

ERAA 2023 proposal of commodity prices for call for evidence

 Interpolated values

Fuel	Unit	Source	Assumptions	2023	2025	2028	2030*	2033	2040	2050
Nuclear	2021 €/GJ	ENTSO-E TYNDP 2022 (same as ERAA 2022)	Constant over the horizon.		0.47	0.47	0.47	0.47		
Lignite G1 (BG - MK - CZ)	2021 €/GJ	Booze&co (same as ERAA 2022)	Constant over the horizon.		1.4	1.4	1.4	1.4		
Lignite G2 (SK - DE - RS - PL - ME - UKNI - BA - IE)	2021 €/GJ	Booze&co (same as ERAA 2022)	Constant over the horizon.		1.8	1.8	1.8	1.8		
Lignite G3 (SL - RO - HU)	2021 €/GJ	Booze&co (same as ERAA 2022)	Constant over the horizon.		2.4	2.4	2.4	2.4		
Lignite G4 (GR - TR)	2021 €/GJ	Booze&co (same as ERAA 2022)	Constant over the horizon.		3.1	3.1	3.1	3.1		
Hard coal	2021 €/GJ	Bloomberg (2023); IEA WEO 2022 (APS) ² (2030, 2050)	Interpolation between 2023 – 2030 and 2030 – 2050.	4.0 ¹	3.4	2.4	1.8	1.7		1.5
Natural Gas	2021 €/GJ	Bloomberg (2023); IEA WEO 2022 (APS) (2030, 2050)	Interpolation between 2023 – 2030 and 2030 – 2050.	15.0 ¹	12.5	8.8	6.3	6.1		5.0
Biomethane	2021 €/GJ	Danish Technology catalogue	Interpolation between 2030 and 2050 values.				18.2	18		16.9
Gas Blend	2021 €/GJ	EC Data	100% NG until 2028; 14% Biometh. in 2030; 35% Biometh. in 2040. 2033 interpolated. ³	15.0	12.5	8.8	7.9	8.7		
Crude oil	2021 €/GJ	Bloomberg (2023); IEA WEO 2022 (APS) (2030, 2050)	Interpolation between 2023 – 2030 and 2030 – 2050.	10.8 ¹	10.3	9.6	9.2	9.1		8.6
Light oil	2021 €/GJ	Crude oil price (+28%)	Interpolation between 2023 – 2030 and 2030 – 2050.	13.8	13.2	12.3	11.7	11.6		11.0
Heavy oil	2021 €/GJ	Crude oil price (+5%)	Interpolation between 2023 – 2030 and 2030 – 2050.	11.3	10.8	10.1	9.6	9.5		9.0
Shale oil	2021 €/GJ	ENTSO-E TYNDP 2022 (same as ERAA 2022)	Interpolation between 2025 - 2030 and 2030 - 2040.		1.56	1.74	1.86	2.12	2.71	3.93
CO2 price	2021 €/ton	Bloomberg (2023); IEA WEO 2022 (APS) (2030, 2050)	Interpolation between 2023 – 2030 and 2030 – 2040.	78 ¹	88	103	113	123	147	168

* Aligned with current TYNDP estimates for 2030.

1: Average price of January and February 2023; 0.905 discount factor applied to convert to 2021 €.

2: APS stands for Announced Pledges Scenario from IEA.

3: Average shares of biomethane as per FF55 and Repower EU data shared by EC.