

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.

What are Tunisia's energy projects?

One third of the projects will be for wind farms and two thirds for solar photovoltaics. Tunisia's national grid is connected to those of Algeria and Libya which together helped supply about 12% of Tunisia's power consumption in the first half of 2023.

What is the energy sector in Tunisia?

The sector also offers opportunities for possible Build-Own-Operate (BOO) or Build-Operate-Transfer (BOT) projects. Much of Tunisia's electricity production comes from gas turbines. Major players in this sector include General Electric (USA), Mitsubishi (Japan), Ansaldo (Italy), and Siemens (Germany).

Does Tunisia have natural gas?

In addition to local gas production, Tunisia receives natural gas as a royalty on the Algerian Transmed gas pipeline crossing Tunisia to Italy. In 2022, only 3% of Tunisia's electricity is generated from renewables, including hydroelectric, solar, and wind energy.

Should Tunisia establish an Energy Regulatory Authority?

Tunisia should also prioritize establishing an energy regulatory authority to help enforce performance standards and strengthen the financial viability of the sector and address the governance challenges, political instability, and insufficient government commitments that are impeding private sector engagement. (Learn more about climate finance .)

Can Steg meet peak summer electricity demand in Tunisia?

STEG is hard-pressed to meet peak summer electricity demand, let alone keep up with Tunisia's annual 5% growth in power consumption. Approximately 97% of Tunisia's electricity is generated from fossil fuels, mainly natural gas. Through June 2023, nearly 47% of Tunisia's natural gas needs were met through imports (mainly from Algeria).

Through its work, the Power Tunisia program seeks to contribute to the following high-level objectives planned for Tunisia's energy sector: Increase Renewable Energy Deployment; Reduce CO2 Emissions; Reduce Electricity Consumption; Mobilize External Capital in Clean Energy Investments; Engage and Support Tunisian Firms

The Road Ahead: Tunisia's Energy Future. Looking ahead to 2030, Tunisia's energy transition is both a

challenge and an opportunity. The country's efforts to diversify its energy sources and reduce its carbon footprint align with global sustainability goals and could position Tunisia as a regional leader in renewable energy.

Tunisia has embarked on an impressive path toward renewable energy and energy efficiency. The Government released an update to the Tunisia Solar Plan in 2018-- an ambitious roadmap for their energy sector--which calls for the acceleration of renewable energy projects by 2030.

Tunisia, a North African nation rich in history and culture, is now at a pivotal crossroads in its quest for sustainable energy solutions. The nation's abundant sunlight and a strong commitment to reducing carbon emissions have firmly established solar energy as a linchpin of Tunisia's ongoing energy transition.

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TuNur is developing a series of renewable energy projects that will produce low-cost green electrons and molecules in Tunisia for export. Each export project consists of three components:

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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 national efforts towards a clean and sustainable energy transition as well as ensuring the optimal use of energy sources and improving energy security.

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