

wiren

WEEKLY ENERGY REPORT

48 / 2024

Market Insights and Highlights from
the European Energy Landscape

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Day Ahead Market Price

DAM PRICES

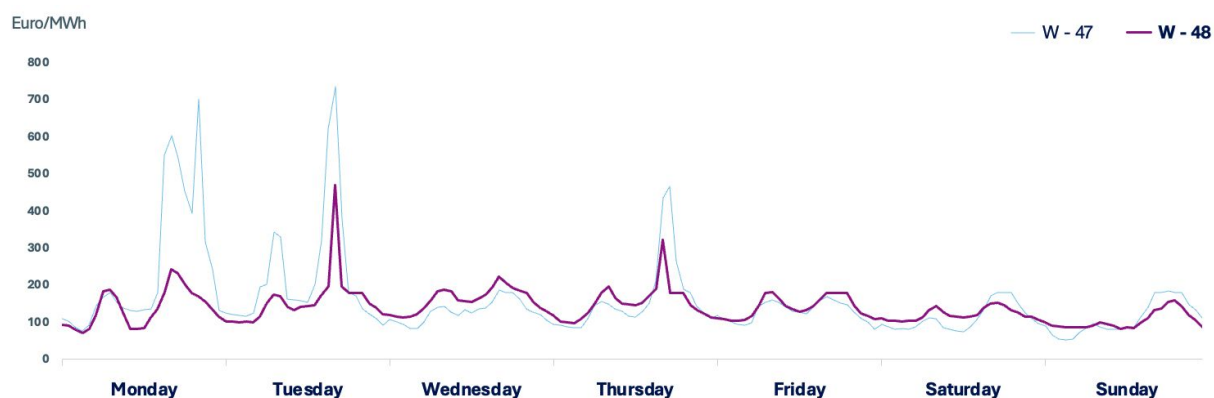
CET Hours

	Week 47 [Euro/MWh]	Week 48 [Euro/MWh]	Variation %
Average Price	158,07	138,74	-12,2%
Maximum Price	733,65	469,41	-36,0%
Minimum Price	51,16	70,80	38,4%
$\Delta\text{Price} = \max(\text{average}) - \min(\text{average})$	269,54	148,52	-44,9%

Romania's energy market had a more balanced rhythm this week, showing signs of easing volatility. On Tuesday, the highest hourly price reached **€469,41/MWh**, a significant drop of 36% from the dramatic highs of the previous week. This shift reflects a market recalibrating after a period of fluctuations.

The average price for the week followed a similar trend, settling at **€138,74/MWh**, a 12.2% decline, bringing some relief to market dynamics. The minimum price rose to **€70,80/MWh**, up by 38.4%

Hourly Prices



When comparing the two weeks, Week 48 exhibited a smoother profile with **less extreme hourly price swings**. This is evident in the reduced intensity of peaks and troughs, particularly during the midweek and weekend periods.



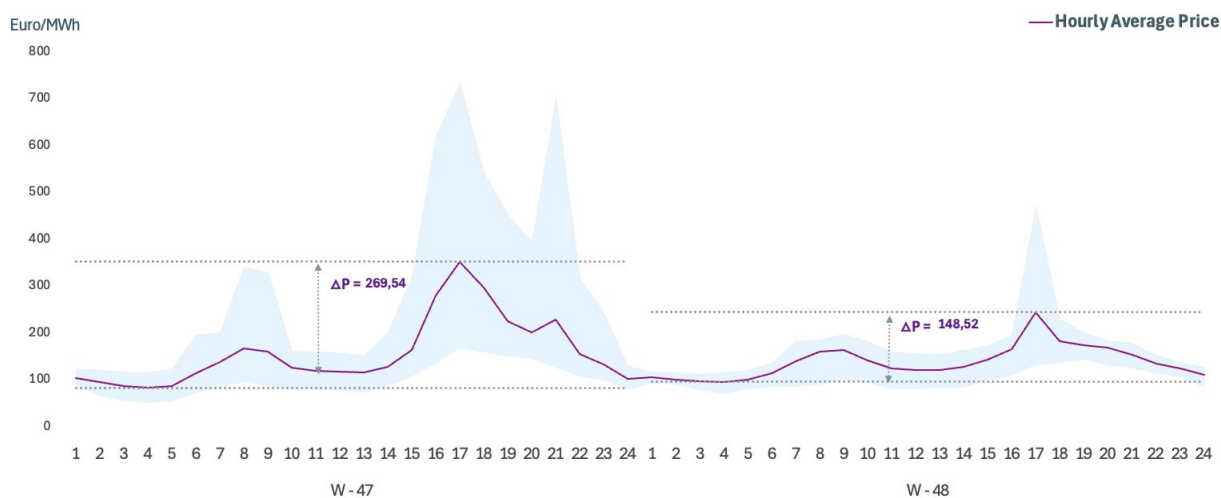
Prices Spread

Hour (CET)	Monday 25-Nov	Tuesday 26-Nov	Wednesday 27-Nov	Thursday 28-Nov	Friday 29-Nov	Saturday 30-Nov	Sunday 1-Dec	Average Price Week	Average Price Weekdays	Average Price Weekend
1	91,56	101,62	117,79	117,10	110,30	109,28	99,66	106,76	107,67	104,47
2	90,19	101,67	115,16	102,12	107,01	102,66	90,01	101,26	103,23	96,34
3	78,59	99,37	112,65	99,04	103,47	103,11	88,14	97,77	98,62	95,63
4	70,80	101,43	114,98	97,45	103,36	102,07	85,70	96,54	97,60	93,89
5	80,39	99,04	120,66	108,54	106,34	103,09	85,00	100,44	102,99	94,05
6	117,96	115,17	135,87	125,67	116,34	104,01	85,87	114,41	122,20	94,94
7	181,59	152,49	157,53	148,59	142,41	113,10	84,91	140,09	156,52	99,01
8	186,24	174,37	183,29	178,88	178,88	131,86	90,15	160,52	180,33	111,01
9	167,10	170,02	187,63	196,77	181,36	142,30	99,82	163,57	180,58	121,06
10	121,42	140,68	182,85	165,49	163,21	128,05	94,60	142,33	154,73	111,33
11	80,39	131,17	159,04	150,13	142,72	115,93	89,30	124,10	132,69	102,62
12	80,39	141,18	156,62	147,04	133,80	114,14	82,38	122,22	131,81	98,26
13	84,60	143,87	154,83	144,88	127,92	111,97	85,25	121,90	131,22	98,61
14	112,58	146,13	163,66	151,72	131,94	114,39	83,08	129,07	141,21	98,74
15	134,12	171,23	173,65	171,30	142,38	118,78	99,49	144,42	158,54	109,14
16	179,67	195,68	192,97	190,09	160,01	138,73	109,92	166,72	183,68	124,33
17	242,19	469,41	221,50	322,09	178,88	150,45	130,91	245,06	286,81	140,68
18	230,44	196,75	204,64	178,88	178,88	152,55	136,87	182,72	197,92	144,71
19	201,25	178,89	190,59	178,88	178,45	144,23	153,44	175,10	185,61	148,84
20	178,89	178,88	183,76	178,88	178,88	131,96	157,86	169,87	179,86	144,91
21	169,96	178,88	177,50	144,10	142,65	124,51	140,85	154,06	162,62	132,68
22	153,90	148,78	153,70	133,05	123,62	115,08	119,23	135,34	142,61	117,16
23	135,18	137,99	137,94	122,16	117,49	114,78	105,32	124,41	130,15	110,05
24	115,32	121,95	127,78	112,60	108,62	106,67	85,00	111,13	117,25	95,84
Average	136,86	158,19	159,44	152,73	139,96	120,57	103,45	138,74	149,44	112,01
ΔPrice	171,39	370,37	108,85	224,64	78,00	50,48	75,48	148,52	189,21	54,95

Maximum Minimum

[Euro/MWh]

Weekdays showed significantly higher price volatility, with an average price of **€149,44** and a spread of **€189,21** between the highest and lowest hourly averages. In contrast, **weekend days** were much calmer, with an average price of **€112,01** and a tighter spread of **€54,95**.

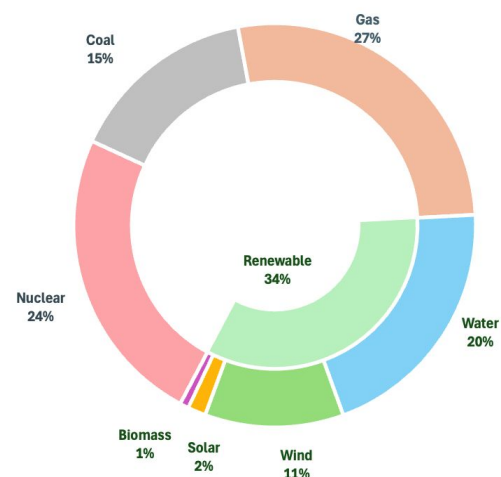


The difference between max and min hourly average prices across the week decreased from **€269,54** to **€148,52**, reflecting greater market stability.



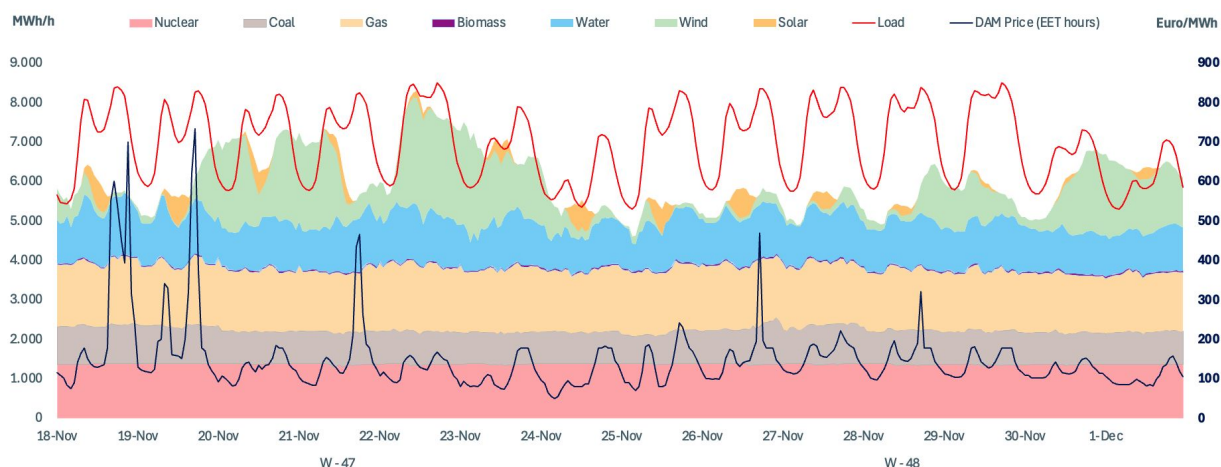
Energy Overview

	Week 47	Week 48	EET Hours
	GWh	GWh	Variation %
PRODUCTION	1.070	957	-10,5%
Nuclear	231	230	-0,4%
Coal	146	146	-0,3%
Gas	267	259	-2,8%
Water	199	194	-2,4%
Wind	200	107	-46,6%
Solar	20	14	-31,4%
Biomass	6	7	7,8%
LOAD	1.172	1.171	-0,1%
SOLD	-102	-214	109,7%
DAM Price (EET hours) [Euro/MWh]	158,09	138,90	-12,1%



As for production, Romania faced challenges, particularly in renewables. Wind and solar output **lagged behind expectations**. The restart of nuclear plants in Bulgaria and Slovenia, along with Central Europe's strong wind generation, stabilized the region's energy needs.

Hourly Generation



During the peak hour on Tuesday, when Romania's highest hourly price of the week reached its highest value of €469,41/MWh, **over 30%** of the country's electricity demand was met through imports.

This wasn't an isolated event - neighboring countries like Bulgaria, Greece, and Austria also recorded their hourly price peaks during the same timeframe.



European Day Ahead Market Prices



Europe's energy markets had a mixed week, with a clear divide across regions. Up north, the Nordics kept prices impressively low, staying **under €50/MWh**. The Iberian Peninsula went the other way - it experienced significant price increases, **exceeding €120/MWh**.

Romania, Bulgaria, and Hungary had their prices ease significantly but still held their place among Europe's most expensive coupled markets. In non-coupled markets, Serbia and North Macedonia dominated with even higher prices.



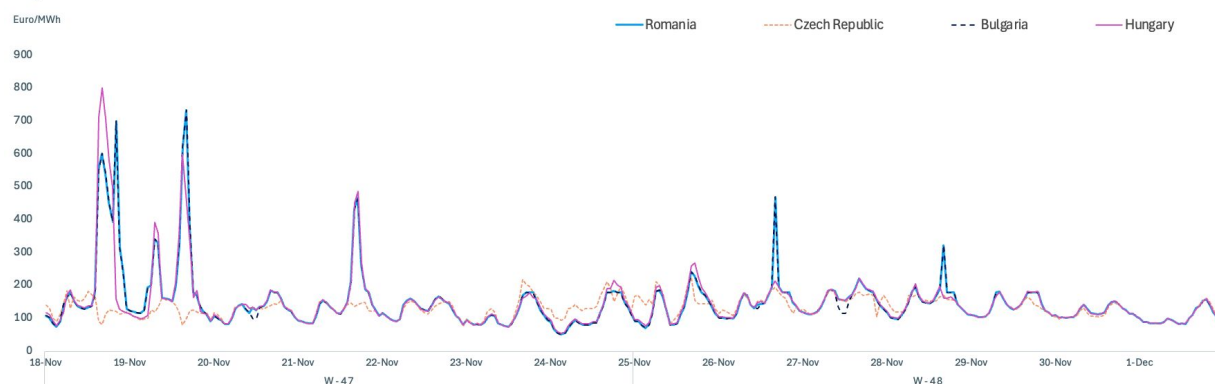
European Energy Context

DAM PRICES

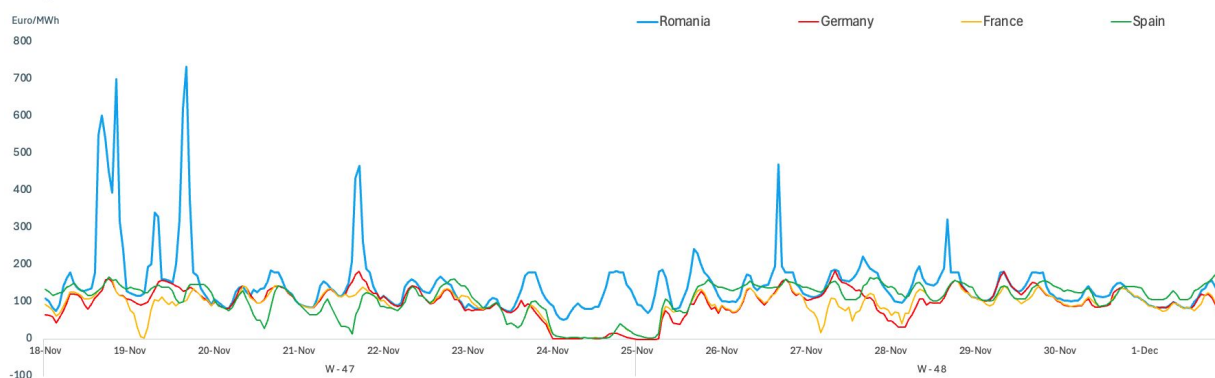
CET Hours

	Week 47 [Euro/MWh]	Week 48 [Euro/MWh]	Variation %
Romania	158,07	138,74	-12,2%
Bulgaria	157,73	137,98	-12,5%
Hungary	157,07	137,92	-12,2%
Czech Republic	127,40	136,14	6,9%
Germany	94,03	101,84	8,3%
France	88,47	97,71	10,4%
Spain	93,14	124,47	33,6%

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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