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ASEAN-German Energy Programme (AGEP)

What is

AEO7?



ASEAN Energy Outlook (AEO)

A report that complements the ASEAN Plan of Action for Energy Cooperation (APAEC) and supports the creation of pathways for achieving the regional targets

AEO is official reference for ASEAN energy landscape, as it incorporates major involvement from all 10 AMS in every process



Guided by :

APAEC



Programme Area No.6

Regional Energy Policy and Planning

Action Plan 1.2

Publish regular regional energy outlooks and strategic reports on the thematic issue



Will be launched at
The 40th ASEAN Ministers
on Energy Meeting,
September 2022

40th
AMEM



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AEO7 Scenarios



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1 Baseline

- Considers historical trends and excludes any policy interventions (RE/EI/EE Policies, and PDP)
- Explores the impact of relatively low efforts on the RE and EI/EE policies

2 AMS Target Scenario (ATS)

- Refers to the existing AMS policies and targets, including EE, RE, and energy-related such as Nationally Determined Contributions (NDCs)
- Explores the impact of existing national policies and measures from official documents that will lead the country to reach its target



Note

RE : Renewable Energy EE : Energy Efficiency
EI : Energy Intensity PDP : Power Development Plan



AEO7 Scenarios



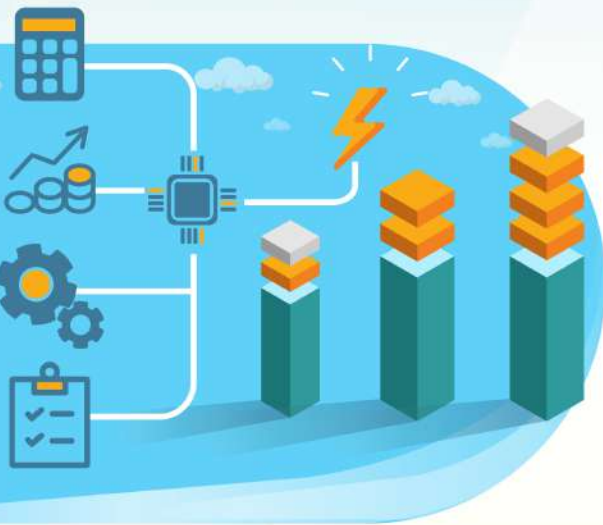
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3 APAEC Target Scenario (APS)

- Includes RE and EE measures to meet the 2025 regional target under APAEC 2016-2025 Phase I: 2021-2025
- Explores the efforts required to reach the EI and RE targets of APAEC which explores a higher level of ambition beyond the national targets



4 The Least-Cost Optimisation scenario (LCO)

- Uses a technology-neutral approach by applying the least cost optimization of all viable technologies
- Consider cost-effectiveness, affordability, safety, and mature technology to fulfil the growing energy demand and supply

Note
APAEC : ASEAN Plan of Action on Energy Cooperation



ASEAN Energy Outlook Throughout the Years

AEO1 to AEO3 | 2006 - 2012

Almost fully developed by IEEJ (Japan), with ACE as the facilitator

AEO4 | 2014 - 2015

- Presented at 33th ASEAN Minister on Energy Meeting (AMEM): Minister-CEO Dialogue in Kuala Lumpur, Malaysia, September 2015

AEO5 | 2015 - 2017

- Launched at 35th AMEM in Manila, the Philippines, September 2017
- ACE worked 40% not only on data collection but also on modelling work.

- 80% work by External Consultant, ACE supported on data collection process

AEO6 | 2018 - 2020

- Launched at 38th AMEM in Vietnam, November 2020
- ACE worked about 70% of the modelling work, engaging the External Consultant mostly on the analytics part

AEO7 | 2021 - 2022

- Will be launched at 40th AMEM, 2022
- ACE did almost 100% of the modelling work, engaging the External Consultant mostly as advisory role



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