

# 4C\_Workshop mechanics

**23<sup>rd</sup> APEC Energy Statistics Workshop: Capacity Building in  
Conducting Household Energy Consumption (Phase I)  
17-19 September 2025**

Elvira Torres Gelindon, Research Fellow, APERC/EGEDA secretariat



# Outline

Objectives

Break-out sessions

- Warm and cold economies
- Emerging and developed economies

Closing thoughts

# Objectives

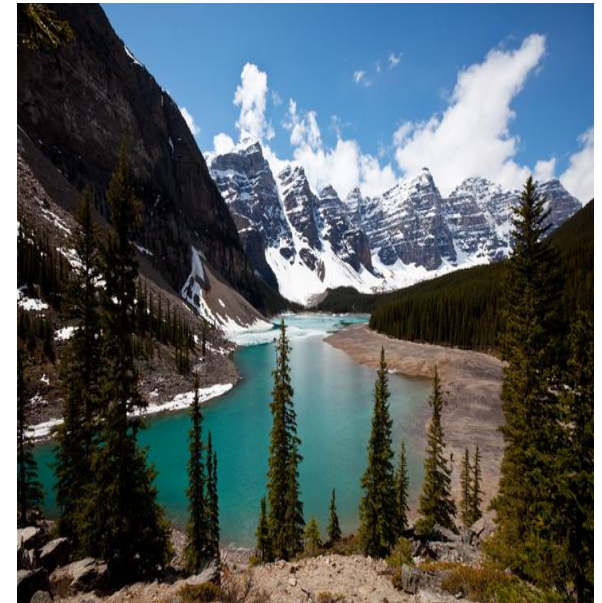
- ❑ The workshop's main objective is to enhance the EGEDA members' capability in end-use data collection through an energy consumption survey and to learn the fundamentals of energy efficiency indicators.
- ❑ An avenue to learn from the members' experiences in collecting end-use data through sharing best practices.
  - Where and how to collect the indicators;
  - How indicators help in policy making;
- ❑ Knowledge sharing from economies' respective statisticians on survey design and implementation, including sampling design, questionnaire design, and survey methodology, among others.
- ❑ Develop a survey questionnaire that can be used for pilot testing



# 1-Break-out sessions (1)

## Warm and cold economies

- ❑ This session intends to impart how the survey is designed and implemented. The end product will be an energy consumption survey design that the members can implement.
  - The questionnaire workshop will initially focus on indoor climate control systems and lighting technologies.
- ❑ The participants will be grouped into **warm and cold climate economies\***.
- ❑ This session will develop sample questions to be asked for economies with cold or hot climate groups.
  - ✓ Identify all indoor climate control systems for household use  
*(Sample questions: At what time does the cooling or heating system run? How long has it been running? Which room has the cooling or heating system? What is the floor area of the room?, etc)*
  - ✓ Identify all lighting systems  
*(Sample questions: How many rooms and how many lights per room? What is the floor area of the room? At what time is the light open? Do you turn off the light when not in use?, etc.)*



## 2-Break-out sessions (1)

### Warm and cold economies

- Pre-testing of the questionnaire when completed
- Plenary will convene after breakout group discussion.

### \*Breakout groupings

Warm economy	Cold economy
Brunei Darussalam; Hong Kong, China; Indonesia; Malaysia; Mexico; Papua New Guinea; Peru; the Philippines; Singapore; Chinese Taipei; Thailand Viet Nam	Australia; Canada; Chile; China; Japan; Korea; New Zealand; Russia; United States



# 1-Break-out sessions (2)

## Emerging and developed economies



- ❑ This breakout session continues with a specific emphasis on household systems such as kitchen appliances, laundry equipment, and entertainment technologies.
- ❑ The participants will be grouped into emerging and developed economies.\*
- ❑ This session will develop sample questions to be asked for all appliances and technologies for household use.
  - ✓ Identify all appliances and technologies for household use by members
  - ✓ Identify the capacity of each appliance

*(Sample questions: How many appliances of each type are there? At what time is the appliance used? Do you consider appliance labelling/rate when buying the appliance?, etc)*

# 2-Break-out sessions (2)

## Emerging and developed economies



- Pre-testing of the questionnaire when completed.
- Plenary session will convene after breakout group discussion.

### \*Breakout groupings

Emerging	Developed
China; Indonesia; Malaysia; Mexico; Papua New Guinea; Peru; the Philippines; Thailand; Viet Nam	Australia; Brunei Darussalam; Canada; Chile; Hong Kong, China; Japan; Korea; New Zealand; Russia; Singapore; Chinese Taipei; United States;

# Closing thoughts

- ❑ The 23<sup>rd</sup> APEC Energy Statistics Workshop serves as Phase I of a household energy consumption survey project. The final output would be a draft survey questionnaire for the household energy consumption survey.
- ❑ Two economies or volunteer economies will be selected to conduct the pilot survey, which will be Phase II of the project, using the draft survey questionnaire.
  - Ideally, Phase II or the survey should be conducted between 2025-2027; e.g.
    - 2025 – planning stage;
    - 2026-mid 2027 – survey
- ❑ Phase III or the pilot survey's results, will be presented during the APEC Energy Statistics workshop in 2027.
- ❑ Looking forward to the pilot survey being developed into a full survey in the future, and more economies submitting a fully accomplished energy efficiency template.

# Thank you for your kind attention.

<https://aperc.or.jp>

<https://www.egeda.ewg.apec.org>

