Southeast Asia Energy Outlook 2017

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Toward a more secure and sustainable path

Primary energy demand in 2030 in the New Policies Scenario and the Sustainable Development Scenario

NPS 892 Mtoe
- Coal: 15%
- Oil: 32%
- Gas: 23%
- Nuclear: 7%
- Hydro: 3%
- Bioenergy: 20%
- Other renewables: 3%

SDS 781 Mtoe
- Coal: 16%
- Oil: 33%
- Gas: 23%
- Nuclear: 16%
- Hydro: 10%
- Bioenergy: 4%
- Other renewables: 23%

Efficiency and renewables play a significant role in the clean energy transition
Energy investment profile to 2030

Annual average energy investment to 2030 in the New Policies Scenario and Sustainable Development Scenario

The clean energy transition needs a ramp-up & reorientation of energy investment to 2030
Clean energy transition requires significant reallocation of investment.

Cumulative investment in the Sustainable Development Scenario moves away from fossil fuels toward renewables and efficiency.
Mobilising efficiency investment in end-use sectors

Average annual additional investment to 2030 in end-use sectors in the Sustainable Development Scenario

Efficiency investment requires effective regulatory frameworks & incentives
Power sector investment needs to be scaled up & redirected to move towards sustainable goals.
Clean energy transition requires scaling up and redirecting energy investment toward efficiency and low-carbon technologies.

Significant participation from the private sector and co-operation with international institutions are needed to meet the vast investment requirements.

Developing effective regulatory frameworks and incentives is essential to encourage efficiency gains and renewables investment.

Many proven policies around the world can provide a good reference to facilitate the move towards the clean energy transition.