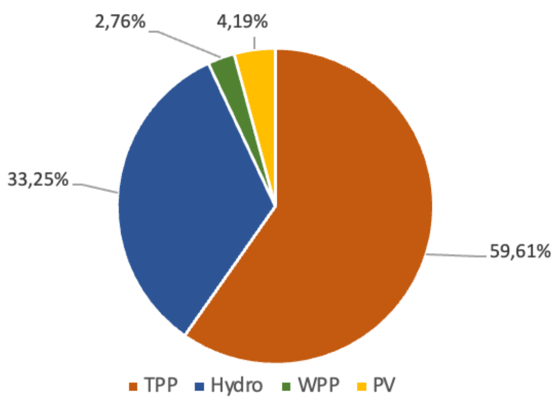
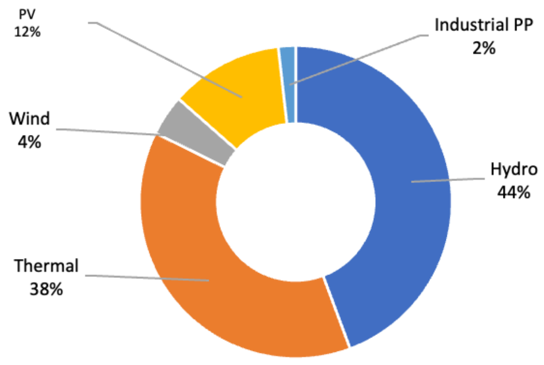
BOSNIA AND HERZEGOVINA'S ENERGY RENEWABLE UP BUT COAL STILL DOMINATE

ENERGY MIX IN BOSNIA AND HERZEGOVINA

In 2024, about 14.5 TWh of electricity was generated in BIH - down 8 % year on year - caused by poor hydrology curbed output from dams. Coal still dominated the mix at roughly 60 % of generation, with hydropower at about 33 %.



Generation mix in BIH (2024)

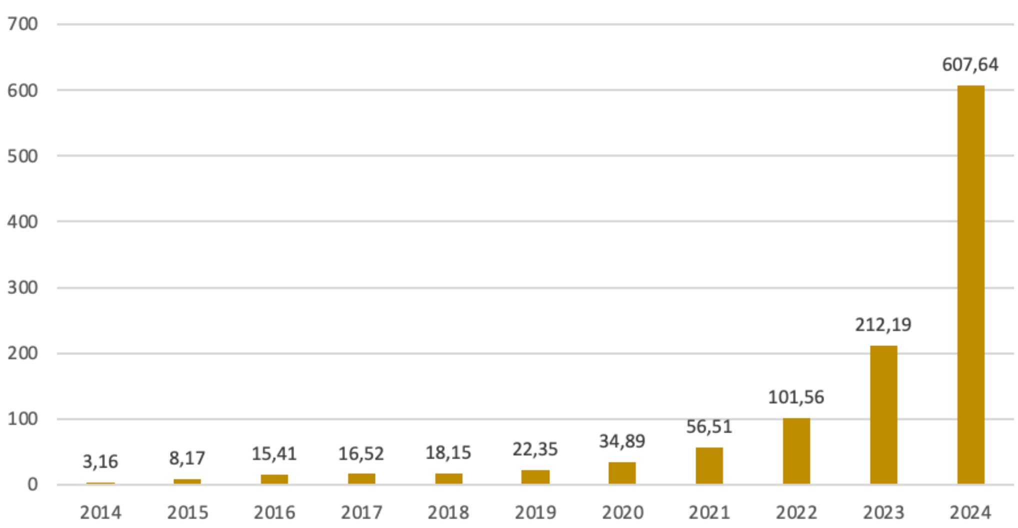


Share of technologies in total installed electricity capacity

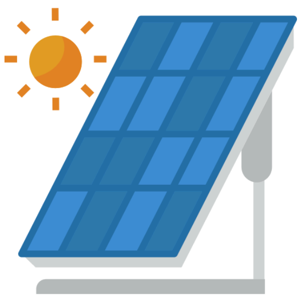
RENEWABLE ENERGY SOURCES

Renewables, beyond hydro - mainly solar and wind - supplied close to 7 % (solar 4 %, wind 3 %). Despite the weaker year, the country remained a power exporter.

SOLAR BOOM



Cumulative installed capacity of solar power plants in BIH



Solar capacity tripled in 2024, reaching 608 MW by year-end, including 235 MW connected to the transmission grid. The recently introduced virtual power plant (VPP) model – allowing small producers to aggregate at least 1 MW across technologies and sell into the wholesale market – has catalysed investment; six VPPs are now registered with the system operator NOS BIH.

WIND DEVELOPMENT

Wind development has been steady, particularly in Herzegovina's favourable corridors. Four wind farms were operating at end-2024 for a combined 218.6 MW. With the 25 MW Wind Park Ivan Sedlo commissioned in early 2025, total wind capacity climbed to 243.6 MW - making it the second largest in the Western Balkans Six countries, after Serbia. The current sites also include Ivovik (84 MW), Jelovača (36 MW), Mesihovina (50.6 MW) and Podveležje (48 MW).

Map of wind power plants in BIH

CONCLUSIONS

Bosnia and Herzegovina stands at a pivotal juncture: renewable deployment, especially solar, is racing ahead, and market rules have developed to accommodate storage and aggregation. To sustain this momentum, the country has to establish and strengthen key market institutions and align regulations with EU standards.
For deeper detail, look at SERC 2024 annual report available on www.derk.ba.

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