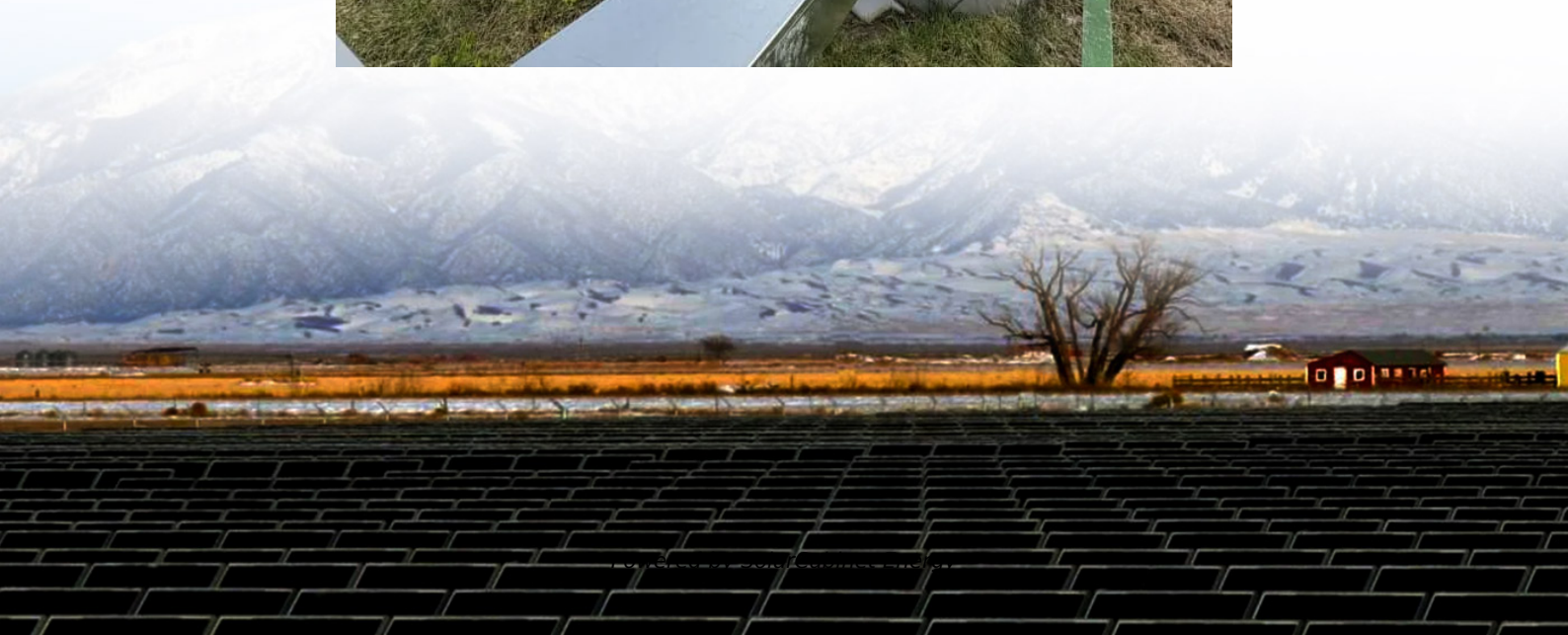


Myanmar power supply side energy storage peak regulation





Overview

Does Myanmar have a power supply gap?

Myanmar's power sector will likely continue to experience significant challenges. To sustain the current level of power supply would require adding 300-500 MW every year until 2030. Scenario analysis on the power supply-demand gap illustrates that available generating capacity is projected to not meet the growing demand.

What is happening in Myanmar's power sector?

Myanmar's power sector has been severely affected by the ongoing political turmoil. The power sector has been spiralling downward since 2021 with prolonged electricity blackouts throughout the country. Electricity generation has been declining, resulting in a widening power supply-demand gap.

How can Myanmar improve its energy policy?

Expanding renewable energy sources, particularly solar, wind, and hydropower, is crucial for reducing the nation's dependency on gas and mitigating future power shortages. Moreover, Myanmar's energy policy must be reformed to attract foreign investment and improve governance.

How much electricity does Myanmar need?

According to the Ministry of Electricity and Energy, by 2030 hydropower will be able to respond to 38 percent of the total energy demand, domestic natural gas 20 percent, domestic coal four percent and other renewable energy sources nine percent. Therefore, Myanmar still needs 29 percent of total electricity supply for the whole country (See Figure).

How has Myanmar's energy infrastructure changed over the years?

The country's energy infrastructure expanded with foreign direct investment (FDI) support and progressive government policies like the Myanmar Sustainable Development Plan 2018-2030. The total installed power capacity



grew from 5,125 MW to 6,830 MW, while power output increased from 15,965 GWh to 23,643 GWh annually.

Who manages Myanmar's energy sector?

Myanmar's energy sector is managed by the Ministry of Electric Power (MOEP) and the Ministry of Energy (MOE), which together account for over one-third of public sector revenue. Before May 2022, the two ministries operated under one single Ministry of Electricity and Energy (MOEE).



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