

wiren

WEEKLY ENERGY REPORT

52 / 2024

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Day Ahead Market Price

DAM PRICES

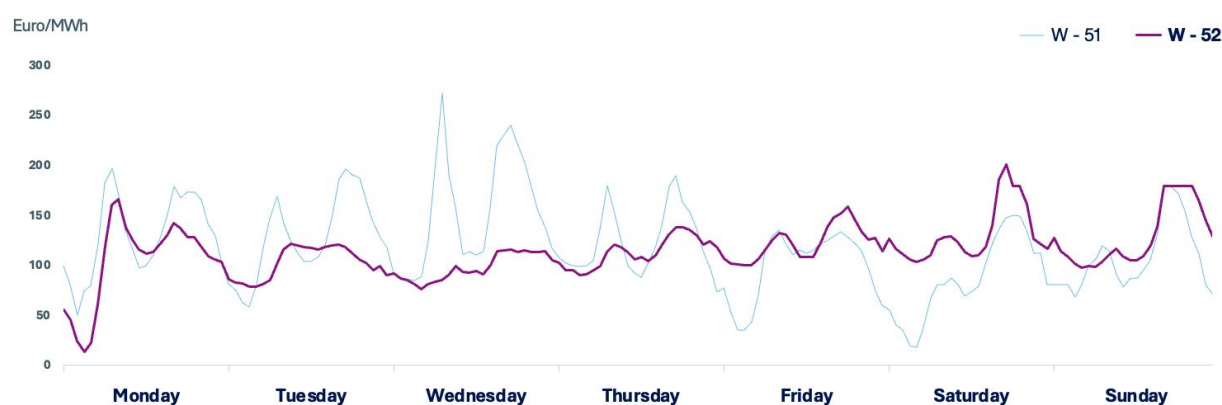
CET Hours

	Week 51 [Euro/MWh]	Week 52 [Euro/MWh]	Variation %
Average Price	117,93	114,09	-3,3%
Maximum Price	272,17	200,24	-26,4%
Minimum Price	18,11	13,47	-25,6%
$\Delta\text{Price} = \max(\text{average}) - \min(\text{average})$	115,97	67,37	-41,9%

The romanian energy market saw a decrease across the board. The average price dropped by 3.3%, settling at **€114.09/MWh**, while the maximum price saw a more significant decline of 26.4%, going from **€272.17/MWh** to **€200.24/MWh**.

Similarly, the minimum price also dropped by 25.6%, moving from **€18.11/MWh** to **€13.47/MWh**.

Hourly Prices



We've seen a change compared to last year's holiday period. During Christmas 2023, spot prices in Romania were exceptionally low, with nearly half of the hourly prices falling under **€1/MWh**, and the average for the two days was just **€14/MWh**.

Fast forward to 2024, and things look a bit different. On December 25th and 26th, the lowest hourly price was **€76/MWh**, and the average for the holiday period was **€105/MWh**.



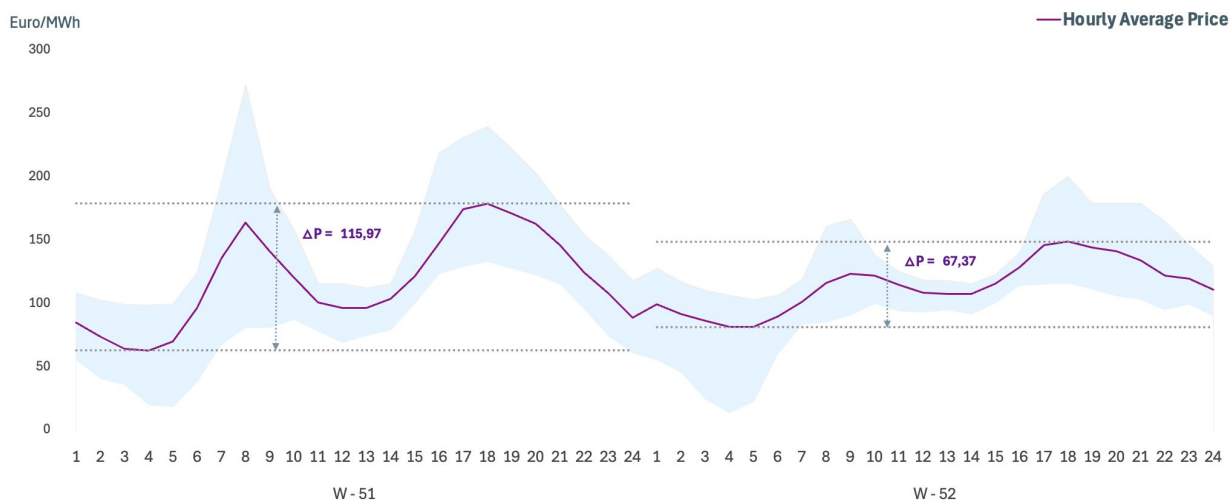
Prices Spread

Hour (CET)	Monday 23-Dec	Tuesday 24-Dec	Wednesday 25-Dec	Thursday 26-Dec	Friday 27-Dec	Saturday 28-Dec	Sunday 29-Dec	Average Price Week	Average Price Weekdays	Average Price Weekend
1	55,14	86,03	91,37	102,17	106,79	126,40	127,39	99,33	88,30	126,90
2	44,97	82,84	86,44	95,06	101,52	116,63	114,09	91,65	82,17	115,36
3	23,96	81,89	85,07	94,61	101,03	110,15	107,71	86,35	77,31	108,93
4	13,47	78,00	80,81	89,64	99,74	105,92	101,70	81,33	72,33	103,81
5	22,38	78,78	75,99	90,87	99,58	102,93	97,73	81,18	73,52	100,33
6	60,03	80,60	80,81	95,10	106,20	105,58	98,61	89,56	84,55	102,10
7	118,67	85,07	83,01	99,00	115,70	109,71	98,16	101,33	100,29	103,94
8	160,43	100,83	84,94	112,73	124,29	124,24	103,18	115,81	116,64	113,71
9	166,18	115,09	90,21	120,46	131,85	128,00	110,71	123,21	124,76	119,36
10	138,09	120,95	99,24	118,23	130,15	128,30	116,31	121,61	121,33	122,31
11	125,00	120,00	93,56	113,25	120,10	122,83	108,56	114,76	114,38	115,70
12	115,68	118,16	92,55	106,01	107,94	113,40	105,15	108,41	108,07	109,28
13	111,14	117,49	94,41	107,71	107,81	108,97	105,13	107,52	107,71	107,05
14	112,89	115,38	91,03	103,90	107,94	110,01	108,88	107,15	106,23	109,45
15	120,78	117,98	99,89	109,64	122,44	118,07	119,90	115,53	114,15	118,99
16	129,58	119,50	114,08	120,75	138,02	139,35	138,97	128,61	124,39	139,16
17	142,06	120,21	114,86	130,07	147,38	185,97	178,88	145,63	130,92	182,43
18	137,12	118,00	115,74	137,90	151,95	200,24	178,88	148,55	132,14	189,56
19	127,65	110,98	113,08	138,05	158,40	178,89	178,88	143,70	129,63	178,89
20	127,77	105,66	114,66	135,71	146,43	178,88	178,88	141,14	126,05	178,88
21	119,10	102,56	113,21	129,13	133,14	160,59	178,89	133,80	119,43	169,74
22	108,69	94,63	113,01	120,85	125,42	125,90	164,94	121,92	112,52	145,42
23	105,82	99,04	114,07	123,50	126,76	121,25	146,18	119,52	113,84	133,72
24	103,03	90,00	104,63	116,98	114,00	116,12	129,09	110,55	105,73	122,61
Average	103,73	102,49	97,78	112,97	121,86	130,76	129,03	114,09	107,77	129,90
ΔPrice	152,71	42,95	39,75	48,41	58,82	97,31	81,16	67,37	59,81	89,23

Maximum Minimum

[Euro/MWh]

On Saturday, December 28th, Romania reached its highest hourly price of the week, **€200.24/MWh**, within the 18th time slot of the day. Bulgaria recorded the same price at that time. Looking at neighboring countries, Hungary set its own weekly high at **€209.91/MWh**, Croatia reached **€180.27/MWh**, and Slovenia's highest price was **€167.55/MWh**.

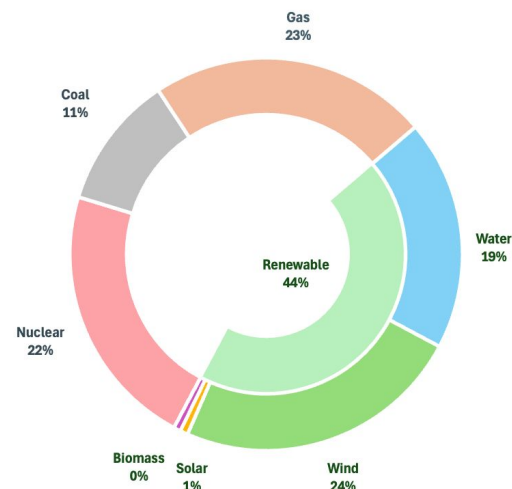


We noticed a clear narrowing in the price spread. The difference between the highest and lowest hourly prices dropped from **€115.97/MWh in week 51** to **€67.37/MWh in week 52**.



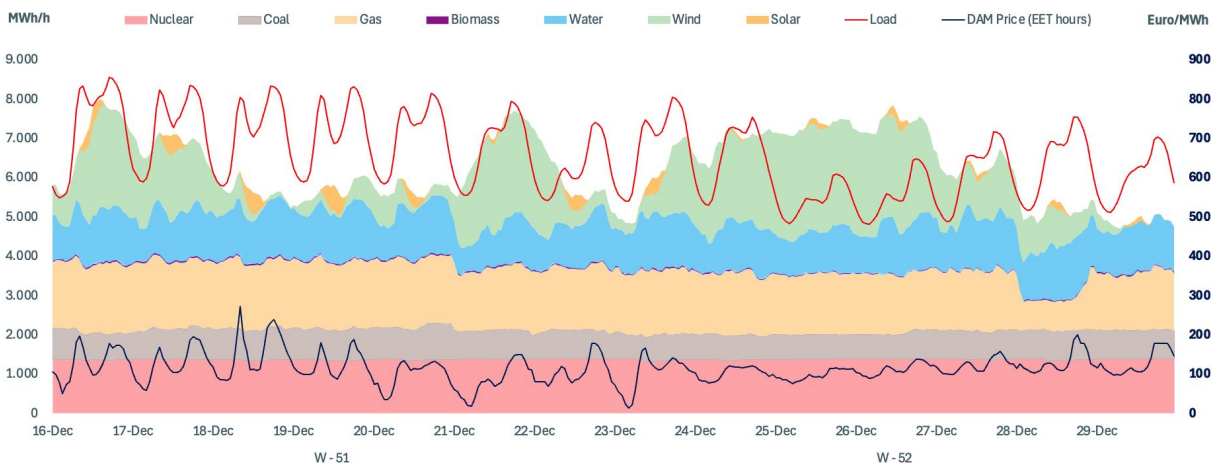
Energy Overview

	EET Hours		
	Week 51 GWh	Week 52 GWh	Variation %
PRODUCTION	1.049	1.053	0,3%
Nuclear	231	231	0,1%
Coal	130	116	-10,6%
Gas	283	242	-14,3%
Water	198	200	1,2%
Wind	186	250	34,8%
Solar	15	7	-55,6%
Biomass	7	6	-16,4%
LOAD	1.178	1.031	-12,5%
SOLD	-129	22	-83,1%
DAM Price (EET hours) [Euro/MWh]	118,13	113,75	-3,7%



Looking at Romania's energy production and consumption for the final week of the year, we can see a 13% drop in energy demand. Despite this, national energy production remained relatively stable. What stands out, however, is the significant contribution of renewable energy, particularly wind power. For the first time in 2024, wind energy made up **around 25%** of total energy production for the week, marking a strong finish to the year for green energy.

Hourly Generation



On Christmas Day, Romania set a new wind energy milestone, with hourly production exceeding 2,600 MWh/h. This output met almost half of the country's electricity demand for the holiday. As the week went on, wind production decreased, and with a planned reduction in gas plant output on December 28th, **we transitioned from being a net exporter to an importer, after several days of significant exports.**

European Day Ahead Market Prices



Most European countries saw prices staying above €100/MWh, but the Nordic and Baltic countries took a different path. Finland and Sweden stood out with significant price drops, while countries in Eastern Europe, like Bulgaria, Greece, Romania, Serbia, Hungary, and Slovakia, experienced only slight declines. On the other hand, there were remarkable increases in Denmark (+195%), Germany (+99%), and the Netherlands (+74%).

Italy took the lead this week with an average price above €120/MWh, while the rest of the region generally stayed just under that level. On December 27th, **the Baltics reached the highest hourly price of €222.57/MWh**, and later that day, **seven countries**, including Austria, Belgium, and the Netherlands, recorded their highest price of **€158.40/MWh**.



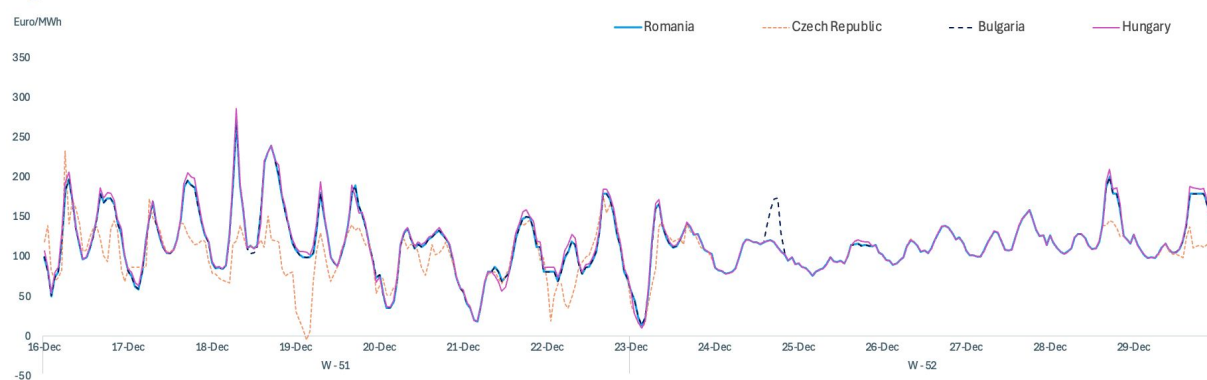
European Energy Context

DAM PRICES

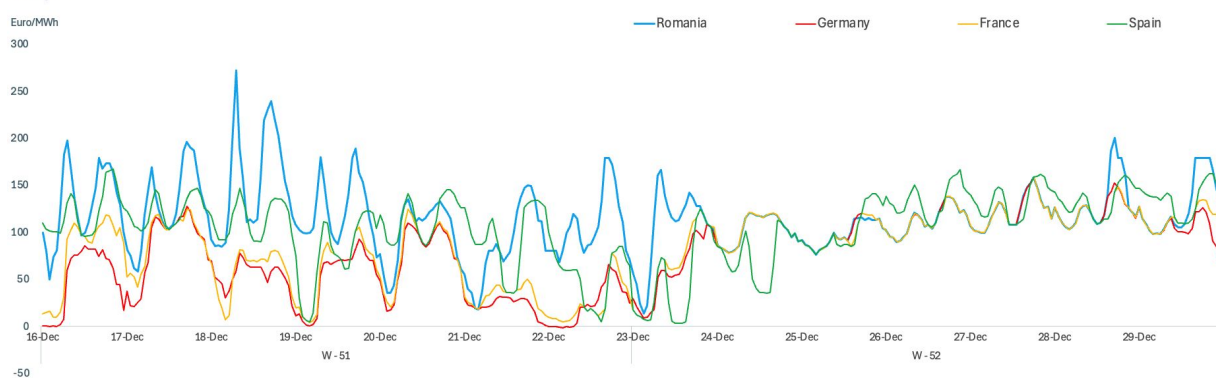
CET Hours

	Week 51 [Euro/MWh]	Week 52 [Euro/MWh]	Variation %
Romania	117,93	114,09	-3,3%
Bulgaria	117,84	115,28	-2,2%
Hungary	120,79	114,77	-5,0%
Czech Republic	99,46	108,69	9,3%
Germany	51,92	103,25	98,9%
France	60,66	104,46	72,2%
Spain	99,34	108,31	9,0%

Region



Europe





Energy belongs to everyone!

Wiren is an renewable energy & infrastructure solutions group with strong emphasis on EPC and PV/BESS development.

Our purpose is rooted in the belief that energy should be clean, sustainable, and accessible to everyone. With a commitment to innovation and excellence, we constantly challenge and reshape the energy industry.

Our vision is to make renewable energy a universal right, transforming how the world accesses and utilizes energy.

By continuously innovating and removing barriers to energy access, we strive to make renewable resources a tangible reality for communities and industries worldwide.

Disclaimer

Wiren Weekly Energy Report (WVER) is a personalized guide to the Romanian and European energy markets, with focus on most important highlights and events from previous week.

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