

# EGEDA Update

**The APEC Expert Group on Clean Fossil Energy (EGCFE) Meeting**

**20 April 2023**

Glen SWEETNAM  
Chair, EGEDA



# Outline

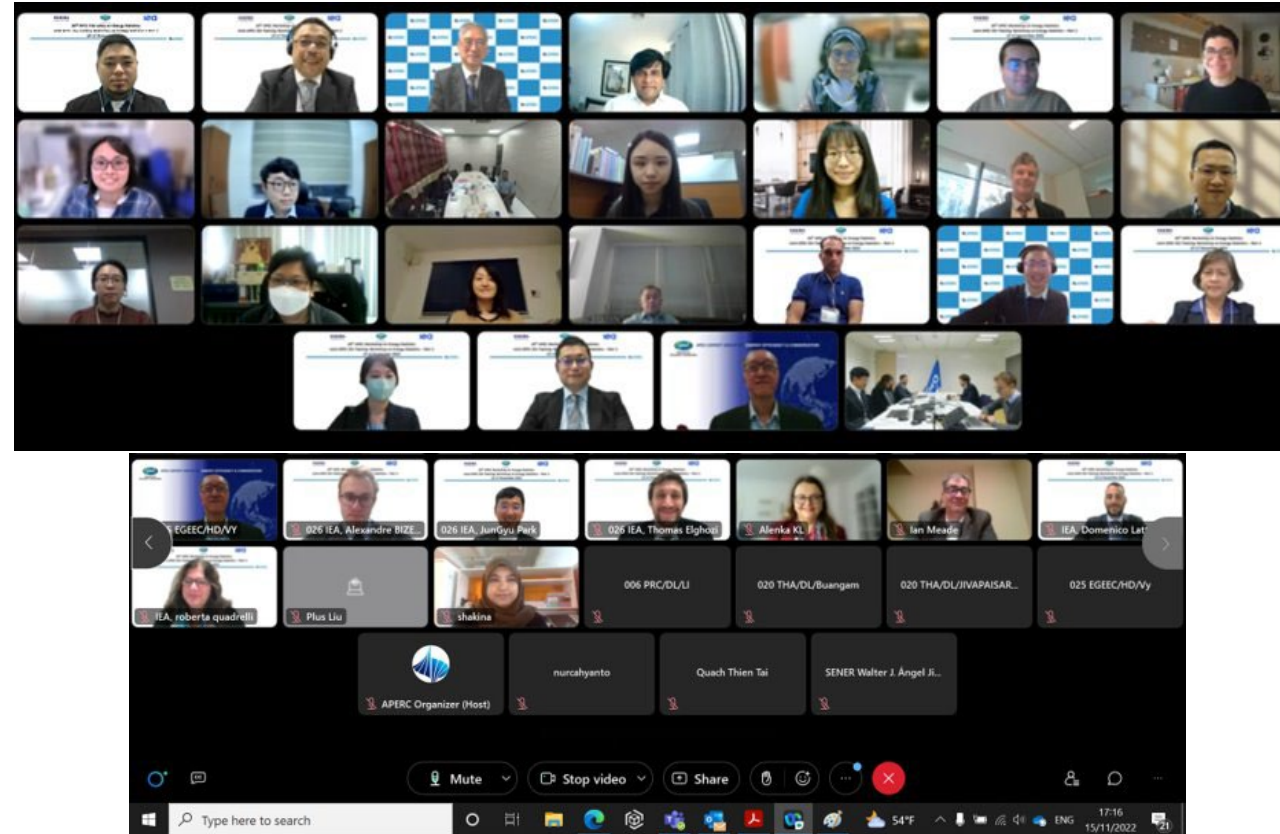
- ❑ Regular APEC energy data collection
- ❑ APEC workshops on energy statistics
- ❑ EGEDA's training courses on energy statistics
- ❑ 34<sup>th</sup> EGEDA meeting

# Regular APEC energy data collection

- ❑ **APEC Energy Statistics 2020** and **APEC Energy Handbook 2020** were published in March 2023
  - The publications are now being shipped to EWG and EGEDA members as well as to other APEC fora
- ❑ The secretariat is now collecting the **annual energy supply and demand data for the year 2021**
  - The secretariat will not print **APEC Energy Statistics 2021**, but will make it available **online**; **APEC Energy handbook 2021** will still be printed
- ❑ Other data collections continue
  - Annual energy prices
  - Annual CO<sub>2</sub> emissions from energy combustion
  - Energy efficiency indicators
  - Monthly oil and gas supply and demand (JODI)
  - Quarterly energy supply

# 20<sup>th</sup> APEC workshop on energy statistics (1)

- Online on **15-17 November 2022**:
  - **Part 2** of the Joint APEC/IEA Workshop on energy efficiency indicators,
- **Participants**
  - No. of participants – 59
  - No. of economies – 14 (AUS; CDA; PRC; HKC; INA; JPN; ROK; MAS; PNG; PHL; CT; THA; US; VN);
  - EGs/Fora – EGEEC; APERC
  - Experts and Speakers - IEA (6) and METI
  - Consultants – 2
- **Purpose**: improve member knowledge about end-use data collection and estimation processes and how best to use published data.



## □ Agenda

- Data gaps analysis
- Modeling sectoral end-use energy consumption
- Hands-on exercises on data estimation
- Resolving data gaps at the economy level

# 21<sup>st</sup> APEC workshop on energy statistics

- Tentative schedule: **12-14 September 2023** (Tokyo)
- Purpose: to enhance the EGEDA members knowledge on hydrogen, district cooling, and other new energy technologies such as large-scale battery electricity storage, electric vehicles, etc., to facilitate data collection on these new energy products and technologies.
- Agenda
  - **Hydrogen** production, transportation, and consumption, and data requirements for inclusion in energy balances/statistics
  - **District cooling** and challenges in collecting data
  - **Grid-scale battery storage technologies** and how data could be incorporated in energy balances/statistics
  - Other **new energy technologies** such as electric vehicles, fuel cell vehicles, CCS, etc.

# EGEDA's training courses (1)

## Held in Tokyo

### ❑ EGEDA Short term course

- No. of economies – 9 (BD; INA; CHL; MAS; PNG; PHL; SGP; THA; VN)
- No. of participants – 12
- Consultant/Trainers - 6

### ❑ Objectives

- To increase the level of understanding of APEC energy data base by APEC economies.
- To improve reliability of the APEC energy database.
- To enhance members' understanding on end-use energy consumption and energy efficiency indicators.
- To enhance human resource network between APEC economies and APERC.

➤ *The participants were satisfied with the training*



# EGEDA's training courses (2)

## Held in Tokyo

### □ **Special training course for Viet Nam (27 Feb – 3 Mar 2023)**

- 7 participants from 5 agencies in VN (EREA, OGCD, IEVN, MLTPD, GSO)
- Others-OJT, long-term trainee, APERC-VN
- Trainers – 5

### □ **8-Week on-the-job training**

- June 2023 start
- Papua new Guinea and Peru invited



# 34<sup>th</sup> EGEDA meeting held jointly with EGNRET58 (1)

**Host : Hawaii, The United States**

**Date :** 4<sup>th</sup> to 5<sup>th</sup> April 2023

**Time :** (Day1) 9:00AM-4:50PM [Hawaii time]

(Day2) 9:00AM-5:15PM [Hawaii time]

## Participants

- 50 participants
- 12 economies (AUS, BD, HKC, JPN, ROK, PNG, PHL, CT, SGP, THA, US, VN)
- **Collaboration:** EGNRET, EGEEC, EGEDA, EGCFF, EWG, IRENA and APERC





# Upcoming data challenges with the energy transition

(Methodology and definitions still being discussed by TT-SIEC)

- ❑ Batteries (grid level)
  - ❑ Same treatment as pumped storage
  
- ❑ Hydrogen / Ammonia / e-Fuels
  - ❑ EGEDA Secretariat proposed a template
  - ❑ APEC Workshop in September 2023 to finalize
  
- ❑ Carbon Capture and Storage
  - ❑ EGEDA Secretariat will revise existing CO<sub>2</sub> emissions template
  
- ❑ EV electricity consumption
  - ❑ EGEDA Secretariat will ask for estimates of energy consumed by electric vehicles
  
- ❑ EGEDA Secretariat will issue request for 2022 data in December 2023
  - ❑ Submission deadline: March 2024

**Thank you.**

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