

Ljubljana solar energy market

Total primary energy supply (TPES) in Slovenia was 6.80 Mtoe in 2019. In the same year, electricity production was 16.1 TWh; consumption was 14.9 TWh;

CO2 emissions: 12.48 million tons

The transportation and industrial sectors were the largest consumers of energy in Slovenia in 2019;

Slovenia is a net energy importer, importing all its petroleum products (mainly for the transport sector) and natural gas, as well as some coal.

Slovenia has a target of reducing greenhouse gases by 18% in 2030 when compared to 2015.

Lignite deposits are found in the north central and northeastern regions of Slovenia; the country does not have any identified hard coal reserves. There is one active lignite mine in Slovenia, near Velenje in the north central region of the country. The mine produced 3.2 million tonnes of lignite in 2018 for combustion in the neighboring Šoštanj Power Plant. The mine is Slovenia's only producing fossil fuel facility. The power plant has an expected closure date of 2033 nonetheless the government hopes to close the plant between 2024 and 2029.

Some coal is imported for district heating and electrical power generation use at the Ljubljana Power Station.

Slovenia has essentially no natural gas or petroleum reserves or production;

The possibility of a gas pipeline with Hungary has been proposed for years, a pipeline exists to the border with Hungary, but as of 2023 it has not been connected to Hungary;

Slovenia has a gas interconnector project with Croatia and will be increasing the capacity by 5 bcm/y by 2027;

Renewable energy includes wind, solar, biomass and geothermal energy sources.

Per analysis published by the World Bank which considers natural features of a location such as altitude, humidity, cloud cover, and topography, Slovenia's solar PV potential is relatively low compared to global resources, but is comparable to that of other central and eastern European countries which lie north of the Alps. The sunny coastal strip along the Adriatic Sea has better potential than the inland areas, similar to that of northern Italy and southern France;



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