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## Feasibility study on nuclear energy underway



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Energy Transition and Water Transformation Minister Datuk Seri Fadillah Yusof speaking at the International Green Build Conference 2025 yesterday. NSTP PIC BY AZIAH AZMEE

### STABLE BASE-LOAD SUPPLY ROLE

## Feasibility study on nuclear energy underway

**KUALA LUMPUR:** The government is studying the adoption of nuclear energy, including small modular reactors, as part of its future energy strategy under the 13th Malaysia Plan.

Energy Transition and Water Transformation Minister Datuk Seri Fadillah Yusof said the feasibility study will assess nuclear power's role as a stable base-load supply, particularly in areas where renewable energy (RE) deployment faces limitations.

"This study will evaluate waste management strategies to ensure nuclear energy is integrated responsibly into Malaysia's sustainable energy ecosystem," he said in his keynote address at the International Green Build Conference 2025.

At a press conference, Fadillah

said the move goes beyond technology adoption, requiring amendments to laws and coordination with the Science, Technology and Innovation Ministry and other agencies.

He said public acceptance is also needed before any nuclear project is implemented.

"Right now, we are receiving positive response to speed up the process."

He said Malaysia must comply with international frameworks, adding that 18 treaties and agreements need to be signed, including the Civil Nuclear Cooperation Agreement, or 123 Agreement, with the United States before a final decision is made on nuclear energy's inclusion in the national energy mix.

Fadillah said RE generation in

Peninsular Malaysia and Sabah remains constrained since available sources such as hydro, solar, biomass and biogas are limited.

"We have to find other firm energy that we can produce to support the base-load in the peninsula and Sabah. But the exact location will only be determined once all preconditions are met, including public acceptance and regulatory approvals."

Fadillah said the ministry will soon launch the National Energy Efficiency Action Plan 2026-2035 (NEEAP 2.0).

"This comprehensive strategy will chart initiatives across all sectors to drive energy savings, once again encompassing both electrical and thermal energy measures," he added.