

Will Iraq introduce solar energy?

ERBIL, Kurdistan Region - Iraq's Prime Minister Mohammed Shia' al-Sudani on Thursday approved plans to introduce solar energy systems into Iraqi households, in a bid to ease the load on the national electricity grid and combat electricity shortages.

Will Iraq reach 10GW of solar by 2030?

Iraq is aiming to reach 10GW of installed solar by 2030. Image: IRENA. French energy company TotalEnergies has revived its deal with the Iraqi Government to develop a 1GW solar PV project in the Basra region, part of a larger US\$10 billion accord to also establish new gas generation and seawater treatment facilities.

Is Najaf a good place for solar energy in Iraq?

Characterized by long, hot and clear summers, Najaf, Iraq's holy city, seems like the ideal place to realize the potential for solar energy in Iraq. Which is why in 2016, Najaf was selected as one of three sites to pilot rooftop solar photovoltaic (PV) systems, testing their potential for application across the sunny nation.

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Iraq's solar plans announced in November 2021 call for the addition of 12 gigawatts of solar capacity by 2030. Some 7.5 gigawatts of the planned solar capacity are to come from utility-scale solar plants, and Iraq has reached agreements with developers - at varying stages - for projects that will add 4.5 gigawatts of the total.

Once completed the plant will be capable of supplying up to 1.25 gigawatts (peak) of solar-generated power to the electricity grid in the Basra region of Iraq. The project will be developed in phases that will come online between 2025 and 2027 and will have the capacity to provide electricity to about 350,000 homes in the Basra region.

To encourage renewable energy, Iraq's Central Bank in 2022 announced the allocation of \$750 million in almost zero-interest loans for individuals and private companies adopting solar power. But the initiative is 'stalling due to a lack of cooperation from banks', according to Mohamed al-Duleimi, an expert in renewable energies.

A one-gigawatt solar power plant will be constructed in Iraq by French energy giant TotalEnergies as part of



Soul solar Iraq

an agreement for an integrated project that would require a \$27 billion investment spread over 30 years.

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Abu Dhabi-based renewables developer Masdar has begun work on a project for the deployment of 1 GW of solar capacity in four governorates in Iraq, the country's Ministry of Electricity said on Sunday.

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