

# **Afghanistan Energy Storage and New Energy**





## Overview

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What are the opportunities for the energy sector in Afghanistan?

The opportunities for the energy sector are summarized in the following key four categories: Sufficient Renewable Energies: There is significant renewable energy production potential in Afghanistan such as hydropower, solar, and wind energies. Non-Renewable Energies: Fossil fuel such as natural gas, oil and coal resources.

What is the energy potential of Afghanistan?

The resources are sufficient to fundamentally change the country energy, economy and security situation (Risen, 2010). Hydroelectric power potential of Afghanistan is estimated in excess of 23,000 MW 1 along with excessive solar and wind energy potential (DABS, 2011).

Does Afghanistan have enough energy resources to meet its electricity demand?

Based on the discussed evidence Afghanistan has sufficient energy resources to meet its electricity demand. Only the renewable energy resources utilization is sufficient to fulfill the current and midterm future demand.

Is Afghanistan investing too much on energy?

Based on this research analysis it has highlighted that at the moment Afghanistan is investing far too much on import energy from neighboring countries and far too less on utilization and development of its own energy natural resources such as renewables, gas and hydropower energy generation.

How much will Afghanistan spend on energy development in 2032?

Based on Afghanistan 2012-2032 energy sector master plan, USD 7330 to 10,096 million are estimated for generation and network integration development, USD 1727 million for main transmission networks, and 1040



million for internal provincial network development until 2032 (Fichtner, 2013).

Is Afghanistan energy sector capacity building and institutional reform necessary?

Afghanistan energy sector capacity building and institutional reform is a major requirement in order to tackle the mentioned obstacles. As currently the weak governance and abrasive corruption is hurting the progress badly. As shown in Table 10, the Afghanistan energy master plan suggests more than \$ 10 billion investment opportunities until 2032.



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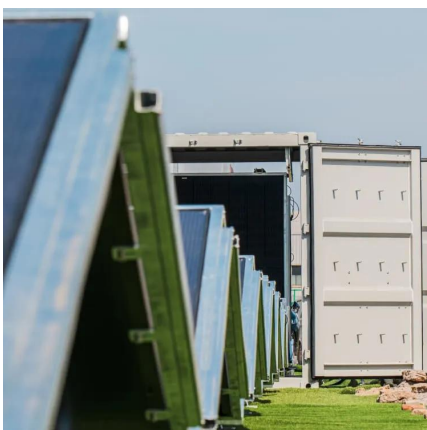
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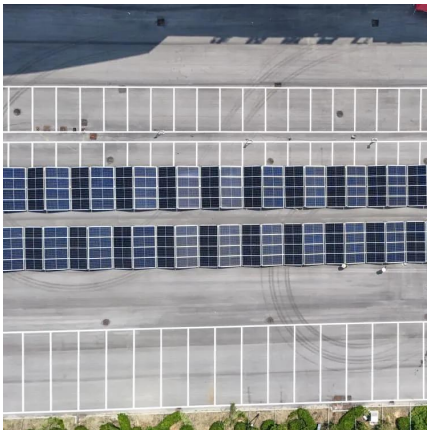
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to the sustainable meeting of energy demands.  
...



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