

Croatia



**Trilemma Rank**  
# 23

**Trilemma Score**  
76.0

**Balance Grade**  
ABA

Croatia scores highly in all Trilemma dimensions. Areas where it has made continuous progress over the past decade is Environmental Sustainability and Energy Security. There is scope for improvement on security of supply should it succeed in reducing imports and boost storage capacity. The addition of low carbon energy further its Sustainability scores. It has made very little progress, if any, on improving its Energy Equity performance due to high electricity and natural gas prices to consumers. Croatia gets a balance grade of ABA and its global ranking is 23.

**Population**  
4.1 (millions)

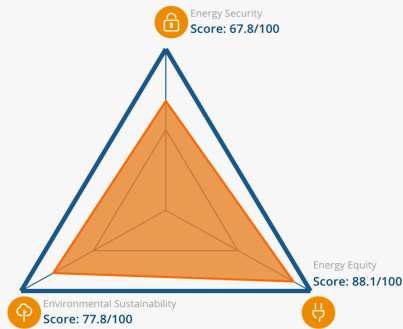
**Land Area**  
56.0 (thousand sq. km)

**GDP Per Capita**  
14,910 (PPP US\$)

**Industrial Sector**  
20.4 (% of GDP)

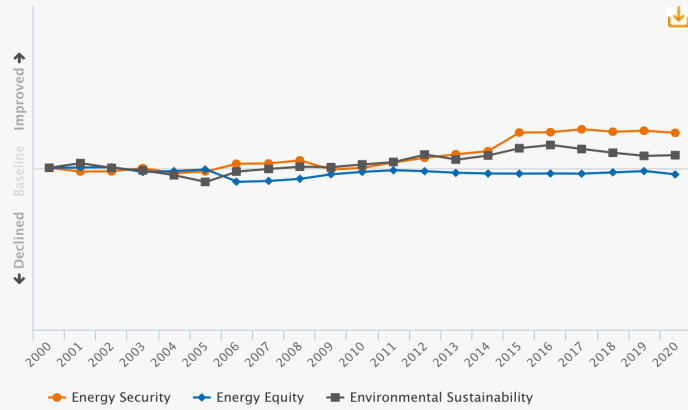
**GDP Growth**  
2.6 (annual %)

**Balance**



**Historical Trilemma Scores**

Trend lines track the country's performance in each dimension, beginning with a baseline of 100 in the year of 2000



**Trends and Outlook**

In preparing its national energy strategy, Croatia took care to harmonise its policies with EU directives. The plan incorporates security of energy supply and a commitment to sustainable energy development, reducing consumption and lowering GHG emissions. It intends to diversify its energy sources and develop strategic projects. These include a floating LNG receiving terminal off the island of Krk and a gas transmission pipeline, a spur line to connect with the Trans-Adriatic Pipeline to deliver gas from Azerbaijan, construction of a new gas storage facility in Grubišno Polje, projects connecting the Croatian gas transmission system with neighbouring countries, biomass cogeneration plants and wind power plants.

Today, Croatia produces an average 50% of its primary energy needs, while the rest is imported. It has gradually increased the share of renewable sources, i.e. wind energy, solar energy, biogas, liquid biofuels and geothermal energy, and energy from hydropower. According to Eurostat, Croatia currently meets 28% of its energy demand from renewable energy sources. As a result, Croatia exceeded the target of attaining a 20% share of energy from renewable sources by 2020 by as much as 40%, which puts Croatia in first place in the European Union. From 2000 to 2018, Croatia improved energy efficiency by 20% for all final energy consumers. All sectors contributed to this positive change, with the largest contribution coming from industry, which showed an improvement of 26% in the energy efficiency index, followed by households (23%) and transport (13%).

Its 2030 energy plan with projections to 2050 targets an increase in the share of renewables to a minimum of 32% by 2030 from 27.3% in 2017 and to 65% by 2050, which the EU has set as the date for attaining carbon neutrality.

The extent to which COVID-19 will impact the energy sector will depend largely on whether Croatia implements a coordinated economic, energy, environmental and social package as part of the recovery effort in a way that is aligned with EU climate goals. Planned energy investments, if delayed, might have an impact on economic growth and diversification efforts, which include developing hydrogen as a clean energy vector and attain self-sufficiency in hydrocarbon production, onshore and offshore.

**Key metrics**

Metrics are determined relative to other countries, with a full bar representing a score of 100.

	2020 Performance	Trend 2010-20
<b>Energy security</b>		
Import dependence	██████████	▲
Diversity of electricity generation	██████████	▲
Energy storage	██████████	▲
<b>Energy equity</b>		
Access to electricity	██████████	▶
Electricity prices	██████████	▼
Gasoline and diesel prices	██████████	▼
<b>Environmental sustainability</b>		
Final energy intensity	██████████	▼
Low carbon electricity generation	██████████	▲
CO2 emissions per capita	██████████	▲
<b>Country context</b>		
Macroeconomic stability	██████████	▲
Effectiveness of government	██████████	▼
Innovation capability	██████████	▲