

Individual types of primary electricity sources had the following shares in 2022:

ZSE energia, a.s. energy mix

The ZSE Energia, a.s. energy mix is the structure of individual electricity sources and their shares on the overall volume supplied by ZSE Energia, a.s. They also include guarantees of electricity origin from renewable energy sources used by ZSE Energia, a.s.

CO₂e emissions of ZSE Energia, a.s. were **153.48 g CO₂e/kWh** in 2022.

Source	ZSEE energy mix
Biomass	3.23%
Solar	5.28%
Wind	1.56%
Hydro	18.84%
Geothermal	0.0%
Other renewables	0.34%
Pit coal	2.57%
Lignite	2.93%
Gas	8.11%
Oil products	1.49%
Other fossil fuels	1.77%
Nuclear sources total	53.87%

Residual mix (source: www.okte.sk)

The residual energy mix is the structure of sources of supplied electricity to customers in Slovakia, who do not require guarantees of electricity origin from renewable energy sources.

CO₂e emissions of ZSE Energia, a.s. from the residual energy mix were **185.60 g CO₂e/kWh** in 2022

Source	ZSEE energy mix
Biomass	3.80%
Solar	2.99%
Wind	0.03%
Hydro	2.03%
Geothermal	0.00%
Other renewables	0.43%
Pit coal	3.30%
Lignite	3.76%
Gas	10.40%
Oil products	1.91%
Other fossil fuels	2.27%
Nuclear sources total	69.06%

Energy mix Green Electricity – households

The ZSE Energia, a.s. Green Electricity – households is the structure of sources of electricity supplied to ZSE Energia, a.s. customers (natural persons), who use guarantees of electricity origin from renewable energy sources.

CO₂e emissions of Green Electricity – household customers were **28.8 g CO₂e/kWh** in 2022.*

* Some renewable energy sources (such as biomass or hydro) generate very low CO₂e emissions during electricity generation.

Source	ZSEE energy mix
Biomass	4.67%
Solar	29.76%
Wind	5.36%
Hydro	60.21%

Energy mix Green Electricity – businesses

The ZSE Energia, a.s. Green Electricity – businesses is the structure of sources of electricity supplied to ZSE Energia, a.s. customers (legal entities), who use guarantees of electricity origin from renewable energy sources.

CO₂e emissions of Green Electricity – business customers were **10.8 g CO₂e/kWh** in 2022.*

* Some renewable energy sources (such as biomass or hydro) generate very low CO₂e emissions during electricity generation.

Source	ZSEE energy mix
Biomass	0.01%
Solar	7.64%
Wind	7.53%
Hydro	84.83%

Volume of radioactive waste

from electricity generation from the overall ZSE Energia, a.s. energy mix for the previous year 2022 was as follows:

Volume of radioactive waste

Residual energy mix	7.9 t
ZSE energia, a.s. energy mix	7.9 t