

INDONESIA ENERGY TRANSITION DEEPDIVES

CHALLENGES ON ENERGY TRANSITION IN INDONESIA

27 September 2022

09.00 – 16.00 Western Indonesian Time
(WIB)

12.00 – 19.00 AEST Australian Eastern
Standard Time (AEST)

Organized by:

Background

Indonesia Energy Transition Deep Dives is part of the Southeast Asia Energy Transition Partnership's (SEA ETP) Roundtables – a two-year capacity-building and networking program that aims to provide an opportunity for energy transition stakeholders from Indonesia, the Philippines and Vietnam to engage in an intensive roundtable series on the energy transition. SEA-ETP is a multi-stakeholder platform that aims to accelerate the energy transition process in Southeast Asia and achieve climate change control targets in accordance with the Paris Agreement. Energy Transition Partnership (ETP) Round Tables is a series of capacity building programs aimed at increasing awareness and understanding of practical steps and solutions to support the acceleration of energy transition in Indonesia, the Philippines, and Vietnam. This program is implemented by a consortium under the auspices of Australian National University (ANU), where the Institute for Economic and Social Research, Faculty of Economics and Business, University of Indonesia (LPEM FEB UI) together with Indonesia Research Institute for Decarbonization (IRID) are local partners for implementation in Indonesia. Under this program, an Energy Transition Dialogue has been held in February 2022 and a series of Executive Training Courses in March-June 2022.

As a follow-up series under this program, the Indonesia Energy Transition Deep Dives 2022 will be implemented with a focus on the challenges on Indonesia's energy transition. The challenges here will focus on financing options as well as solutions for energy transition and grid issues in the energy transition. The focus of deep dives is also based on the results of the stakeholder dialogue conducted with relevant Indonesian stakeholders. Financing for energy transition is an issue that is widely raised by stakeholders considering that if Indonesia is to achieve the Net-Zero emission target in the energy sector, it requires 28 million USD/year and a high amount of funding for investment repayment. The financing needs are way above the government budget, therefore support for other funding mechanisms is needed.

On the other hand, the energy transition to green energy poses challenges for Indonesia in terms of grid issues, both capacity and connectivity. Despite adding more renewables to increase the share of renewables in the energy mix, there is a problem that major grids such as Java-Bali and Sumatra are expected to be oversupplied for the next decade if too many plants are added because a lot of ongoing projects will come into the grid for the next two years. The solution could be to relocate some existing plants outside Java-Bali to reduce oversupply and encourage the acceleration of the ASEAN power grid. This is one of the challenges and it is hoped that through these deep dives there will be solutions and recommendations given.

MORNING

Time	Session Titles	Speakers
09.00 – 09.05	Introduction	Dr Thang Do, Australian National University (ANU)
09.05 – 09.15	Welcoming remarks	Mr John Cotton, Senior Program Manager, Energy Transition Partnership Ms Moekti H. Soejachmoen, IRID
09.15 – 09.20	Description of the Deep Dives structure	Mr Tarek Ketelsen, AMPERES
Plenary Session: <i>Panelists will be invited to share experiences on challenges related to the grid issues and financing on the energy transition in Indonesia</i>		
09.20 – 09.30	Overview and challenges related to grid issues (capacity and grid connectivity) in the energy transition in Indonesia.	Mr Wanhar, Director of Electricity Program and Planning, Ministry of Energy and Mineral Resources Indonesia
09.30 – 09.40	Energy Transition Mechanism (ETM) in Indonesia	Dr. Joko Tri Haryanto, Senior Researcher of Fiscal Policy Agency for Climate Change Financing and Multilateral Policy, Ministry of Finance of Indonesia
09.40 – 09.50	Overview of financing options for the energy transition	Prof Paul Burke, ANU
09.50 – 10.00	Australian experiences with grid issues in the energy transition	Dr Dylan McConnell, Melbourne University
10.00 – 10.25	Questions and answers	
Break-out parallel group discussions #1:		
10.25 – 11.25	Deepening the understanding of the issues 1. Financing options for the energy transition (group 1) 2. Grid issues in the energy transition (group 2)	Facilitators: Ms Moekti H. Soejachmoen, IRID Dr Alin Halimatussadiyah, LPEM FEB UI
11.25 – 12.00	Report back by each break-out group Q&A	Representatives of break-out group participants

12:00 – 13:00: Lunch Break

AFTERNOON

Time	Session Titles	Speakers
PLENARY SESSION: <i>Panellists will be invited to give insight on challenges related to the grid from regional perspectives and investment needs to support the energy transition</i>		
13.00 – 13.10	Storage and transmission to support renewable energy uptake	Prof Andrew Blakers, ANU
13.10 – 13.20	Regional perspectives on energy transition and its challenges	Mr. Agus Praditya Tampubolon Project Manager, Clean, Affordable, and Secure Energy for Southeast Asia (CASE)
13.20 – 13.30	Electricity infrastructure investment needs to support the energy transition	Mr. Pramudya, Deputy Director of Power Generation Planning, Ministry of Energy and Mineral Resources Indonesia
13.30 – 13.40	Questions and answers	
13.40 – 14.40	Break-out parallel group discussions #2: 1. Finding solutions to address the issues 2. Proposing recommendations to address the issues	
14.40 – 15.10	Report back by each break-out group	
15.10 – 15.45	Plenary discussion	
15.45 – 15.55	Conclusion	Ms Moekti H. Soejachmoen, IRID
15.55 – 16.00	Closing remarks	Prof Frank Jotzo, ANU

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