
Bangkok Hydropower Energy Storage Project

Will three hydropower dams be developed into "batteries" in Thailand?

Three more hydropower dams operated by the Electricity Generating Authority of Thailand (Egat) will be developed into giant "batteries" under a 90-billion-baht investment to supply clean power to the country, easing concerns about insufficient electricity generated by solar and wind power.

What is the South Bangkok power plant project (extension)?

The South Bangkok Power Plant Project (Extension) will be located in Bang Prong Sub-district, Mueang District, Samut Prakan Province. It will be a single shaft combined cycle power plant with three 700 MW units. The units will primarily use LNG from EGAT's floating storage and regasification unit (FSRU) with diesel as a secondary fuel.

What is pumped storage hydropower (PSH)?

This effort aims to stabilize the clean energy supply, supplementing solar and wind power, which are subject to weather fluctuations. Egat's feasibility study focuses on implementing pumped storage hydropower (PSH) technology at the dams. Deputy Governor Tawatchai Sumranwanich explains that PSH involves two reservoirs at different elevations.

Will EGAT adopt a pumped storage hydropower system?

Egat is conducting a feasibility study at the dams, aiming to adopt a pumped storage hydropower (PSH) system for hydroelectric energy storage, said Tawatchai Sumranwanich, deputy governor of Egat. Under PSH, two reservoirs are located at different elevations.

Pumped storage hydropower (PSH) is a type of hydroelectric energy storage. It is a configuration of two water reservoirs at different elevations that can generate power as water moves down ...

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This project aims to serve as an energy storage system to ensure the security of the country's power system and support the transition toward rising renewable energy in the future. Thailand ...

Renewable energy contributes 18.3%, with biomass at 9.8% and hydropower at 3.7%. In the draft National Power Development Plan (PDP 2024-2037), Thailand aims to ...

To mitigate the impact of intermittent wind and solar power generation, the Electricity Generating Authority of Thailand (EGAT) plans to invest 90 billion Thai baht ...

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Thailand has announced plans to build three hydropower dams as part of its push towards clean energy, with an investment of 90 billion baht.

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Egat plans to convert three hydropower dams into giant energy storage facilities, supporting Thailand's renewable energy needs through a 90-billion-baht pumped storage ...

Green Energy's Secret Sauce: When Sun and Water Hold Hands Solar farms love sunny days, but what about monsoon season? Enter the Bangkok hydropower energy storage ...

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