

Appendix 2.
Summary of the Symposium on Sustainable Power Mix
in the Future

Date & Time: 09:00 – 17:20, 20 November 2015

Meeting Venue: The Library, Novotel Bangkok on Siam Square, Bangkok, Thailand

Agenda:

08:00-09:00 *Registration and Refreshment*

09:00-09:10 Welcoming and Opening Remarks

Dr Dawan Wiwattanadate, Director, CU-ERI, Thailand

09:10-09:20 Keynote Address

Mr Akihiko Uchikawa, Minister – Economic Section, Embassy of Japan in Thailand, Japan

09:20-09:50 Special Lecture 1

Thailand's Energy Policy and Power Development Plan

Dr Twarath Sutabutr, Director-General, Energy Policy and Planning Office (EPPO), Ministry of Energy (MOEN), Thailand

09:50-10:20 Introductory Lecture

The Importance of Power Supply Mix on Energy Security and Sustainable Development

Dr Yanfei Li, Energy Economist, Energy Unit, Economic Research Institute for ASEAN and East Asia (ERIA)

10:20-10:40 *Photo Session and Coffee Break*

10:40-12:40 Session 1: Current Situation of Power Policy and Coal Power Generation and Perspectives in ASEAN and East Asia

Moderator: Dr Weerin Wangjiraniran, Researcher, CU-ERI, Thailand

20 minutes presentation + 5 minutes Q&A

- 10:40-11:10 Coal Power Generation in ASEAN Countries and its Role in Energy Security
Dr Joni Jupesta, Manager of Policy Research and Analytics Programme, ASEAN Centre for Energy (ACE)
- 11:10-11:40 Power Policy and National Development Plan in Indonesia
Mr Jarman, SOE Leader of Indonesia, Director General for Electricity, Ministry of Energy and Mineral Resources (MEMR), Indonesia
- 11:40-12:10 Power Policy and National Development Plan in Malaysia
Mr Somasundram Ramasamy, Senior Undersecretary, Energy Division, Ministry of Energy, Green Technology and Water (KeTTHA), Malaysia
- 12:10-12:40 Coal Power Generation in India and its Role in Economic Efficiency
Mr Prosanto Pal, Senior Fellow, The Energy and Resources Institute (TERI), India
- 12:40-14:00 Lunch Break
- 14:00-14:30 Special Lecture 2**
Clean Technology and Thailand's Coal-fired Power Plant Pollution Control Policy
Dr Wijarn Simachaya, Director General, Pollution Control Department, Ministry of Natural Resources and Environment (MNRE), Thailand
- 14:30-15:10 Session 2: Clean Coal Technology – Current Status and Perspectives**
20 minutes presentation +5 minutes Q&A
Moderator: *Dr Viboon Srirachoenchaikul, Deputy Director, CU-ERI, Thailand*
Issues to be Discussed: *Technology, Project Management, and Finance*
- 14:30-15:00 Economic Benefits of Introduction of CCT in the EAS Region
Dr Phoumin Han, Energy Economist, Energy Unit, ERIA

- 15:00-15:30 Achievements and Future Activities in Operation of Clean Coal Technology
Mr Atsushi Kimura, Manager of Mechanical Engineering Group, Fukushima IGCC Design Center, Thermal Power Department, Fuel & Power Company, Tokyo Electric Power Company, Inc. (TEPCO), Japan
- 15:30-15:50 *Coffee Break*
- 15:50-17:30 Session 3: Social Prospects of Power Generation Business**
20 minutes presentation +5 minutes Q&A
Moderator: Dr Sopitsuda Tongsopit, Researcher, CU-ERI, Thailand
Issues to be Discussed: Environmental Aspects, and Social Acceptance
- 15:50-16:20 Public Acceptance on Nuclear and Coal Power in European Countries
Ms Tomoko Murakami, Senior Economist, Manager of Nuclear Energy Group, Strategy Research Unit, IEEJ, Japan
- 16:20-16:50 Public Concerns on Coal/Nuclear and Risk Communications
Prof Surichai Wun'geao, Former Director, CU-SRI, Thailand
- 16:50-17:20 Public Communication and Public Acceptance on Coal Power Plant
Mr Veerapon Puangpitayavut, External Relations Director, BLCP Power Station, Thailand
- 17:20 Closing Remarks**
Mr Ichiro Kutani, Assistant to Managing Director, Senior Economist, Manager of Global Energy Group 1, Strategy Research Unit, IEEJ, Japan

Minutes of the Symposium:

- (1) On November 20, 2015, the Symposium on Sustainable Power Supply Mix in the Future was supported by Economic Research Institute for ASEAN and East Asia (ERIA) and co-organised by The Institute of Energy Economics, Japan (IEEJ) and Energy Research Institute of Chulalongkorn University (CU-ERI) at Novotel Bangkok on Siam Square in Bangkok, Thailand.
- (2) The purpose of the symposium was to share information and to discuss policies necessary to enable sustainable power supply mix in ASEAN and East Asian countries, focusing on coal power generation. The symposium was broken into an introductory lecture session and three sectoral sessions followed by Q&A.
- (3) In the Introductory Lecture Session, experts from Ministry of Energy (MOEN), Thailand and ERIA gave a lecture on the current status and the outlook of energy policies and energy mix in Thailand and EAS region.
- (4) In Session 1, panellists from ASEAN Centre for Energy (ACE), Ministry of Energy and Mineral Resources (MEMR), Indonesia, Ministry of Energy, Green Technology and Water (KeTTHA), Malaysia, and The Energy and Resources Institute (TERI), India introduced the outlook of energy mix in ASEAN region and explained the importance of coal resource utilisation. After the presentation, based on the questions from participants, issues such as a financial support for the development of high-efficient coal power plants (e.g. IGCC) and international electricity trades among ASEAN countries were discussed.
- (5) In Session 2, an expert from Ministry of Natural Resources and Environment (MNRE), Thailand explained that in Thailand, development of coal power generation is getting more and more difficult due to environmental regulation. Then, Tokyo Electric Power Company, Inc. (TEPCO), Japan introduced the current status of implementation of coal power plants using clean coal technology (CCT) in their supply area in Japan. Some participants commented that they are eagerly hoping for an introduction of the CCT from Japan.
- (6) In Session 3, three panellists from IEEJ, Japan, Rotary Peace Center, CU, Thailand, and BLCPPower Station, Thailand introduced the methods and actual efforts to improve public acceptance of coal power in European countries and in Thailand. Through discussion, participants found that it is necessary for local communities to be convinced of not only the environmental adaptability of the coal power plants, but also the benefits gained for them to go ahead with the construction projects.

(7) Through the symposium, the importance of high-efficient coal power generation to achieve the sustainable power supply mix was commonly recognised by the participants and the way to resolve issues such as finance support, technology development and public acceptance were actively discussed.