

**Individual types of primary electricity sources had the following shares in 2023:**

#### **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.

CO<sub>2</sub>e emissions of ZSE Energia, a.s. were **286,23 g CO<sub>2</sub> e/kWh** in 2023.

Source	ZSEE energy mix
Biomass	2,16 %
Solar	7,60 %
Wind	2,64 %
Hydro	12,89 %
Geothermal	0,00 %
Other renewables	0,04 %
Pit coal	14,78 %
Lignite	2,21 %
Gas	16,49 %
Oil products	1,52 %
Other fossil fuels	3,07 %
Nuclear sources total	36,60 %

#### **Production mix** (source: [www.okte.sk](http://www.okte.sk))

The production 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.

CO<sub>2</sub>e emissions of ZSE Energia, a.s. from the production energy mix were **123,04 g CO<sub>2</sub>/kWh** in 2023.

Source	National (production) energy mix
Biomass	3,36 %
Solar	2,21 %
Wind	0,01 %
Hydro	17,09 %
Geothermal	0,00 %
Other renewables	0,32 %
Pit coal	1,42 %
Lignite	2,55 %
Gas	8,12 %
Oil products	1,10 %
Other fossil fuels	1,85 %
Nuclear sources total	61,98 %

#### **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.

CO<sub>2</sub>e emissions of Green Electricity – household customers were **34,96 g CO<sub>2</sub>e/kWh** in 2023.\*

*\* Some renewable energy sources (such as biomass or hydro) generate very low CO<sub>2</sub>e emissions during electricity generation.*

Source	ZSEE green electricity energy mix (households)
Biomass	0,02 %
Solar	37,79 %
Wind	7,88 %
Hydro	54,31 %

### 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.

CO<sub>2</sub>e emissions of Green Electricity – business customers were **24,98 g CO<sub>2</sub>e/kWh** in 2023.\*

*\* Some renewable energy sources (such as biomass or hydro) generate very low CO<sub>2</sub>e emissions during electricity generation.*

Source	ZSEE green electricity energy mix (businesses)
Biomass	0.00 %
Solar	24,14 %
Wind	13,97 %
Hydro	61,88 %

**Volume of radioactive waste** from electricity generation from the overall ZSE Energia, a.s. energy mix for the previous year 2023 was 3,98 t.