

Greece renewable energy growth



Overview

Greece has entered 2025 with a renewable energy sector that is simultaneously thriving and troubled. Installed capacity has climbed to record levels, with solar photovoltaics and wind power providing a growing share of the country's electricity. From 2018 to 2022, solar capacity in the Mediterranean country grew from 2. The government's ambition to make Greece a. 2023 marked a historic milestone in Greece's clean energy production, with 57% of the energy mix being supplied by Renewable Energy Sources (wind and solar) and hydroelectric units, surpassing 25 TWh. The rapid development of Renewable Energy. HAAE is proud to announce the publication of the Greek Energy Market Report 2025, a comprehensive and valuable resource for energy professionals, policymakers, academics, researchers, and companies interested in the Greek energy sector. More than half of the electricity supply, specifically 54%, comes from fossil fuels, with natural gas being the main contributor at about 44%. Coal and oil contribute smaller portions, around 5% and 4%.



Article Content

An impressive growth for Renewable Energy in Greece

Greece has increased the share of renewable energy in the energy mix by 61% between 2014 and 2023, ranking 7th out of 36 European countries in terms of the evolution of the share of

Greece Wind Energy Market 2026-2034 Analysis: Trends, Competitor ...

Key Insights Greece's wind energy market, valued at 340 million in 2025, is projected to reach a significant size by 2032. The sector is experiencing robust growth, driven by Greece's

CATL expects energy storage to become half of total business by 2030

Battery maker CATL expects energy storage systems to account for 50 per cent of its total sales by 2030, up from about 25 per cent currently, according to Kevin Tang, the company's Director

HELLENi Q Energy Storage 2026, €341M Greek State Aid

900 MW in Greek BESS auctions (2022-2026), including a €1 billion state aid package, MORE Energy's grid connection, and Principia's 49 MW project. Includes SWOT analysis.

Global overview – Renewables 2024 – Analysis

Global overview Renewable energy consumption Renewable energy consumption in the power, heat and transport sectors increases near 60% over 2024-2030 in our main-case forecast. This increase

Solar growth overtakes gas as power sector shifts towards renewables ...

Stock image for referential purposes only The share of natural gas in global electricity generation fell for the fifth year in a row in 2025, as renewable energy, led by solar power, played a

Greece achieves record renewables output but also curtailments in 2025

Renewable electricity production reached a new high last year in Greece, amidst increased curtailments and a low lignite share. According to official data and the Green Tank's

Masdar to use delisted Terna Energy as platform for

Abu Dhabi Future Energy Company PJSC, better known as Masdar, today announced the official delisting of the recently acquired Greek renewables

Renewables Global Status Report

The Renewables Global Status Report provides an annual overview of the renewable energy markets, investments and policies around the world,

Ameresco, Inc.: Ameresco SUNEL Energy SA Awarded

Advanced Solar Tracking Project to Support Greece's Renewable Energy Goals While Enhancing Energy Security and Efficiency Ameresco, Inc.,

Ameresco Sunel Energy wins 83 MW solar project in northern Greece

The site is in the Western Macedonia province. It is Greece's only remaining coal mining and power hub, undergoing decarbonization and modernization. "Projects like this reflect the growing

Global Renewable Energy Investment Still Reaches

Global investment for new renewable energy development reached a record \$386 billion during the first half of 2025, according to BloombergNEF's 2H

The European Green Deal

The Green Deal invests in innovation, clean technology, and green infrastructure while ensuring a just transition for the communities most affected. Thanks to the European Green Deal, Europeans enjoy

2023 a record year for clean energy in Greece

The initiatives we are taking to this end yield results, as reflected in the recent, highly encouraging data announced by IPTO, indicating a 147% increase in renewable energy production

Greek Energy Market Report 2025 | Powered by National Bank of

From the country's economic and demographic outlook to electricity, natural gas, oil, and renewable energy markets, the report provides a detailed examination of sectoral trends and investment

Renewable energy in Greece

Renewable energy in Greece accounted for 29 percent of its electricity from renewable sources in 2021. By 2030, renewables are expected to have a capacity of 28 GW, and exceed 61 percent of Greece's

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India Energy Outlook 2021 – Analysis

India Energy Outlook 2021 explores the opportunities and challenges ahead for India as it seeks to ensure reliable, affordable and sustainable energy to a growing population. The report examines

Greece Electricity Generation Mix 2025 | Low-Carbon

Greece's past success with solar and the recent accelerated growth in wind present promising avenues for a clean energy future, complementing the potential

Greece faces rising renewables curtailment, driving solar-plus-storage

In 2024, Greece curtailed only 900 GWh of renewable energy. Renewable sources, including large hydro, supplied 56% of Greece's electricity demand in 2025. The country generated

Masdar assumes full ownership of Greek renewables

UAE-based renewables developer Masdar has acquired full ownership of Greek renewables firm Terna Energy SA (ATH:TENERGY) after

Greece's Renewable Energy 2025: Growth Surges Amid Grid and

Greece has entered 2025 with a renewable energy sector that is simultaneously thriving and troubled. Installed capacity has climbed to record levels, with solar photovoltaics and wind power

Share of renewable energy in final energy consumption | Greece

Building on these achievements, Greece has made successive leaps in its energy transition, emerging as a pioneer in the EU. The country exceeded the targets set in its first NECP in

European Electricity Review 2026

The EU's electricity transition reached a new milestone in 2025 with wind and solar generating more power than fossil fuels.

Financial Results for year ended 31 December 2025

Renewables (Greece and internationally) continued its strong growth trajectory, with profitability increasing by approximately 45% year-on-year (following a similar increase in 2024)

Greece installs 2.6 GW of PV capacity in 2024

However, the increase was largely met with natural gas, rather than growing clean energy sources. Renewable energy, excluding large hydro, generated 25,269 GWh of electricity, leading the

PPC secures EUR 175 mln EBRD loan for renewable-energy rollout in ...

It operates primarily in Greece, North Macedonia and Romania, with a growing renewable-energy footprint in Bulgaria, Croatia and Italy. The EBRD is a key investor in Bulgaria, Greece and

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