

# **Palestine wind solar and energy storage integrated project**





## Overview

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How is the electricity system in Palestine different from other countries?

And upgrade of the electricity grid to enable distribution of renewable energy, by 2030 . The electrical energy system in Palestine state is different from any other country, because Palestine imports its energy from three different sources; from Israel (85 %), Jordan (2 %) and Egypt (3 %).

Can a new pilot model transform energy challenges in Palestine?

UNDP is suggesting a new pilot model for future testing, scaling up, and replication in order to transform energy challenges in the State of Palestine into promising opportunities. An overarching proposal is to encourage Local Governance Units (LGUs), especially in villages and towns, to invest in solar energy with medium-scale photovoltaic farms.

Can wind energy be used to generate electricity in Palestine?

When Hasan first looked into the possibility of using wind energy to generate electricity in Palestine in 1991, he came to the conclusion that areas with an elevation of 850 meters or more, including Ramallah and Jerusalem, have excellent energy potential . In some areas of the WB, wind energy may be produced at 0.07 \$/kWh .

What is Palestine's energy strategy?

Palestine's approach is to priorities high-emitting sectors such as, power generation (62 %), transport (15 %), and waste (23 %). The National Adaptation Plan is as: increase the share of renewable energy in electrical energy mix by 20-33 % by 2040, primarily from solar PV. Improve energy efficiency by 20 % across all sectors by 2030.



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