

Croatia energy efficiency

In line with the Save Energy Communication, Croatia launched new ...

To deliver on this commitment, the EU has set binding climate and energy targets ...

Croatia supports a wide range of technologies for electricity generation, ...

Energy in Croatia describes energy and electricity production, consumption and import in Croatia.

As of 2023, Croatia imported about 54.54% of the total energy consumed annually: 78.34% of its oil demand, 74.48% of its gas and 100% of its coal needs.

Croatia satisfies its electricity needs largely from hydro and thermal power plants, and partly from the Krško nuclear power plant, which is co-owned by Croatian and Slovenian state-owned power companies. Renewable energies account for approximately 31.33% of Croatia's energy mix.

Hrvatska elektroprivreda (HEP) is the national energy company charged with production, transmission and distribution of electricity.

At the end of 2022, the total available power of power plants on the territory of the Republic of Croatia was 4,946.8 MW, of which 1,534.6 MW in thermal power plants, 2,203.4 MW in hydropower plants, 986.9 MW in wind power plants and 222.0 MW in solar power plants. For the needs of the electric power system of the Republic of Croatia, 348 MW from NPP Krško is also used (ie. 50% of the total available power of the power plant in accordance with the ownership shares).

Croatia has 28 hydropower plants of which 2 are reversible, 2 small size and 1 pumped storage. They are distributed in three production areas: North, West and South with one independent plant, and are HEP's most important source of renewable energy.

Most of Croatian wind energy is produced by companies in private ownership for difference of other types of energy production. Out of 25 wind firms only one is owned by HEP (VE Korlat) while others are mainly owned by private companies or foreign energy corporations.

There are 7 thermal power plants of which 4 are also heating plants and one is combined cycle power plant. Additionally, the first geothermal power plant was opened in 2019, but there are projects and potential for new ones.

Five biopower plants are now located in Croatia and they are also used for heating



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