

Chad



## Trilemma Rank

#126

## Trilemma Score

33.8

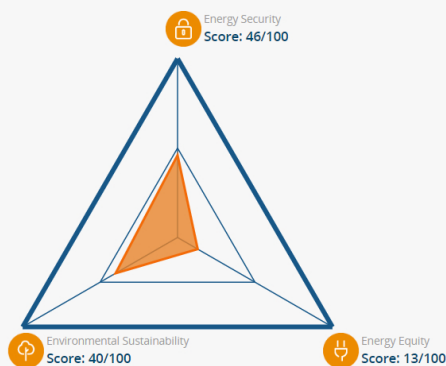
## Balance Grade

DDD

Chad ranks 126th globally, with stronger performance in Security and Sustainability. Equity is lower due to limited access to electricity and clean cooking fuels, but all Equity indicators have improved consistently since the late 2000s. Security performance has shown a marked progress over the same period, driven by reduced import dependence and improved power grid stability, and there is room for improvement in Sustainability, particularly through low carbon power generation and energy efficiency. Chad gets an overall grade of DDD.

**Population**  
14.9 (millions) **Land Area**  
1,259.2 (thousand sq. km) **GDP Per Capita**  
1,945 (PPP US\$) **Industrial Sector**  
14.8 (% of GDP) **GDP Growth**  
-3.0 (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



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## Trends and Outlook

With an electrification rate of about 11%, Chad faces serious energy challenges. However, the agreement to restructure its external debt obtained in February 2018, the country seems to be entering a phase of economic growth, which could benefit the energy sector. In August 2018, energy players agreed on a strategy for the energy sector. By 2030, Chad expects to achieve an electricity access rate of 53% throughout the country and 20% in rural areas. The share of renewable energies should also increase to 20% of the energy mix.

The country's energy strategy includes legislative measures that favour the progressive liberalisation of the sector. Until recently, the National Electricity Company (NEC) had a state monopoly. Since 2018 and the revision of the law on the reform of the electricity sector, Chad now counts with two private operators who produce and sell electricity to the NEC. Private operators can now benefit from licenses to produce, operate and distribute electricity to invest in the country.

Various projects in the fields of renewable energies have just been launched. Among them, there is a 32 MW solar power plant, entirely financed by the African Development Bank and located in the heart of the capital N Djamena. In early 2018, Chad also announced the deployment of an extensive \$ 23 million program, co-financed with the Islamic Development Bank and the Moroccan National Electricity and Water Board, aimed at to provide reliable electricity to rural areas.

## Key metrics

Metrics are determined relative to other countries, with the top performer receiving a full bar.

	2019 Performance	Trend 2010-19
<b>Energy security</b> ⓘ		
Import dependence	<div><div></div></div>	▲
Diversity of electricity generation	<div><div></div></div>	▶
Energy storage	<div><div></div></div>	▲
<b>Energy equity</b> ⓘ		
Access to electricity	<div><div></div></div>	▲
Electricity prices	<div><div></div></div>	▲
Gasoline and diesel prices	<div><div></div></div>	▶
<b>Environmental sustainability</b> ⓘ		
Final energy intensity	<div><div></div></div>	▲
Low carbon electricity generation	<div><div></div></div>	▶
CO2 emissions per capita	<div><div></div></div>	▶
<b>Country context</b> ⓘ		
Macroeconomic stability	<div><div></div></div>	▲
Effectiveness of government	<div><div></div></div>	▲
Innovation capability	<div><div></div></div>	▼