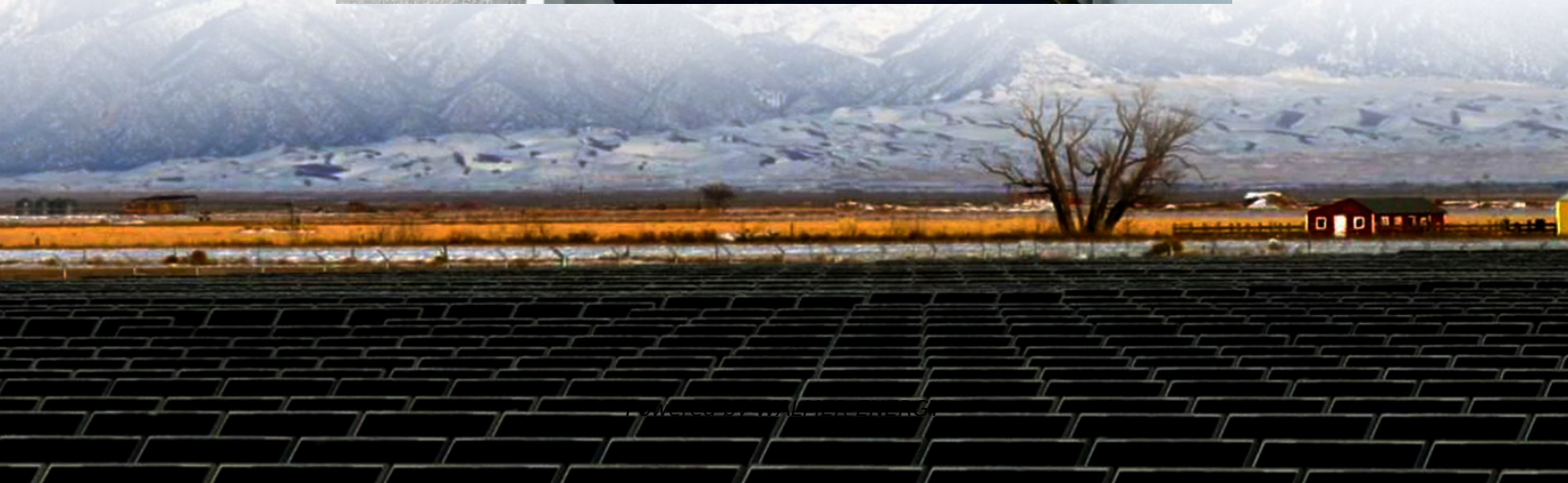


ASEAN 5G solar container communication station wind power storage





Overview

Should ASEAN deploy large-scale solar photovoltaic (PV) with battery storage?

And as solar is abundant in all AMSs, it is incumbent upon ASEAN to deploy large-scale solar photovoltaic (PV) with battery storage, which this study accordingly thoroughly analyzes, as previously mentioned.

What is ASEAN's energy supply?

ASEAN's energy supply was 616 million tonnes of oil equivalent (Mtoe) in 2017, and it is expected to grow to 2006 Mtoe by 2060 in the BAU or Baseline scenario, per Fig. 3 and Table 1. Coal, oil, and natural gas accounted for approximately 80.06% in 2017, and are forecast to reach 85.09% in 2060 in the BAU scenario. Source Authors' calculations.

Can ASEAN achieve Nze by 2050?

Combining such policy changes with technological innovations, however, may enable ASEAN to incorporate a greater share of renewables in its energy mix, including solar, wind, biomass, geothermal, and hydropower, as part of achieving NZE by 2050.

What will ASEAN's Energy Future look like in 2050?

The Economic Research Institute for ASEAN and East Asia (ERIA) predicts that ASEAN as a group will experience continuous rising energy demand through 2050, and that clean energy, especially renewables, will play a critical role in gradually replacing fossil fuels in a stepwise manner.



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