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Title: Bangkok power side energy storage planning

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How can Thailand manage its energy transition?

Thailand can manage its energy transition and solve the energy trilemma of sustainability, security and affordability by accelerating renewable power additions and grid capacity expansion, while limiting new thermal power capacity addition.

Does Thailand need a battery energy storage system?

Thailand may lack the Battery Energy Storage Systems (BESS) necessary to navigate supply and demand challenges. The 2024 PDP draft included 10,000 MW of BESS, but this may see the country struggle to fulfil carbon neutrality and Net Zero commitments over the coming decades.

How can Thailand reduce the economic burden on existing power plants?

To alleviate the economic burden on existing power plant owners, Thailand could explore tapping concessional funding through the Asian Development Bank's Energy Transition Mechanism or other green financing programs. It could also look to use transition credits, a type of carbon credit that is generated when thermal power plants are retired early.

Does Thailand have a pooled gas system?

Since Thailand has a pooled gas system, an increase in domestic gas consumption or lower reliance on LNG imports could reduce its average pooled gas price.

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