

## ContainerPower Energy Solutions

# 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 <sup>1</sup> along with excessive solar and wind energy potential (DABS, 2011).

What are the energy resources in Afghanistan?

Based on above Table 7, Afghanistan excellent and good level energy resources are 185,100 MW which incorporate 31,611 km<sup>2</sup> land. This indicates significant potential and a promising sign for Afghanistan renewable energy future utilization. 4.3.6. Non-renewable energy resources (hydrocarbons reserves).

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.

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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