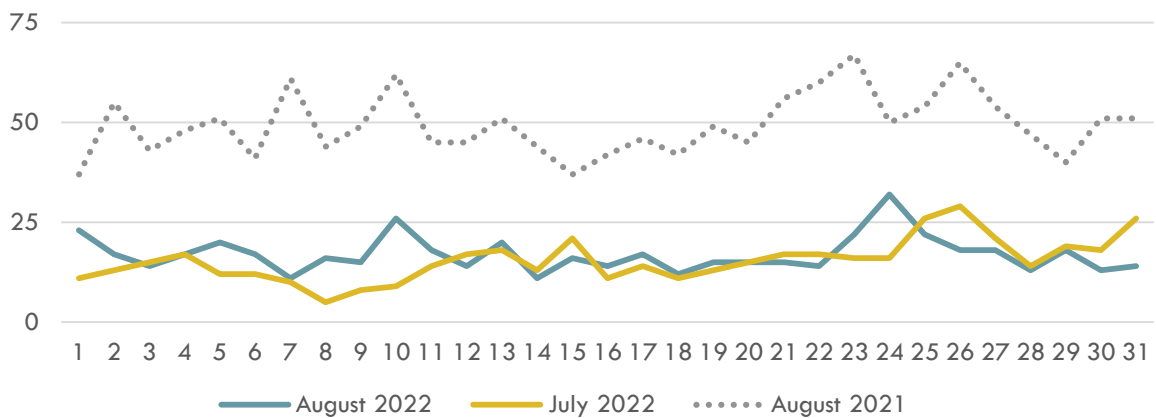
- ✓ The maximum DRP was 19.166 TL on 30 August 2022 Tue; the minimum DRP was realized at the level of 17.221 TL on 09 August 2022 Tue.
- ✓ The Maximum BGPP was 19.741 on 30 August 2022 Tue; the minimum BGPP was realized at the level of 17.738 TL on 09 August 2022 Tue.
- ✓ The maximum BGSP was 18.591 on 30 August 2022 Tue; the minimum BGSP was realized at the level of 16.705 TL on 09 August 2022 Tue.

ORDERS, TRADES, VOLUMES (1/3)

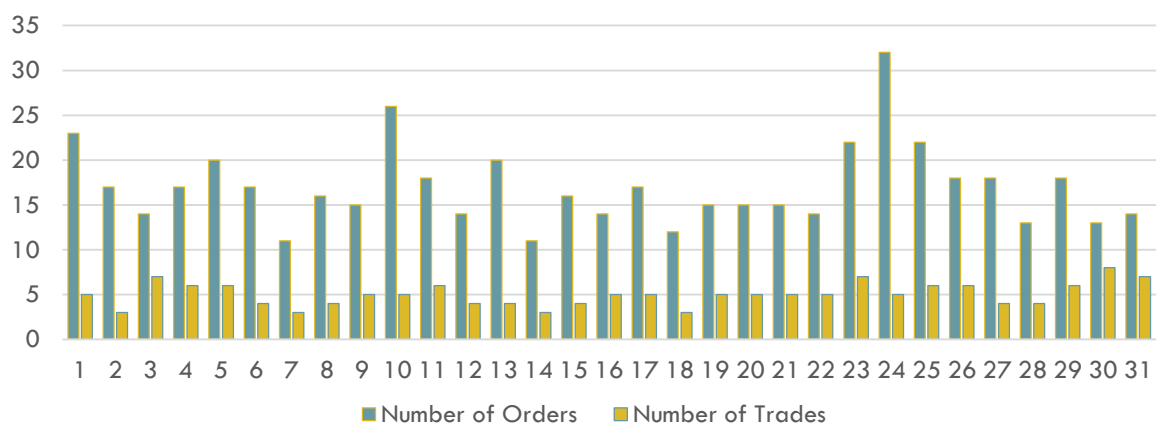
Natural Gas Market Number of Ordered Participants



Natural Gas Market Number of Orders

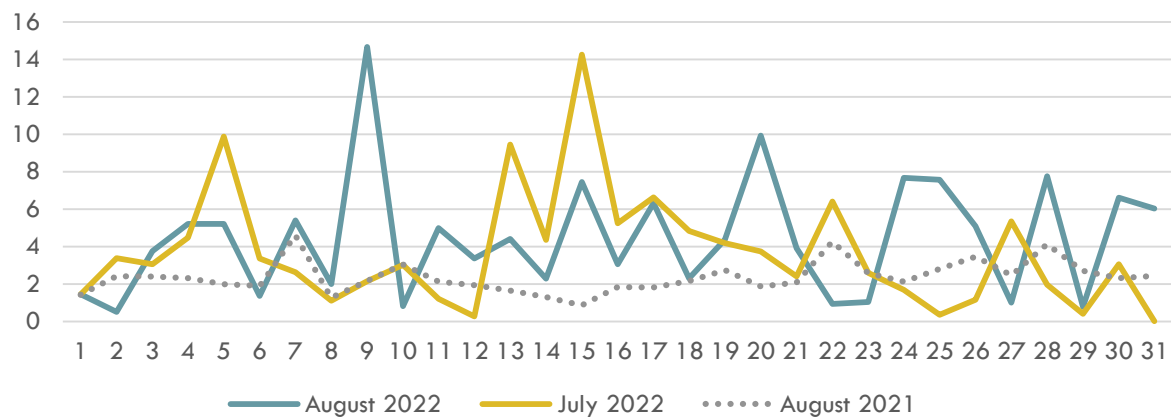


August 2022 Natural Gas Market Number of Orders and Trades

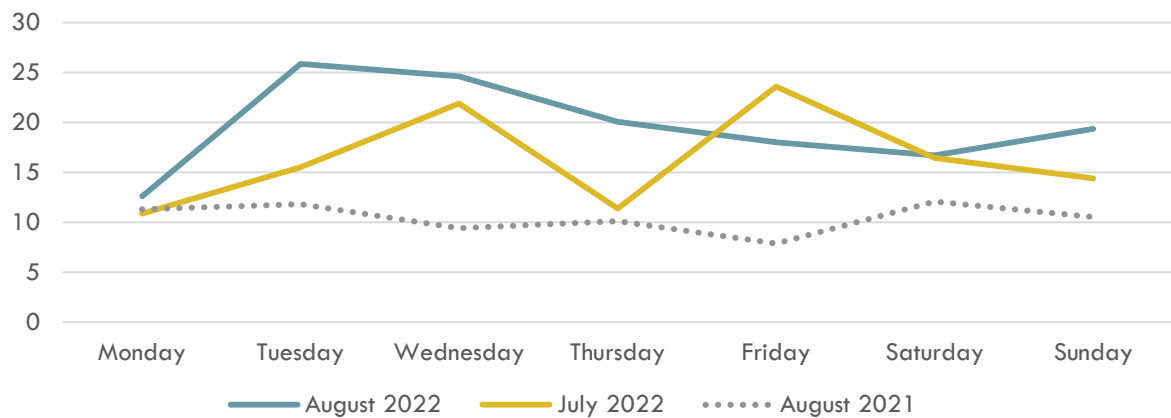


ORDERS, TRADES, VOLUMES (2/3)

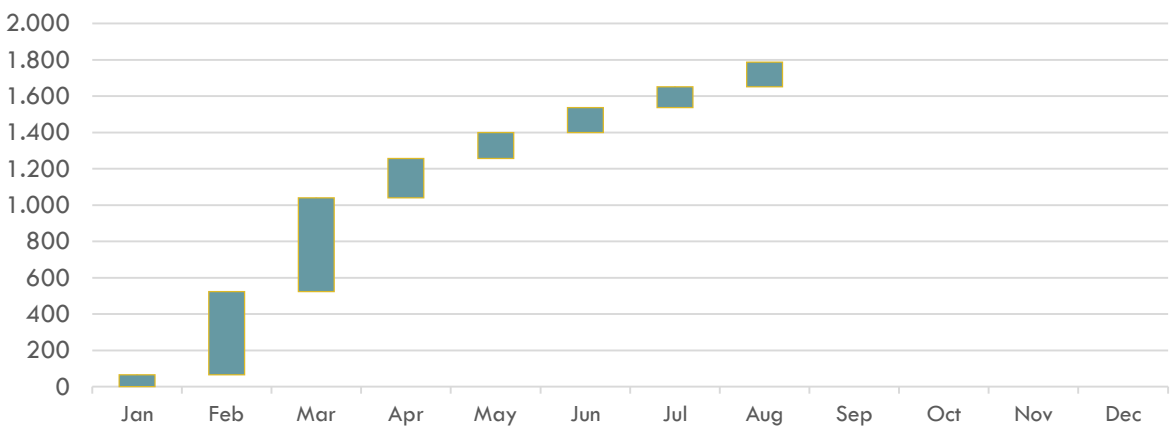
Natural Gas Market Trade Volume (mio.Sm³)



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

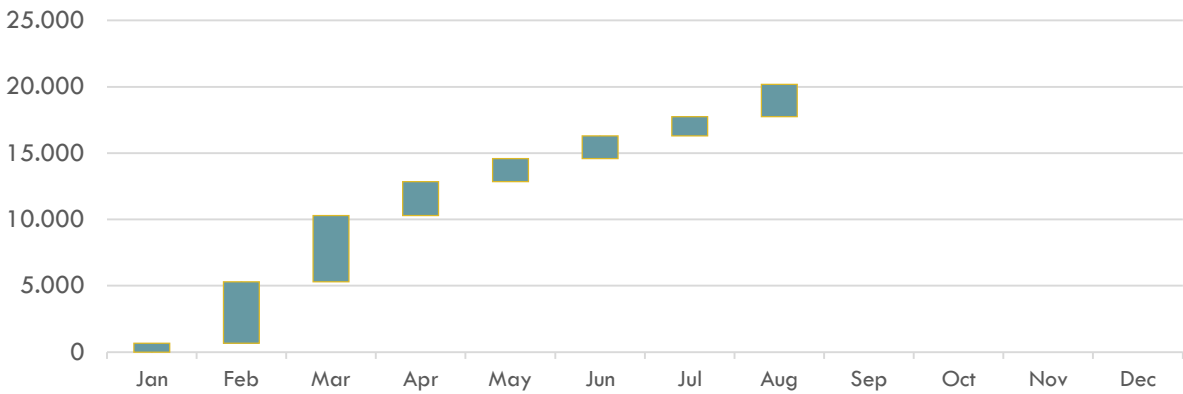


Natural Gas Market Annual Accumulated Trade Volume for 2022 (mio.Sm³)

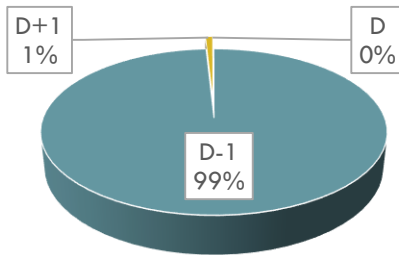


ORDERS, TRADES, VOLUMES (3/3)

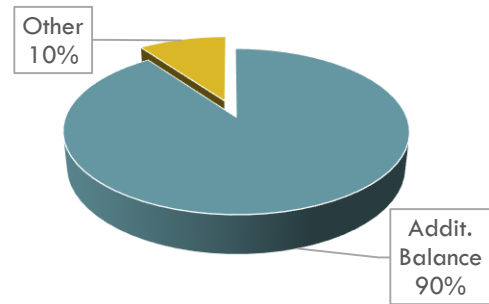
Natural Gas Market Annual Accumulated Transaction Volume for 2022 (Million TL)



Traded Volume of Daily Contracts for August 2022 Period by Sessions

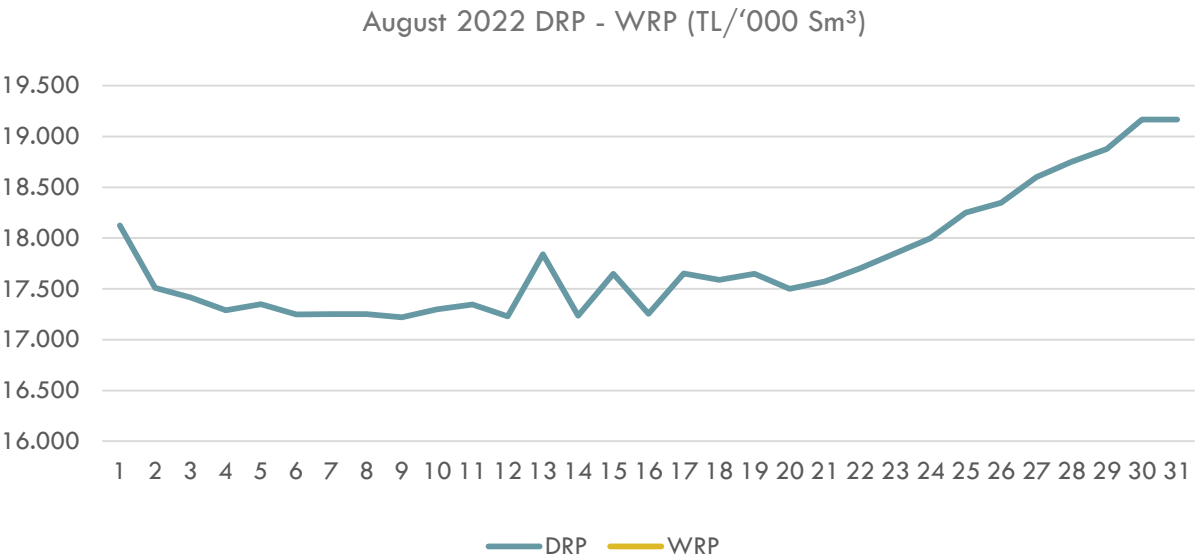
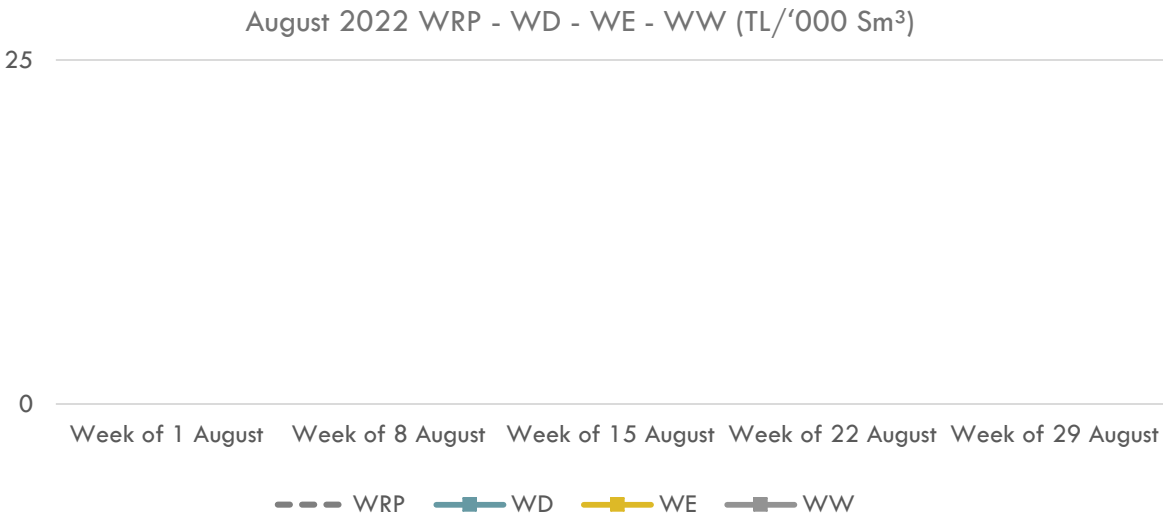


Additional Balancing Traded Volume for August 2022 Period



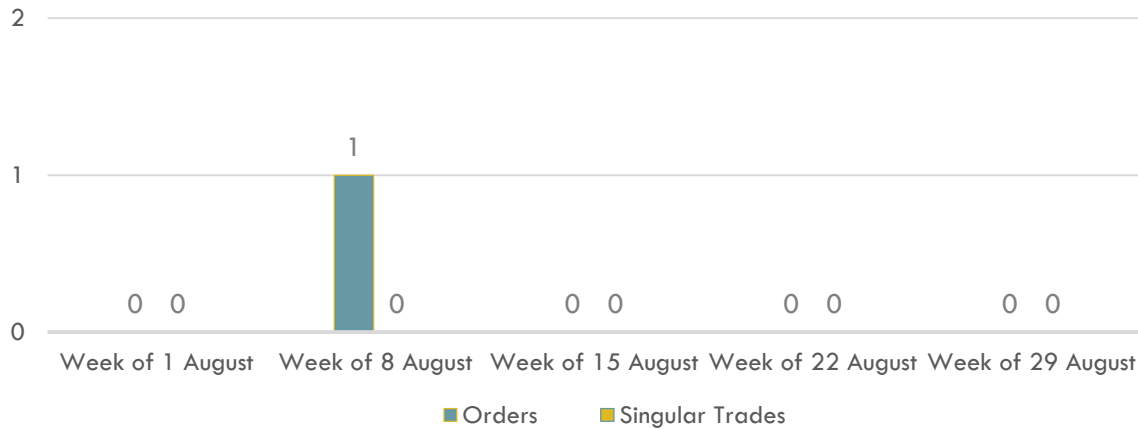
- ✓ The maximum total traded volume was 14.656 sm³ on 09 August 2022 Tue; the minimum total traded volume was realized at the level of 505 sm³ on 02 August 2022 Tue.
- ✓ The maximum total transaction volume was 252.399.105 TL on 09 August 2022 Tue; the minimum total transaction volume was realized at the level of 8.842.480 TL on 02 August 2022 Tue.
- ✓ The maximum d-1 traded volume was 14.653.000 sm³ on 09 August 2022 Tue; the minimum d-1 traded amount was realized at the level of 505.000 sm³ on 02 August 2022 Tue.
- ✓ The maximum d-1 traded volume was 252.346.455 TL on 09 August 2022 Tue; the minimum d-1 traded amount was realized at the level of 8.842.480 TL on 02 August 2022 Tue.
- ✓ The maximum d traded volume was 25.000 sm³ on 10 August 2022 Wed; the minimum d traded amount was realized at the level of 0 sm³ on 01 August 2022 Mon.
- ✓ The maximum d traded volume was 442.750 TL on 12 August 2022 Fri; the minimum d traded amount was realized at the level of 0 TL on 01 August 2022 Mon.
- ✓ The maximum d+1 traded volume was 124.000 sm³ on 27 August 2022 Sat; the minimum d+1 traded amount was realized at the level of 0 sm³ on 02 August 2022 Tue.
- ✓ The maximum d+1 traded volume was 2.313.650 TL on 27 August 2022 Sat; the minimum d+1 traded amount was realized at the level of 0 TL on 02 August 2022 Tue.
- ✓ The ratio of ctp compared to total consumption was realized at the level of 3,4% in August 2022.
- ✓ Ctp share in virtual trade was realized at 29,6% in August 2022.

WEEKLY PRODUCTS (1/2)

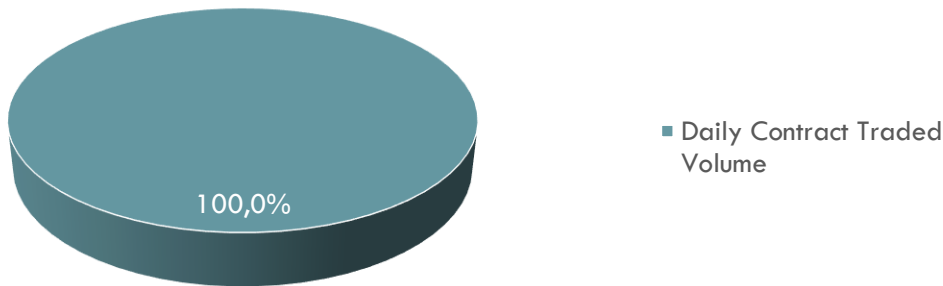


WEEKLY PRODUCTS (2/2)

August 2022 Weekly Products Number of Orders and Trades



August 2022 Traded Volume Distribution by Contract Type



STP

Last 1 Year Trades

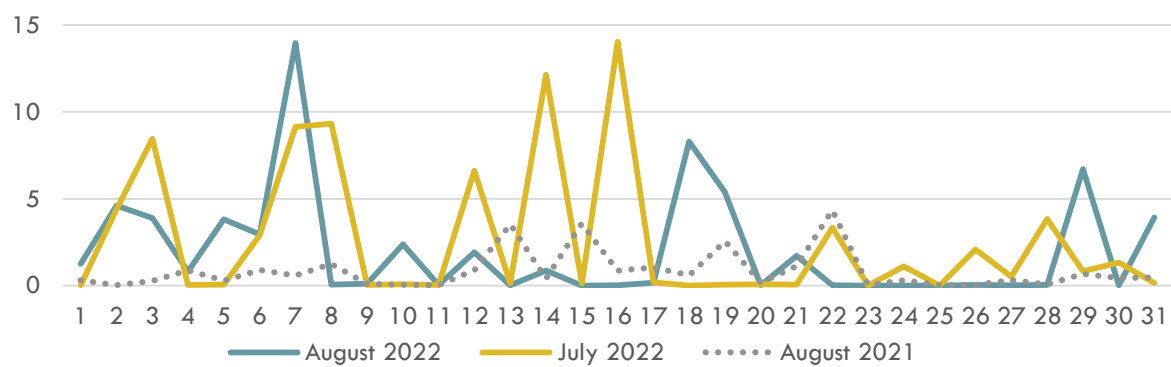
Period	Traded Volume (mio.Sm ³)	Traded Amount (TL)
Aug 2021	73,09	159.786.734
Sep 2021	77,88	192.348.772
Oct 2021	86,87	272.972.795
Nov 2021	49,46	227.618.483
Dec 2021	76,85	327.403.990
Jan 2022	66,36	559.271.803
Feb 2022	458,09	1.044.258.193
Mar 2022	515,31	1.692.333.624
Apr 2022	216,42	1.565.597.680
May 2022	144,42	1.116.289.688
Jun 2022	136,23	1.412.791.812
Jul 2022	114,06	1.161.807.407
Aug 2022	137,21	1.642.536.310

CTP's share in Total Cons. and Virtual Trade

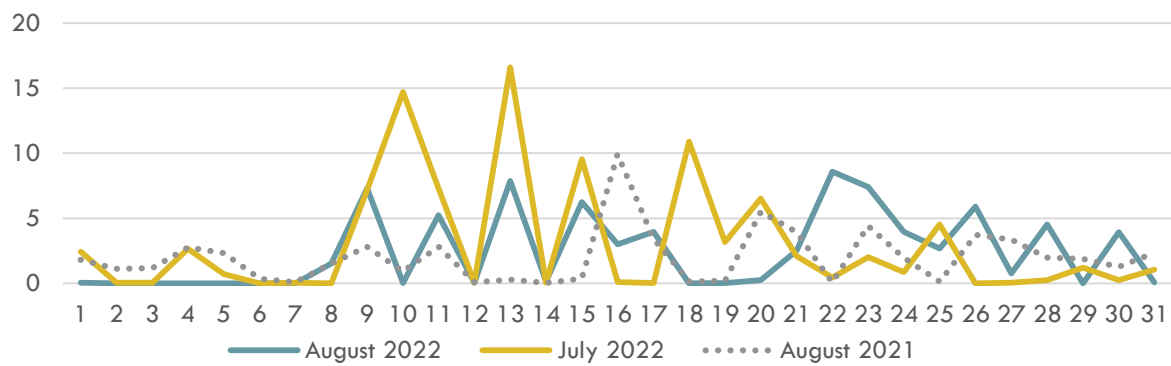
Period	Total Consumption (%)	Virtual Trade (%)
Aug 2021	1,7%	12,3%
Sep 2021	1,9%	12,8%
Oct 2021	1,8%	10,9%
Nov 2021	0,9%	5,4%
Dec 2021	1,1%	8,4%
Jan 2022	0,9%	7,2%
Feb 2022	7,2%	31,9%
Mar 2022	7,3%	38,6%
Apr 2022	5,1%	40,5%
May 2022	3,9%	29,9%
Jun 2022	3,7%	28,2%
Jul 2022	3,4%	22,0%
Aug 2022	3,4%	29,6%

TRANSMISSION SYSTEM DATA (1/2)

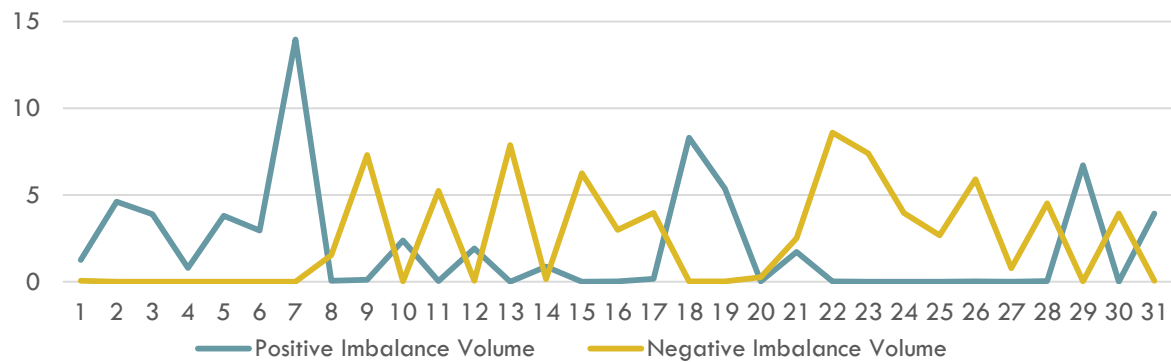
Natural Gas Market Positive Imbalance Volume (mio.Sm³)



Natural Gas Market Negative Imbalance Volume (mio.Sm³)

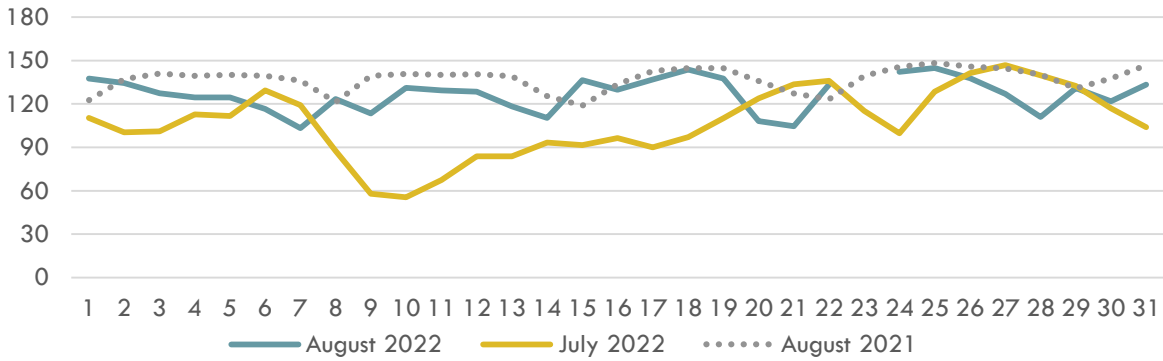
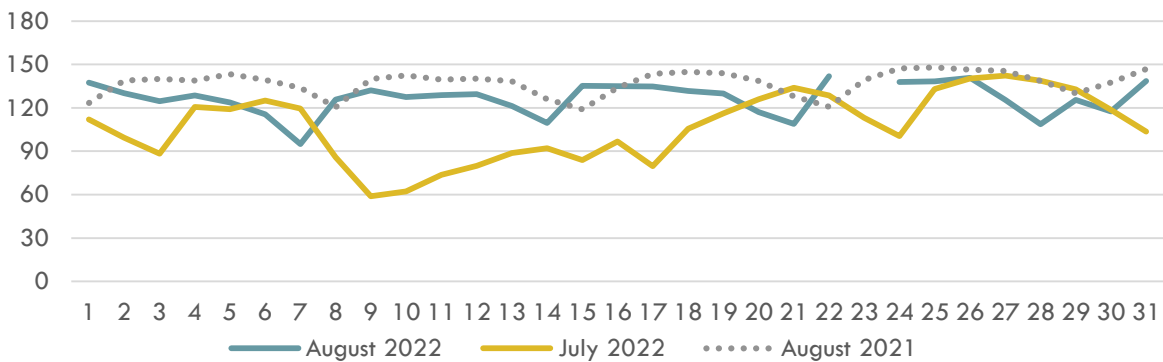
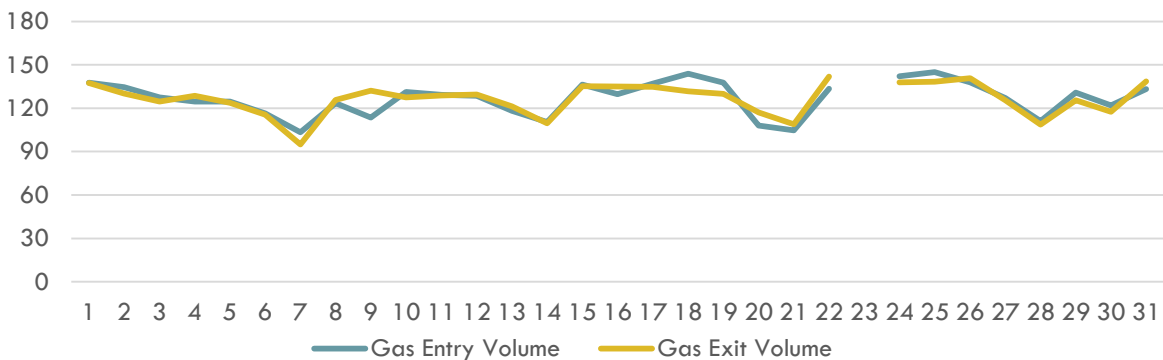


August 2022 Period Negative and Positive Imbalance Volume (mio.Sm³)



- ✓ The maximum positive imbalance volume was 13.963.737 sm³ on 07 August 2022 Sun; the minimum positive imbalance volume was realized at the level of 554 sm³ on 24 August 2022 Wed.
- ✓ The maximum negative imbalance volume was 8.592.668 sm³ on 22 August 2022 Mon; the minimum negative imbalance volume was realized at the level of 3.012 sm³ on 07 August 2022 Sun.

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 25 August 2022 Thu was 144.882.555 sm³; minimum gas entry volume on 07 August 2022 Sun was 103.402.482 sm³ levels.
- ✓ Maximum gas exit volume realized on 22 August 2022 Mon was 141.928.833 sm³; minimum gas exit volume 07 August 2022 Sun was 94.944.786 sm³ levels.
- ✓ Maximum gas volume in stocks realized on 07 August 2022 Sun was 425.597.629 sm³; minimum stok gas volume 24 August 2022 Wed was 399.207.507 sm³ levels.

ADDITIONAL BALANCING TRANSACTIONS

Transactions with 1 Code

Contract Day	Transaction Volume ('000 Sm ³)	WAP (TL/'000 Sm ³)	Direction
01.08.2022	1.376	18.125	Sales
02.08.2022	385	17.500	Sales
03.08.2022	1.498	17.343	Sales
04.08.2022	4.862	17.300	Sales
05.08.2022	4.346	17.351	Sales
06.08.2022	989	17.245	Sales
07.08.2022	5.274	17.250	Sales
08.08.2022	1.866	17.251	Sales
09.08.2022	13.732	17.221	Sales
10.08.2022	471	17.300	Purchase
11.08.2022	4.871	17.347	Purchase
12.08.2022	3.241	17.223	Sales
13.08.2022	4.379	17.844	Purchase
14.08.2022	2.264	17.231	Sales
15.08.2022	7.334	17.650	Purchase
16.08.2022	2.995	17.251	Sales
17.08.2022	6.202	17.651	Purchase
18.08.2022	2.181	17.590	Purchase
19.08.2022	3.897	17.650	Purchase
20.08.2022	9.867	17.501	Sales
21.08.2022	3.869	17.572	Sales
22.08.2022	877	17.701	Sales
23.08.2022	426	17.850	Purchase
24.08.2022	7.632	17.999	Purchase
25.08.2022	7.358	18.250	Purchase
26.08.2022	3.434	18.304	Purchase
27.08.2022	875	18.600	Purchase
28.08.2022	6.460	18.750	Purchase
29.08.2022	653	18.876	Sales
30.08.2022	3.988	19.166	Purchase
31.08.2022	5.980	19.166	Sales

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 13.732.000 sm³ on 09 August 2022 Tue; additional balancing transactions with a minimum code of 1 were realized at the level of 385.000 sm³ on 02 August 2022 Tue.
- ✓ In August, no additional balancing transaction code of 2 was realized.
- ✓ In August, no additional balancing transaction code of 3 was realized.
- ✓ In August, no additional balancing transaction code of 4 was realized.