

What is the primary energy supply in Jordan?

illustrates the breakdown of total primary energy supply in Jordan by source. Imported natural gas and oil still account for approximately 76% of the electricity generated. Domestic resources, including renewable and traditional energy sources, represent 22% of the energy supply.

How many solar projects are there in Jordan?

(Abu-Rumman et al. 2020; MEMR 2015). The first round (2012-2015) was focused on the southern region of Ma'an, with a total capacity of 200 MW solar projects and 117 wind farms. The Jordanian government then used the competitive bidding process for the second and third rounds.

How much electricity does Jordan generate?

Imported natural gas and oil still account for approximately 76% of the electricity generated. Domestic resources, including renewable and traditional energy sources, represent 22% of the energy supply. However, the Jordanian government plans to generate 48.5% of electricity using local sources.

Can Jordan improve energy security?

Jordan has significant potential to succeed in scaling up its use of renewables, particularly in electricity generation, which could reduce energy prices for consumers and improve energy security.

How much energy does Jordan generate from biogas?

According to studies (Alnhoud et al. 2021; Al-Hamamre et al. 2017) the biogas produced can generate around 24% of Jordan's primary energy consumed in natural gas form (656 tonnes) in 2012. As such, the Jordanian government planned to implement 40-50 MW of waste-to-energy projects in 2020.

Why is the energy sector a problem in Jordan?

The energy sector poses one of the largest challenges for the Jordanian economy because it directly influences economic growth. The country's high dependence on imported intensive fossil-fuel sources (93% in 2021) has overburdened the national budget.

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Solar energy projects. Jordan has made significant efforts to implement various solar PV projects since 2015. Table 1 lists the most notable installations in the country, including project capacity and geographic location. Most of these initiatives are direct power purchase agreement (PPAs) proposals signed between 2015 and 2018 and shared ...

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Alternative Energy Projects Company Jordan (AEPCo Jordan), a member of Kuwait's KIPCO Group, has joined forces with Jordan-based development, contracting, and investment firm Green Sources Investments (GSI) to establish a collaborative initiative named Green Sources Investment for Alternative Energy Projects (GSIAEP).

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Minister of Energy and Mineral Resources, Dr. Saleh Kharabsheh, announced today that the Jordanian Cabinet has decided to overturn its 2019 ban on new approvals for large-scale electric power projects using the transit method or net metering for projects exceeding 1 ...

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