

Southeast Asia Energy Outlook

APERC Annual Conference 2023

26 April 2023

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Lasting collaboration between Southeast Asia and the IEA

May 2022



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Government responses are fast-tracking the clean energy economy



The US Inflation Reduction Act, the EU's Fit for 55 package, Japan's GX, China's new clean energy targets and India's solar revolution propel clean energy investment to new highs, but \$4 trillion is needed by 2030 to be on track for 1.5 °C

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Peak fossil fuel demand is coming this decade



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Keeping the door to 1.5 °C open



Policy and technology progress since 2015 has shaved 1 °C off projected warming, a step in the right direction; but much more needs to be done in order to avoid severe climate disruptions

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Southeast Asia is an emerging heavyweight of global energy



The 10 member economies of the Association of Southeast Asian Nations (ASEAN) are among the world's fastest growing, but there are strong country-by-country economic and energy variations

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Announced climate ambitions have huge implications for energy



Today's policy settings in the STEPS imply continued strong reliance on fossil fuels to meet future demand growth; meeting new net zero goals will require major efforts to improve efficiency & switch to low emissions power & fuels

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Today's pathway brings significant energy security risks



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The region is not on track to hit its sustainability goals



Today's policy settings produce a rising trend for energy-related emissions and – while Southeast Asia has made impressive progress with access to electricity – universal access to clean cooking fuels is not secured

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120

Flexibility is the watchword for a wind and solar-rich power mix



flexibility; this is one of the areas that will need to change to enable a rapid rise of clean electrification

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A surge in clean energy investment is needed this decade



National & international public finance will be essential to meet the region's energy security & climate goals, but governments need to do much more to attract private investors by reducing regulatory and financing risks

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Renewables financing costs differ in the region







Source: IEA and Imperial College London (2023)

Cost of capital is lower in those countries with fewer policy and integration risks, as well as more developed financial systems

A new global energy economy is emerging



supply chains; rapid growth in clean energy deployment will create huge market opportunities

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