



ASEAN Centre for Energy
One Community for Sustainable Energy

9th Cleaner Energy Future Initiative for ASEAN (CEFIA) Forum

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●●● About ASEAN Centre for Energy (ACE)



Established in January 1999, ASEAN Centre for Energy (ACE) is an **intergovernmental organisation** within ASEAN structure that **represents the 10 ASEAN Member States'** interests in the energy sector.



Think Tank

Identifying and surfacing innovative solutions

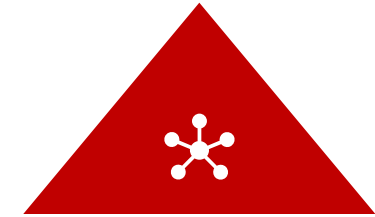
Policies, legal, regulatory frameworks and technologies



Energy Data and Knowledge Hub

Providing knowledge depository for AMS

Energy database



Catalyst

Unifying and strengthening cooperations and integrations

APAEC activities, including works with ASEAN DPs and IOs

Secretariat

●●● About ASEAN Plan of Action for Energy Cooperation (APAEC)



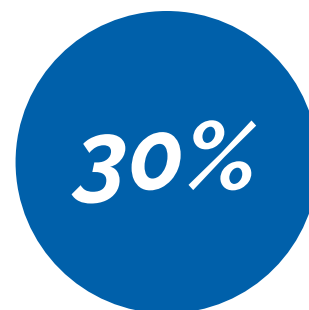
With a long-term vision ...

ASEAN Energy Future 2045: Secure, resilient, and interconnected low-carbon energy future

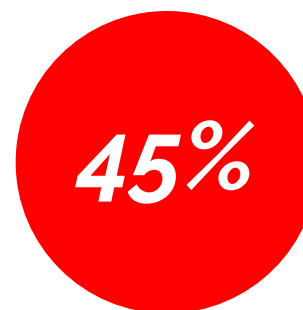
... and the theme of the APAEC 2026-2030 ...

Advancing regional cooperation in ensuring energy security and accelerating decarbonisation for a just and inclusive energy transition

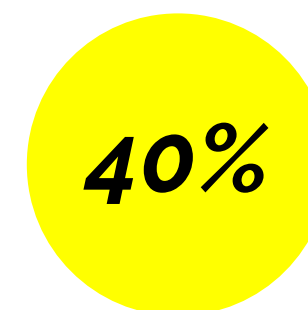
... ASEAN is committed: by 2030 to achieve ...



Share of RE in TPES



Share of RE in installed capacity



EI reduction from the 2005 baseline

●●● APAEC 2026-2030 Key Strategies Across Programme Areas



1. ASEAN Power Grid (APG)

Strengthen APG planning and implementation to enhance regional energy security and connectivity, through infrastructure development, advancing market frameworks, and a coordinated regional cooperation framework



2. Oil and Gas Connectivity, Security, and Sustainability (OGCSS)

Enhance energy connectivity, energy security measures and accessibility in sustainable practices within the oil and gas sectors in order to meet regional energy demands responsibly



3. Clean Coal Transformation (CCT)

Promote a responsible and cleaner coal value chain that aligns with carbon neutrality goals and development



4. Energy Efficiency and Conservation (EE&C)

Enhance the adoption of EE&C for decarbonising end-use sectors through emerging innovative solutions, enhanced regional cooperation, and policy and standards harmonisation



5. Renewable Energy (RE)

Accelerate the scale-up of RE deployment on power system transition, energy supply and end-use sectors towards a low-carbon ASEAN vision and across the ASEAN countries



6. Regional Energy Policy and Planning (REPP)

Strengthen regional energy policy, planning and interconnectivity to accelerate a just and inclusive low-carbon energy transition

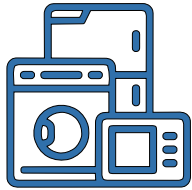


7. Civilian Nuclear Energy (CNE)

Equip decision-makers with critical insights to position CNE as a low carbon fuel option for ASEAN's growing energy demand

●●● Provisional Topic of Activities to Implement the APAEC 2026-2030

Appliance/Equipment



- ❖ Market Survey & Product database System
- ❖ Regional Roadmap for Refrigerators
- ❖ MEPS Adoption and Labelling for Refrigerators
- ❖ Implementation/ Enforcement for AC and Lighting
- ❖ MVE Guideline
- ❖ ASEAN MRA for AC and Lightings

Building



- ❖ Building energy code, certification, and energy management system
- ❖ High-efficient equipment (chiller, refrigerator, motor, etc)
- ❖ Passive cooling strategies
- ❖ Energy efficiency in residential and commercial sectors
- ❖ Building Life-Cycle Assessment
- ❖ Data Centre

Industry



- ❖ Advanced and energy efficient industrial equipment
- ❖ Sub-Industry benchmarking
- ❖ Energy management system
- ❖ Digitalisation of industrial process

Transport



- ❖ Fuel Economy for Light-Duty Vehicle, Heavy-Duty Vehicle, two-three-wheeler
- ❖ Fuel-Switching Policy (Electric Vehicle, Hydrogen, etc.)
- ❖ Transport System Efficiency – public transportation

Financing



- ❖ Innovative financing model for EE projects (i.e.Credit Guarantee mechanism, energy savings insurance)
- ❖ Public-Private Sector Engagement, accelerator and incubation
- ❖ EE project matchmaking and databases



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