

Regional Initiatives for EE&C and RE for Accelerating ASEAN's Energy Transition

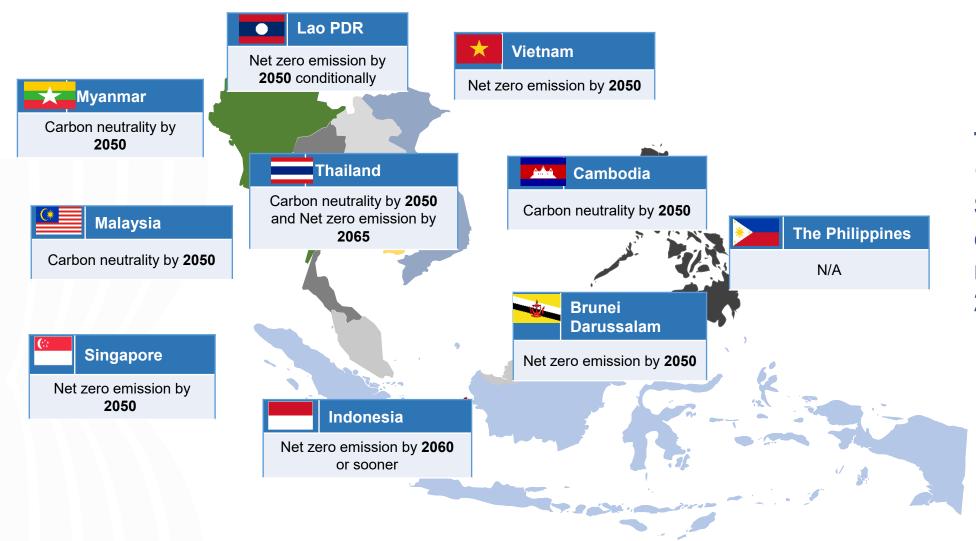
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ASEAN Carbon Neutrality or Net Zero Target

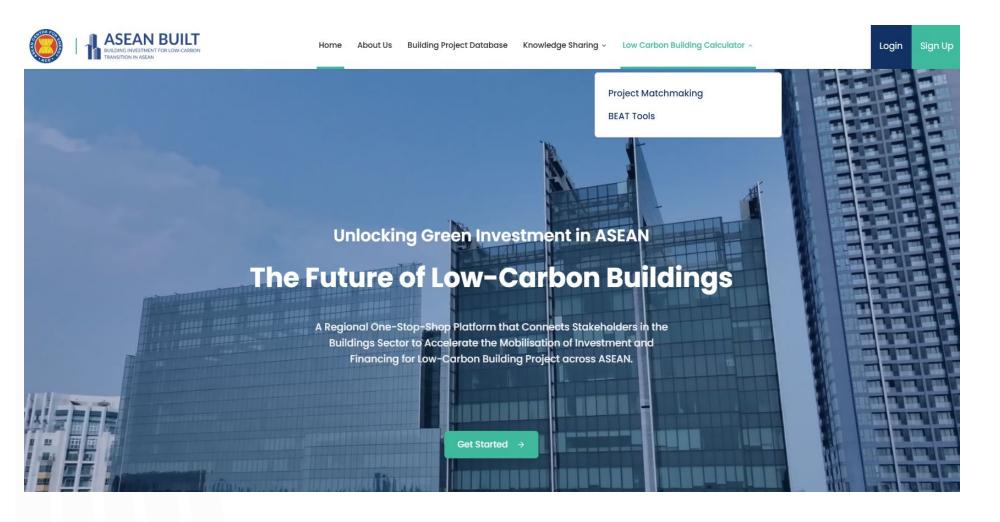




The majority of the 10 ASEAN Member States have set carbon neutrality or net zero targets by 2050

ASEAN Energy Efficiency Database and Investment Matchmaking Platform Malaysia's Chairmanship 2025 Annual Priority for EE&C





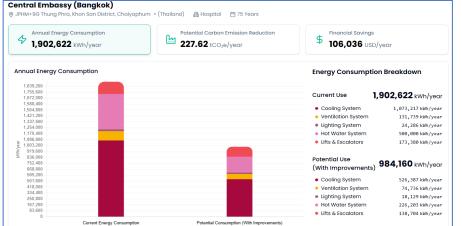
A regional one-stopshop platform that connects stakeholders in the buildings sector to accelerate the mobilisation of investment and financing for lowcarbon building projects across **ASEAN**

ASEAN Energy Efficiency Database and Investment Matchmaking Platform Malaysia's Chairmanship 2025 Annual Priority for EE&C



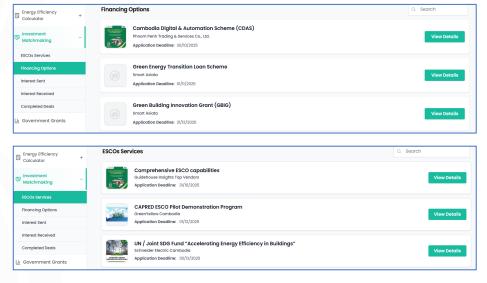
#1:
Building
Energy
Efficiency
Project
Database





#2: Building Energy Efficiency Calculator

#3: Energy
Efficiency
Project
Matchmaki
ng





#4: Knowledge Sharing Hub

ASEAN Renewable Energy Long-Term Roadmap Malaysia's Chairmanship 2025 Annual Priority for Renewable Energy





The roadmap offers guidance and direction beyond RE development, covering the alignment and coordination of the cross-sectoral workplan for seven programme areas in APAEC

ASEAN Renewable Energy Long-Term Roadmap Malaysia's Chairmanship 2025 Annual Priority for Renewable Energy





The decarbonisation of end-use options is foreseen to play a greater role in longer term due to limited perspectives.

APAEC 2026 - 2030

→ Tackling the implementation gap doubling RE (14% vs 30%)

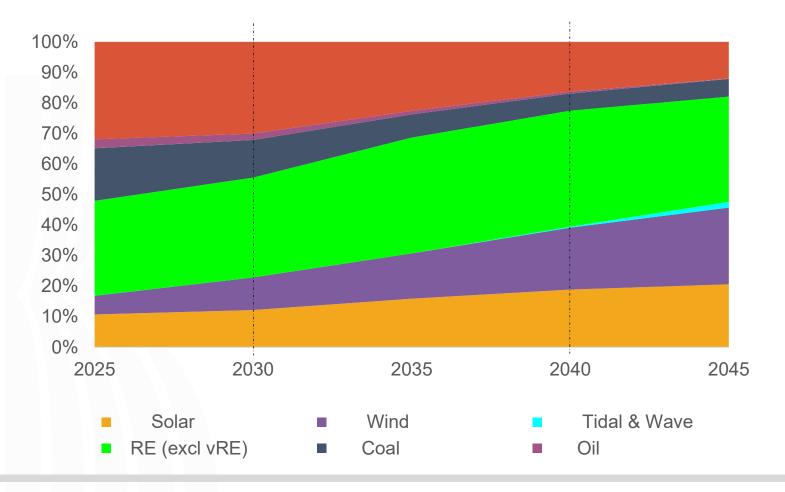
It is driven by:

- ✓ The member vision and readiness to accelerate RE.
- ✓ Surge of renewable electricity demand from cooperates.
- ✓ More coordinated electrification of transport and low-heat industry (better energy efficiency).
- ✓ More optimum resource sharing via APG (less need of supply)

ASEAN Renewable Energy Long-Term Roadmap Malaysia's Chairmanship 2025 Annual Priority for Renewable Energy



The ↑ share of RE in power generation and the retreat of fossil fuels use by 2045 will call for a reorientation of power system planning and flexibility strategies to ensure system reliability



Phased Transformation

Next APAEC (2026 – 2030)

→ RE & gas generation grow in tandem

Mid-term (2031-2035)

- → Gas generation peak around 2030 and declines
- → Conventional RE generation & storage reached sufficient level to displace gas

Long-term (2036-2045)

→ Intermittent RE and base-load RE (& storage in installed capacity) ↑↑; gas ↓↓

ASEAN Energy AwardsRegional Initiatives for EE&C and RE





Southeast Asia's highest reward to encourage and bring about recognition of greater private sector participation and interest in energy development of the ASEAN region in partnership with the public sector.

ASEAN Energy Awards Categories

ASEAN Coal Awards

ASEAN Best Practices for Energy Efficient Buildings (EEB) Awards

ASEAN Best Practices for Green Buildings (GB) Awards

ASEAN Best Practices for Energy Management (EM) in Buildings and Industries Awards

ASEAN Renewable Energy (RE) Projects Awards

ASEAN Energy Management Awards for Individual 2025

5th ASEAN Energy Youth Awards (AEYA)

ASEAN Energy Awards Webpage



https://aseanenergy.org/in-service/awards/asean-energy-awards/

ASEAN Accelerator ProgrammeRegional Initiatives for EE&C and RE



Capacity and technical knowledge development for enhancement of MSMSs and start-ups cleantech businesses scale.

ASEAN Accelerator Programme Phase



Programme Webpage

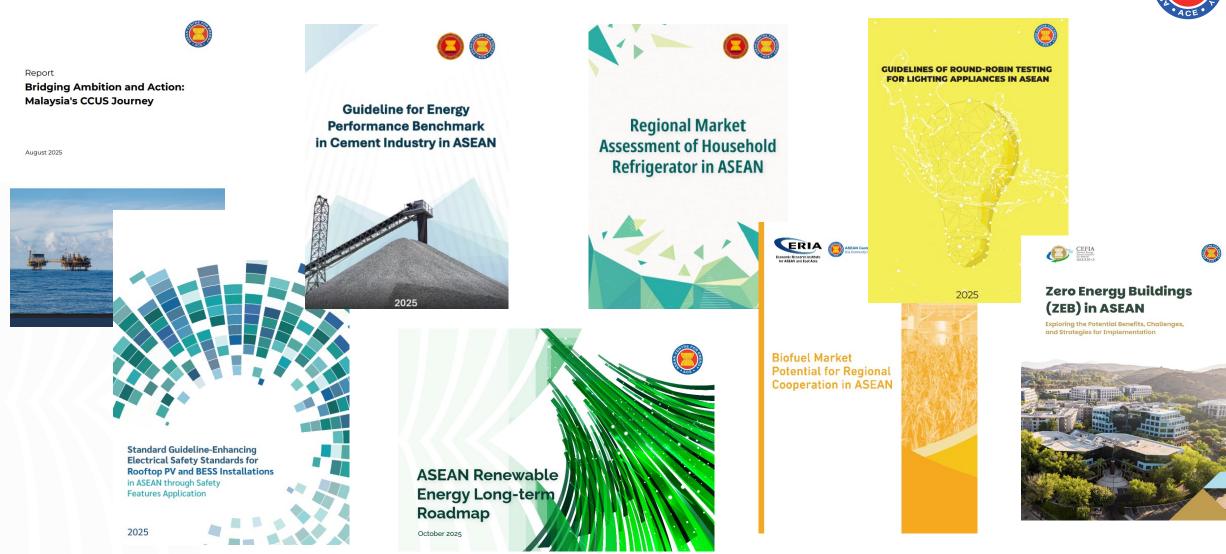


ASEAN Accelerator Programme

https://aseanenergy.org/asean-accelerator/about/

ACE Publications





https://aseanenergy.org/publications/

ASEAN Centre for Energy One Community for Sustainable Energy

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Thank You