Asia-Pacific Economic Cooperation

APERC Asia Pacific Energy Research Centre

9.a. EGEDA Chair Report

The 68th Meeting of the APEC Energy Working Group (EWG68)

12-13 August 2024 – Lima, Peru

Glen SWEETNAM
Chair, EGEDA
Senior Vice President, APERC

Outline

- Data collection and processing update
- EGEDA training courses and workshops
- International cooperation

Data collection and processing update

Regular APEC energy data collection

- The secretariat completed collection of the **2021 annual energy supply and demand data**
  - **APEC Energy Statistics 2021,** which was published **online** and **APEC Energy Handbook 2021,** which was printed, are now available
  - The secretariat sent the request for 2022 annual energy supply and demand data from member economies in December 2023. To date,18 economies have submitted 2022 energy data.
- Other data collection
  - Annual energy prices
  - Annual GHG emissions
    - CO_2, CH_4 and N_2O emissions from energy combustion and fugitive emissions
    - CO_2 transported and stored
  - Energy efficiency indicators
  - Monthly oil and gas supply and demand (JODI)
  - Quarterly energy supply
  - Major economic indicators
  - Energy-related indicators

Smiley faces of JODI Oil in APEC (July to December 2023)

Economy	Sustainability	Timeliness (M-1 & M-2)	Completeness (%)	Sustainability	Timeliness	Completeness (%)
Brunei Darussalam	6	6	100%	☺	☺	☺
China	6	6	67%	☺	☺	😐
Hong Kong, China	6	6	100%	☺	☺	☺
Indonesia	6	6	100%	☺	☺	☺
Malaysia	6	5	52%	☺	😐	☹
Papua New Guinea	6	6	64%	☺	☺	😐
Peru	0	0	100%	☹	☹	☺
Philippines	3	0	100%	☹	☹	☺
Russia	0	0	0%	☹	☹	☹
Singapore	6	6	50%	☺	☺	☹
Chinese Taipei	6	6	100%	☺	☺	☺
Thailand	6	6	100%	☺	☺	☺
Viet Nam	0	0	0%	☹	☹	☹
		Number of	☺	9	8	7

Compared to Jul – Dec 2022	No change	+2	-1
Compared to Jan – Jun 2023	No change	+1	+1

Smiley faces of JODI Gas in APEC (July to December 2023)

Economy	Sustainability	Timeliness (M-1 & M-2)	Completeness (%)	Sustainability	Timeliness	Completeness (%)
Brunei Darussalam	6	6	100%	☺	☺	☺
China	6	6	64%	☺	☺	😐
Hong Kong, China	6	6	100%	☺	☺	☺
Indonesia	6	6	100%	☺	☺	☺
Malaysia	6	6	61%	☺	☺	😐
Papua New Guinea	0	0	0%	☹	☹	☹
Peru	0	0	0%	☹	☹	☹
Philippines	6	6	100%	☺	☺	☺
Russia	6	6	27%	☺	☺	☹
Singapore	6	6	64%	☺	☺	😐
Chinese Taipei	6	6	100%	☺	☺	☺
Thailand	6	6	91%	☺	☺	☺
Viet Nam	0	1	73%	☹	☹	😐
Number of			☺	10	10	6
Compared to Jul – Dec 2022				No change	-1	No change
Compared to Jan – Jun 2023				No change	-2	No change

EGEDA training courses and workshops

Energy statistics course (Held in Tokyo)

- **22 January to 2 February 2024**
  - No. of economies – 9 (BD; CHL; MAS; PNG; PE; SGP; CT; THA; VN)
  - No. of participants – 12
  - Trainers - EGEDA secretariat, APERC researchers
- **Objectives**
  - Increase the capacity of energy statisticians in APEC economies
  - Keep the members up-to-date with new developments in energy statistics.
  - Enhance the human resource network between APEC economies and APERC
  - Increase the level of understanding of the APEC energy database by APEC economies
  - Introduce world trends in energy statistics to APEC economies
  - Improve the reliability of the APEC energy database

22nd APEC workshop on energy statistics

- **Date:** 23-26 July 2024
- **Theme:** Tracking the progress of capacity built from the last workshops
- **Participants:** 24 persons from 14 economies participated (9 persons online)

  IRENA in-person, 4 speakers from IEA online
- **Objectives**
  - The workshop's main objective is to provide knowledge on the new energy data and statistics required to monitor the energy sector during the energy transition.
  - The workshop will enhance the participants' ability to apply the methodologies and techniques learned from previous workshops in the collection of data such as:
    - new energy products and technologies,
    - energy efficiency indicators, and
    - new and renewable energy data and statistics.
  - The workshop will facilitate dialogues on the issues and challenges encountered in collecting these data and statistics through economy presentations and roundtable discussions.

Performance levels for collecting/reporting energy statistics

Level	Performance
0	• Economy does not submit annual energy data to the EGEDA Secretariat • EGEDA Secretariat relies on energy balances provided by other organizations
1	• Economy collects energy production data for administrative purposes (e.g., managing private oil and gas companies) • Electricity data (only that collected by the state electricity company); no estimates of renewable energy production • Economy does not compile energy statistics/balances; does not complete APEC annual energy collection templates.
2	• Collects energy data from administrative sources; energy balances are incomplete • Energy consumption data are aggregated and limited to major sectors (i.e., industry, transportation, buildings, etc.) • Economy does not complete the APEC annual energy data collection templates
3	• Collects energy data from administrative sources; energy balances are incomplete • Some energy consumption data are categorized by subsectors; no end-use data • Does not complete the APEC annual energy data collection templates
4	• Collects energy data from administrative sources; energy balances are largely complete • Energy consumption data are broken down into subsectors • Conducts end-use energy consumption surveys; but does not submit end-use data in the APEC EEI template • Completes the APEC annual energy data collection templates
5	• Collects energy data from administrative sources; prepares complete and accurate energy balances • Categorizes energy consumption data by subsector • Conducts end-use energy consumption surveys; submits end-use energy consumption data in the APEC EEI template • Completes the APEC annual energy data collection templates

Trainer/Expert dispatch

Capacity Building Workshop on LEAP Software Application for Malaysia

- **Host:** Ministry of Natural Resources and Environmental Sustainability (MNRES)
- **Date:** 24-28 June 2024
- **Participants:** 19
- **Objectives**
  - Conduct/facilitate a capacity building workshop on developing energy sector projections for Malaysia via the Low Emissions Analysis Platform (LEAP)
  - Strengthen Malaysia's capability to prepare its domestic energy consumption and GHG emissions projections

Thailand recently requested similar training on end-use energy demand modeling using the LEAP software

International cooperation

Secretariat's participation in international meeting

Task Team for the Revision of Standard International Energy Classification (TT-SIEC) under International Energy Statistics Working Group (InterEnerStat)

- Discuss revisions to SIEC with the ongoing revisions of Central Product Classification (CPC) and International Standard Industrial Classification (ISIC)
- Monthly online meetings likely to continue for another year
- Limited Progress to date
  - IEA is continuing to review the definition of synthetic fuel after discussions on 23 January 2024
  - Regarding "Waste", no agreement was reached
  - Categorization of "Fuel wood, wood residues and by-products" is being discussed
  - There is a general agreement for including "cooling " in the energy product classification and not limiting it to district cooling but further discussion and clarification is needed
  - Hydrogen will be classified at the same level of electricity and heat removing it from "Other hydrocarbons"
  - Next meeting will be on August 27

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Thank you.

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