

Does Cyprus have a good share of renewables in energy supply?

Although lower than the EU average, the share of renewables in total energy supply can be regarded as satisfactory since Cyprus has overachieved the binding 13% national RES target - it attained a 17.0% share according to official statistics.

What percentage of Cyprus' electricity will come from renewables in 2030?

Based on this analysis, between 25% and 40% of Cyprus' electricity supply can come from renewables in 2030, in the economically optimal mix. Solar PV is the predominant renewable energy technology in all scenarios, supplying between 15% and 27% of the electricity consumed in Cyprus in 2030.

How much green energy will Cyprus produce in 2024?

The Transmission System Operator of Cyprus (TSOC) predicts that transmission and distribution grid operators will need to curtail 28% of the nation's annual green energy production in 2024.

Why is REPowerEU not relevant for Cyprus?

The two other main areas of REPowerEU - diversifying energy supply and reduction of fossil fuel use in industry - are less pertinent for Cyprus for the reasons explained below, hence the relevant investments and reforms are included under the areas of energy savings and renewable energy.

Which REPowerEU areas are most relevant for Cyprus?

As a result, a list of potential investments and reforms is provided at the end of Chapter 3.1 for each one of the main REPowerEU areas that are particularly relevant for Cyprus - energy savings, renewable energy deployment, sustainable mobility, and energy interconnections.

How will Cyprus' energy sector develop in the coming decades?

Cyprus, a European Union member state since 2004, is at the crossroads of determining how its energy sector, and particularly the power sector, should develop in the coming decades. The island country currently depends on imported oil to meet most of its growing energy needs.

In the past year, the number of solar panels increased by 16 percent, according to the Electricity Authority of Cyprus (EAC). But Cyprus is still struggling to increase its use of renewable...

In addition to supporting renewable energy deployment in Cyprus, this roadmap can serve as an informative document for other islands and remote regions that are devising strategies for the optimal deployment of ...

Under the targets of the European Union, the Republic of Cyprus was required to increase its total energy consumption from renewable energy sources to 13% by 2020 however, Cyprus has only managed to achieve 13.8% by the end of 2018. Cyprus is now required to increase the number to 23% by 2030.

Accelerated renewable energy deployment Although lower than the EU average, the share of renewables in total energy supply can be regarded as satisfactory since Cyprus has overachieved the binding 13% national RES target - it attained a 17.0% share

In addition to supporting renewable energy deployment in Cyprus, this roadmap can serve as an informative document for other islands and remote regions that are devising strategies for the optimal deployment of renewable energy.

It will assist in determining the optimal penetration of renewable energy for electricity supply and in identifying the technical and economic potential for further increasing electricity production

Cyprus has significant potential to harness green energy at sea - for example, offshore wind energy, meaning through wind power plants at sea, or ocean energy. However, projects using these technologies have not yet been implemented in Cyprus.

The TSOC said that the curtailment of renewable energy in Cyprus is necessary to guarantee the stability of the electricity network, given the strong uptake of solar, the scarcity of installed...

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generation mix, the increasing role that renewable energy will play within it, and the impact of key decisions on energy policy that Cyprus is confronted with making today. I trust this roadmap will prove useful in the country's pursuit of accelerated renewable energy deployment.

