



CENY ENERGIÍ OČIMA STATISTIKY

ENERGY PRICES THROUGH STATISTICS

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Energy prices in statistics

- Consumer price index (CPI/HICP)
 - Price development only, no average prices
 - Monthly statistics
 - Reflecting actual (realized) prices and fixed-term contracts
 - Main suppliers
 - No breakdown
- Average prices on electricity and natural gas
 - Reference period: semester
 - Average prices
 - Detailed breakdown
 - A substantial change in methodology in 2023

Average prices of energy

- No considerable difference between realized prices and offered prices before the energy crisis
 - An offered price was a proxy of a realized price
 - No burden on respondents
- Offered and realized prices started to diverge in 2021
 - A need to expand our publication
 - Average prices in both concepts are published since September 2023
 - International comparison is based on realized prices ➡ realized price are submitted to Eurostat (reference period 2022 onwards)

Original methodology

Originally used for data with a reference period up to the end of 2022.

The calculation was carried out by the CZSO until 2021, since 2022 the calculation was taken over by the Energy Regulatory Office.

- Total price composed from regulated and unregulated component
- Top 10 energy suppliers;
- Prices are collected from the currently offered – acquisitioned prices;
- Combination of fixed and non-fixed contracts;
- In the second half of 2022, saving tariff is taken into account;
- Zero administrative burden for the respondents;

New methodology

Introduced in 2023; special price survey with cooperation of the major suppliers.
The calculation is carried out by the CZSO.

- 7 major gas and electricity suppliers for households;
- Collected data from sales (CZK) and sales in physical units (MWh);
- Collected data are divided into standardized consumption bands determined by Eurostat (the data are provided by the respondents);
- The final **unit price** for the band is the ratio of sales (CZK) and physical units (MWh);
- There is a separate calculation of the total price and the price of the power part (commodity, „power“ component);
- Actually paid real prices are collected (average for the consumption band);

The price of electricity according to the new methodology

Total electricity prices by individual bands for households

						WITH A SAVING TARIFF	
		H1 2021	H2 2021	H1 2022	H2 2022	H2 2022	H1 2023
Consumption band	Annual consumption (MWh)	Average total price of electricity in CZK/MWh including VAT and other taxes and fees					
DA	to 0.999	8 718	9 295	10 525	11 131	-1 583	13 162
DB	1 – 2.499	5 855	6 202	7 156	7 653	2 354	8 885
DC	2.5 – 4.999	4 847	5 255	6 027	6 488	4 214	7 607
DD	5 – 14.999	3 799	4 271	4 883	5 273	4 709	6 268
DE	15 and more	3 220	3 694	4 247	4 667	4 641	5 602
Total		4 497	4 973	5 670	6 201	3 815	7 244

Note: H1 and H2 indicate the 1st and 2nd half of the year.

The price of natural gas according to the new methodology

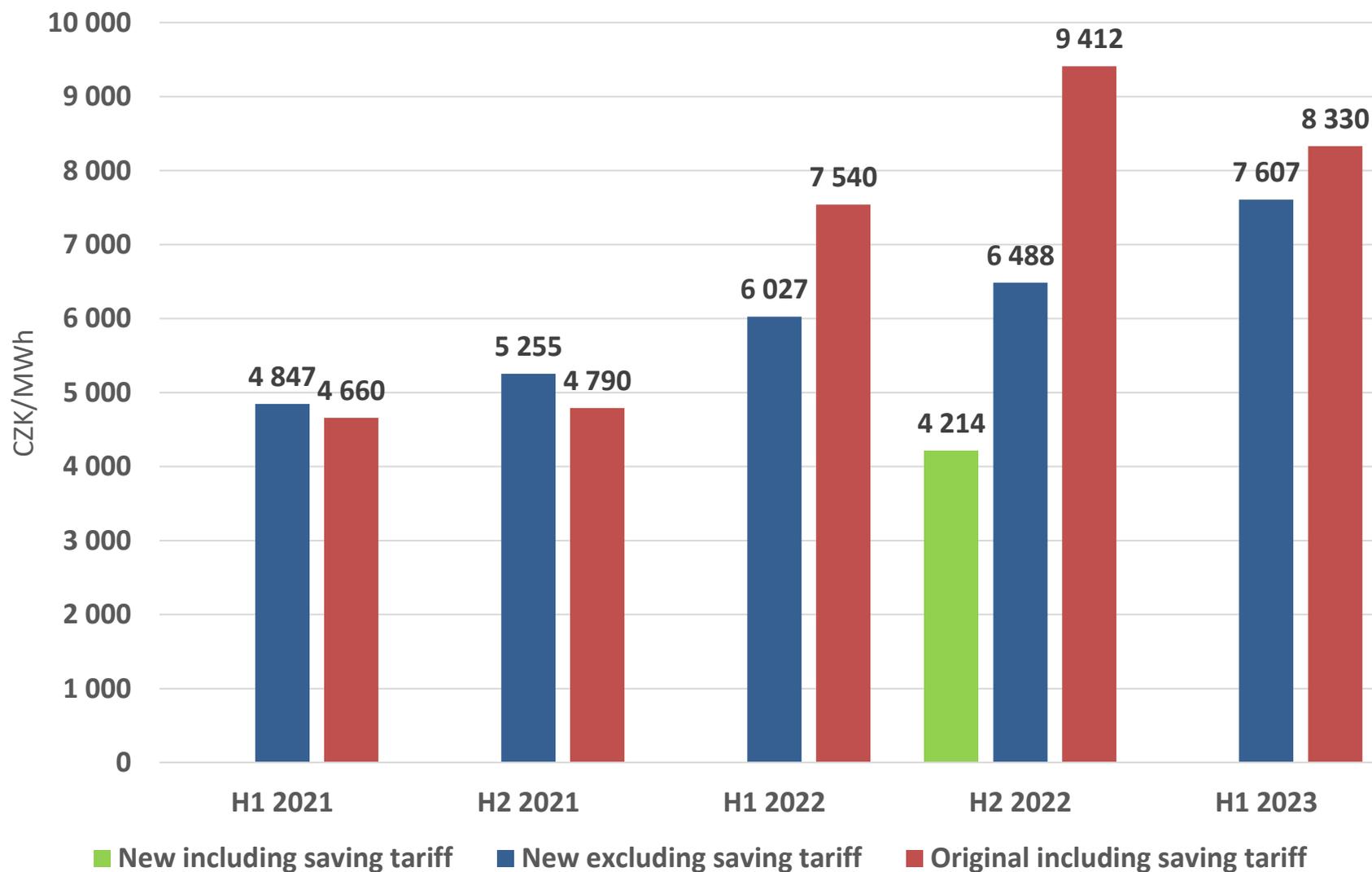
Total prices of natural gas by individual bands for households

		H1 2021	H2 2021	H1 2022	H2 2022	H1 2023
Consumption band	Annual consumption (GJ)	The average price of natural gas in total in CZK/MWh including VAT and other fees				
D1	to 19.99	2 440	2 677	3 022	3 791	3 605
D2	20 – 199.99	1 337	1 499	1 716	2 610	2 696
D3	200 and more	1 140	1 285	1 510	2 421	2 542
Total		1 399	1 581	1 803	2 723	2 776

Note: H1 and H2 indicate the 1st and 2nd half of the year.

Comparison of the half-year average electricity tariff prices

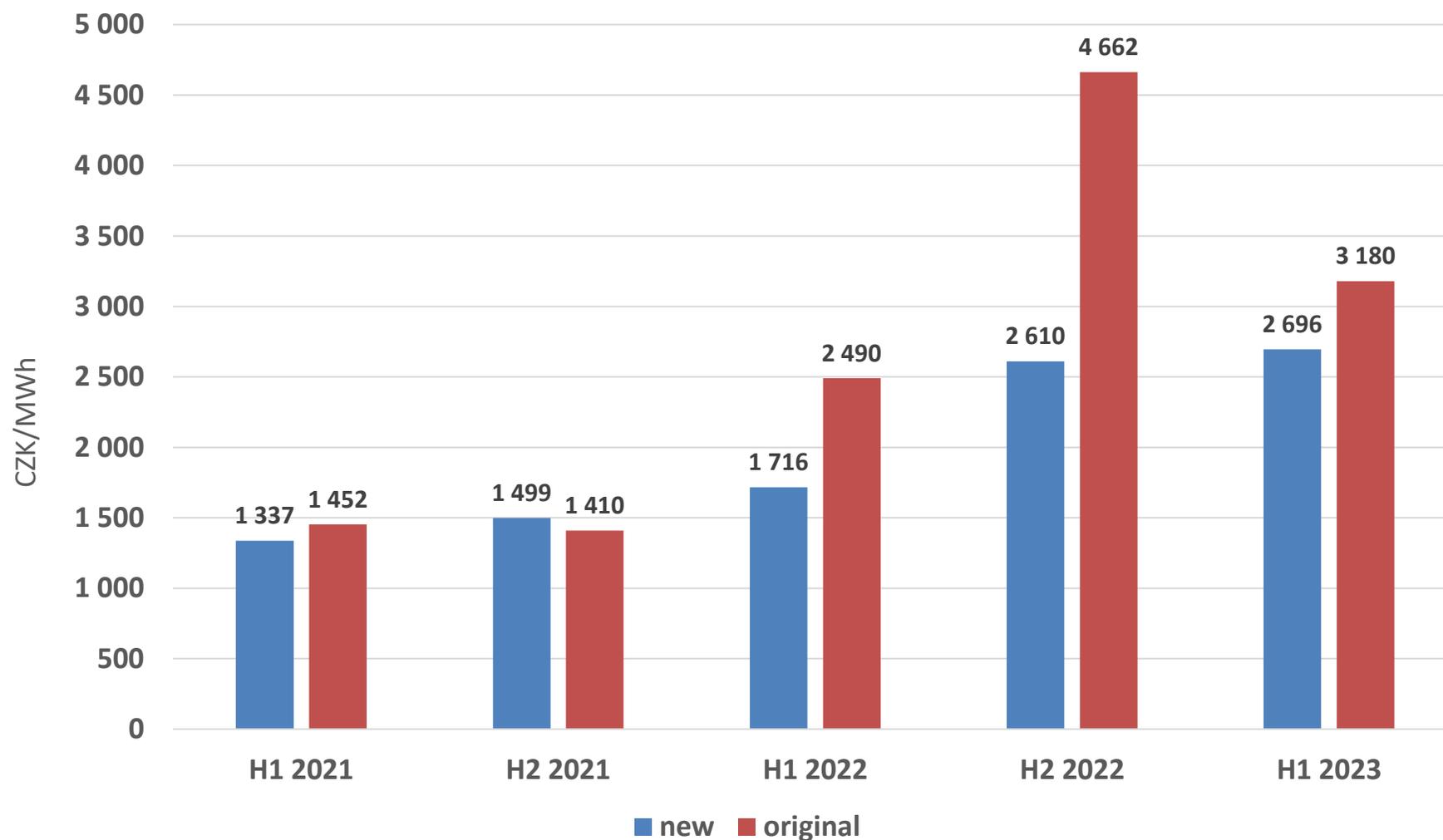
DC band in the original and in the new methodology (CZK/MWh)



Note: H1 and H2 indicate the 1st and 2nd half of the year.

Comparison of the half-year average tariff prices of natural gas

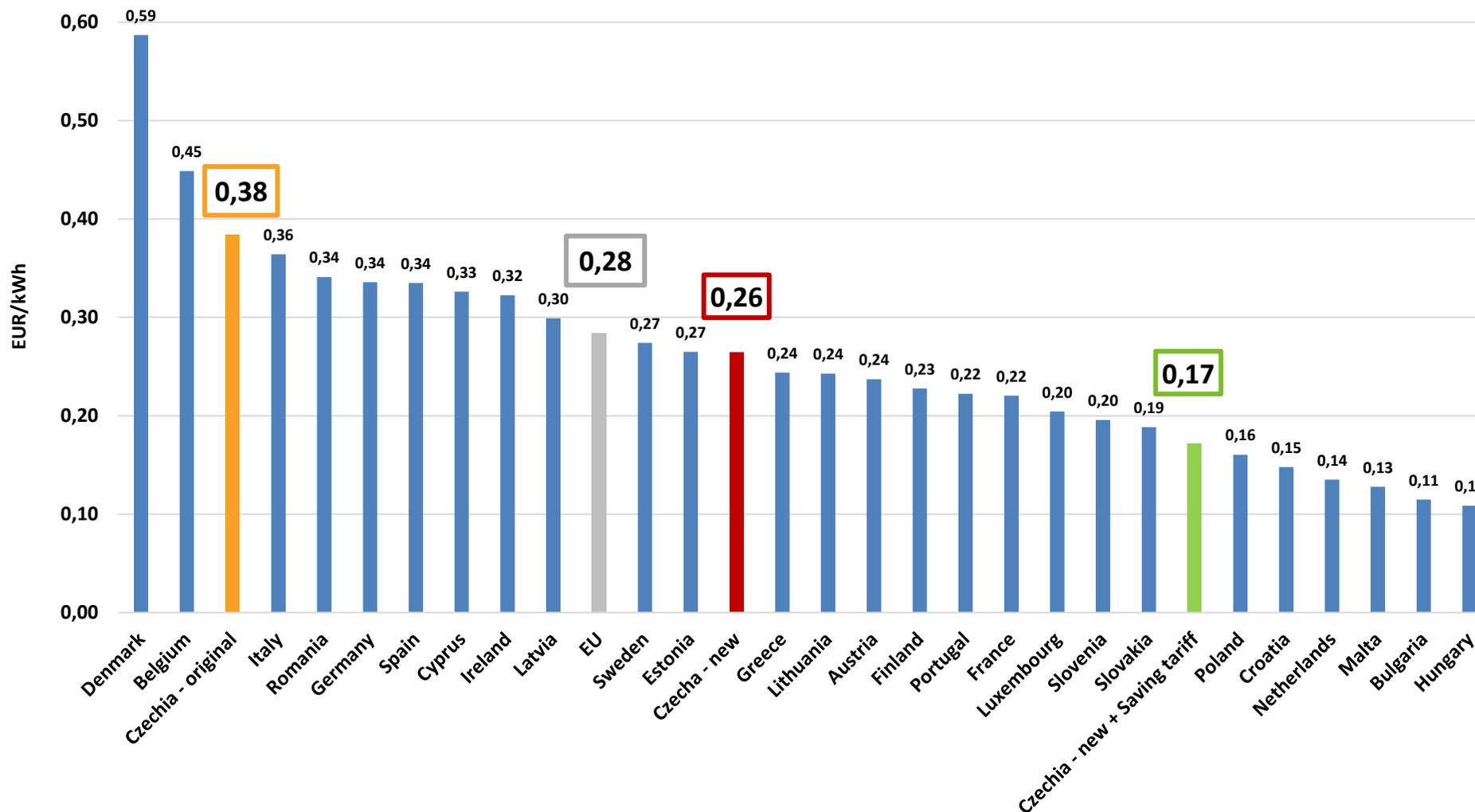
D2 band in the original and in the new methodology (CZK/MWh)



Note: H1 and H2 indicate the 1st and 2nd half of the year.

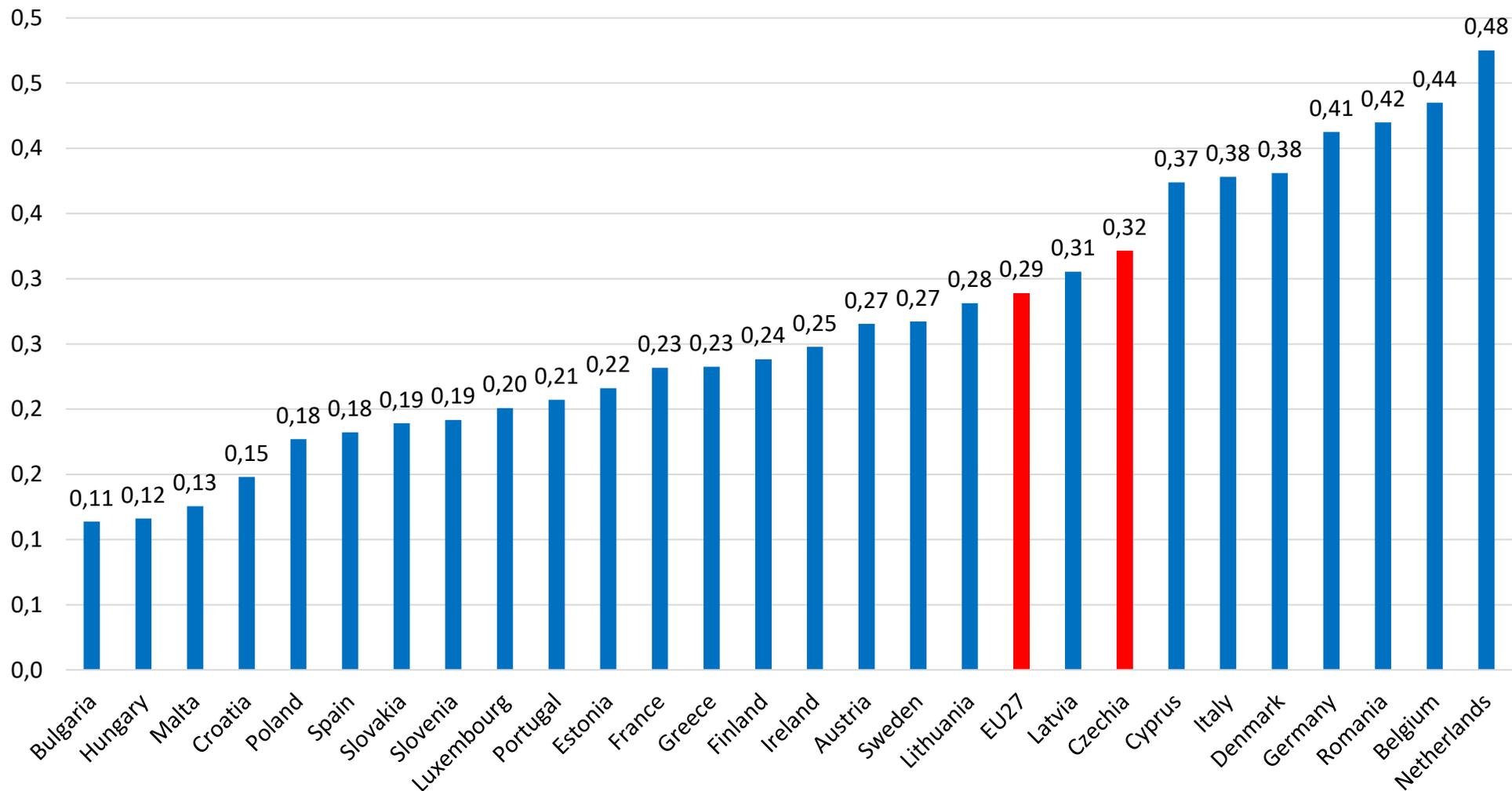
International comparison of average electricity prices

DC band H2 2022 in the original and in the new methodology;
including/excluding Saving tariff (EUR/kWh)



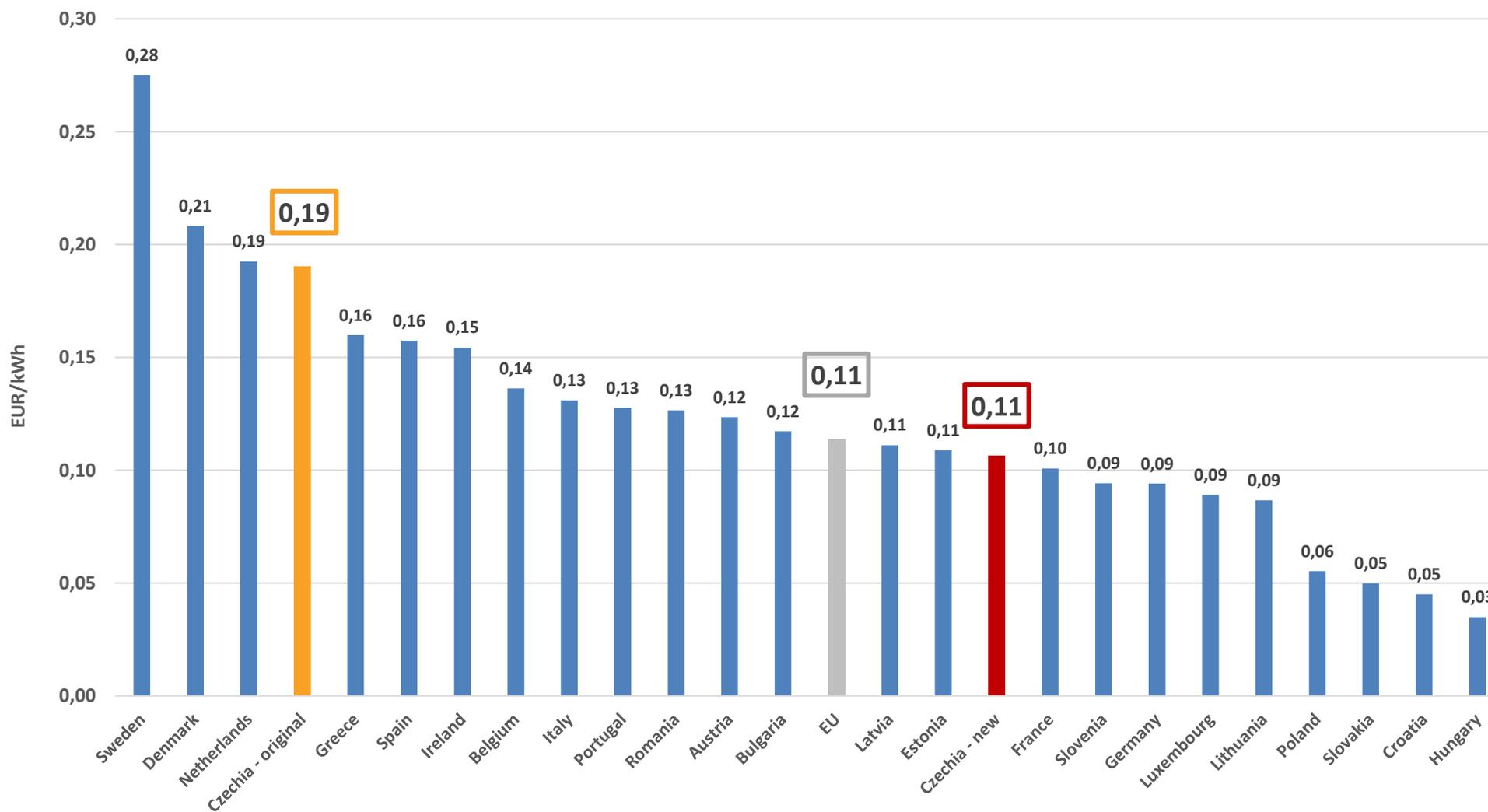
International comparison of average electricity prices

DC band H1 2023 (EUR/kWh)



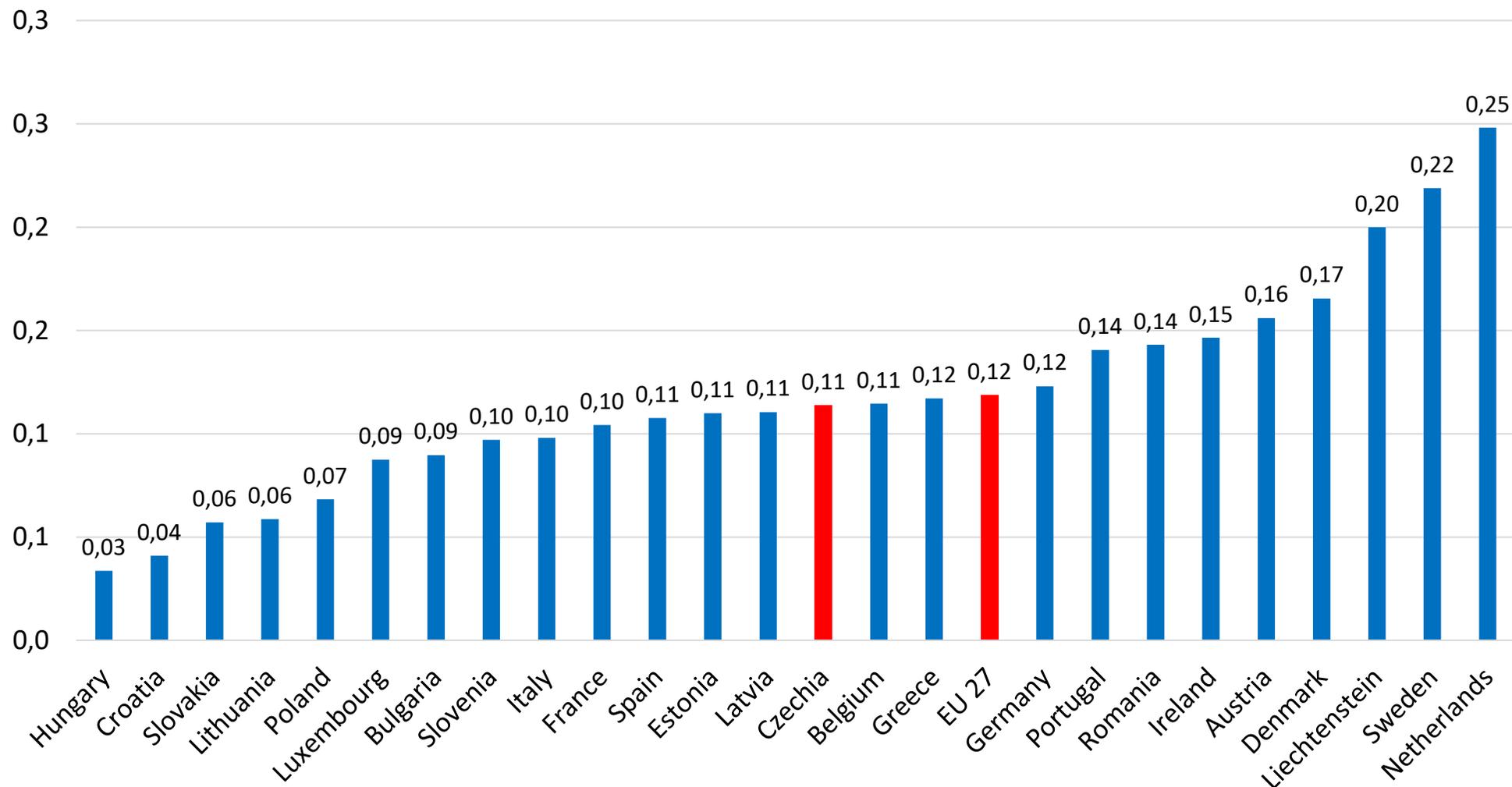
International comparison of average natural gas prices

D2 band H2 2022 in the original and in the new methodology (EUR/kWh)



International comparison of average natural gas prices

D2 band H1 2023 (EUR/kWh)





**Thank you for your
attention**