

What percentage of Tunisia's electricity is renewable?

In 2022, only 3% of Tunisia's electricity is generated from renewables, including hydroelectric, solar, and wind energy. While STEG continues to resist private investment in the sector, Parliament's 2015 energy law encourages IPPs in renewable energy technologies.

Does Tunisia rely on gas?

Tunisia mostly relies on gas imports to meet its primary energy needs: almost 97% of its electricity generation came from gas in 2016. However, energy policy puts the emphasis on renewable energy. Electricity generation from wind power strongly increased

Who produces electricity in Tunisia?

State power utility company STEG controls 92.1% of the country's installed power production capacity and produces 83.5% of the electricity. The remainder is imported from Algeria and Libya as well as produced by Tunisia's only independent power producer (IPP) Carthage Power Company (CPC), a 471-MW combined-cycle power plant.

Does Tunisia need electricity?

Tunisia relies on imported natural gas to meet the majority of its growing electricity needs, even though the country has a vast potential to generate renewable energy. Despite limited economic growth over the last decade, peak demand for electricity has continued to grow at a high rate, around 5% per year between 2010 and 2022.

How much power does Tunisia produce?

Tunisia has a current power production capacity of 5,944 megawatts (MW) installed in 25 power plants, which produced 19,520 gigawatt hours in 2022. State power utility company STEG controls 92.1% of the country's installed power production capacity and produces 83.5% of the electricity.

Can Tunisia export green electricity?

Exploiting its renewable energy potential will also allow Tunisia to export green electricity, including green hydrogen, contributing to the GHG emission targets of the Maghreb and Europe.

Revised in November 2024, this map provides a detailed view of the energy sector in Tunisia. The locations of power generation facilities that are ...

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The effect of seasonal energy storage for intermittent wind power is taken into account such that desalination

plants can increase power consumption during cold seasons in which wind power ...

ed their renewable energy potential, such as Tunisia. The objective of this report is to look into the potential of Battery Energy Storage System (BESS) development in Tunisia, in line with ...

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In 2020, natural gas made up 86% of Tunisia's installed capacity and 95% of power generation, while renewable energy made up 13% of installed capacity and 5% of power ...

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Tunisia s energy storage power structure

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