

ASEAN Energy Storage Power Station





Overview

How can the ASEAN Power Grid facilitate investments in renewables?

To facilitate investments in renewables in ASEAN, it is critical to overcoming the barriers in renewable energy legislation, energy governance, and business environment. 28 Cooperation through the ASEAN Power Grid brings economic benefits to the region as a whole, and thus improves the affordability for energy transition.

Does ASEAN have technology options to decarbonize power sector?

Faced with energy transition objectives, the ten countries of the Association of Southeast Asian Nations (ASEAN) have technology options to decarbonize power sector. This study investigates the hypothetical decarbonization pathways for ASEAN's power sector.

How is ASEAN viewed as a power system?

Each ASEAN country is viewed as a power system with country-specific electricity demand and emission targets required by its NDC.

How much investment does ASEAN need for generation infrastructure?

Across scenarios, generation infrastructure will require a cumulative investment equivalent to 29.6%–44.6% of ASEAN's 2018 GDP (Gross Domestic Product). The investment requirements for the expansion plan, however, are unevenly distributed across countries, especially with the ambition to achieve a carbon-neutral power sector.



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