

Capacity Building on Energy Performance in APEC region through ISO 50001 Energy Management System Standard

Presented by Thailand Economy

Co-Sponsoring Economies: Philippines

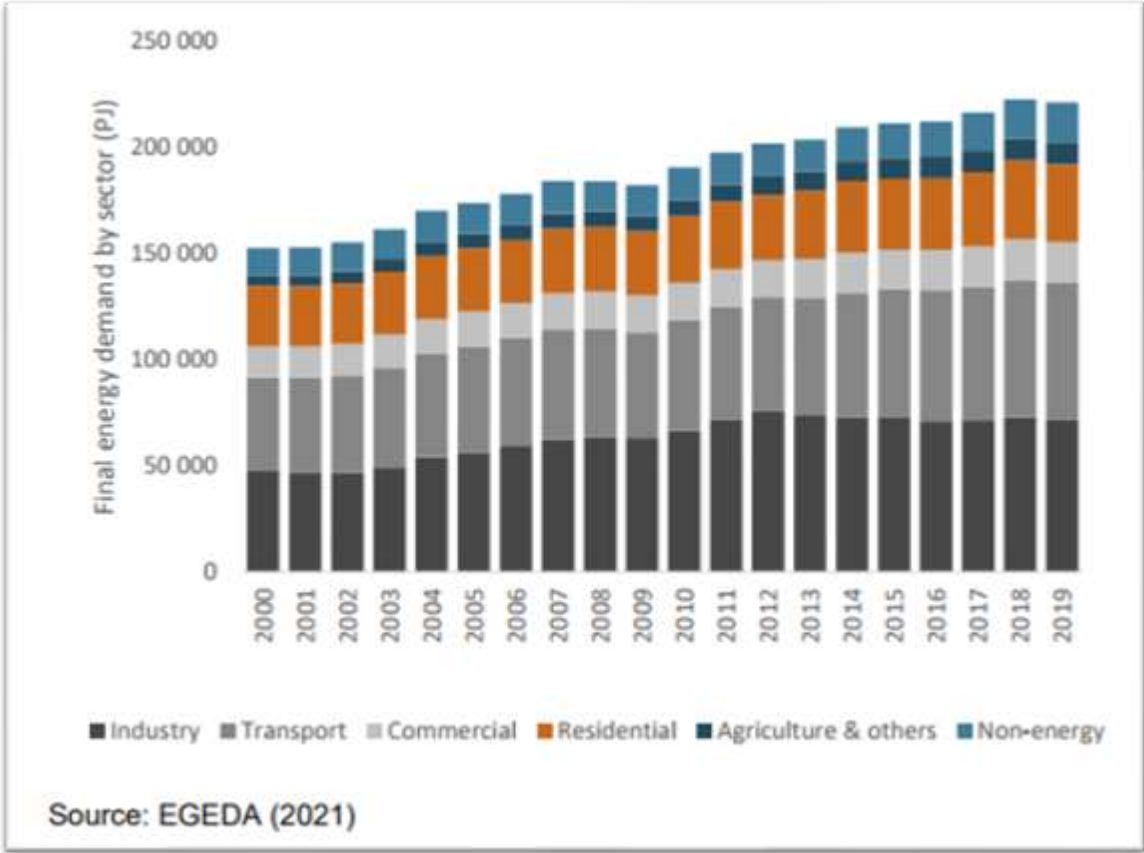
**The 60th Meeting of APEC Expert Group on Energy Efficiency & Conservation
(EGEEC 60)**

Capacity Building on Energy Performance in APEC region through ISO 50001 Energy Management System Standard

I. Background

- ‘*APEC Energy Vision – Post 2020*’ has major goals in **reducing energy intensity by at least 45 percent by 2035**.
- In line with APEC’s goals and **EWG’s Strategic Plan for 2019 – 2023** in **promoting energy efficiency** and low-carbon communities
- APEC Economies consume approximately 60 percent of the world's energy with the **industry sector accounted for the largest share of APEC energy consumption** for the last two decades, peaking at a 38% share in 2012.
- **Energy Management** – the process of developing and implementing an energy policy, setting achievable targets for energy use, and designing action plans to reach them and measure progress – is crucial as a foundation toward achieving higher level of energy efficiency
- So this project aims to **build capacity on energy performance in the industry sector by using an energy management system - ISO 50001 as a guideline**. The result of the project will lead to **reducing energy efficiency** and **net-zero/carbon neutrality achievement** among APEC member economies.

APEC final consumption by sector, 2000 to 2019



Capacity Building on Energy Performance in APEC region through ISO 50001 Energy Management System Standard

II. Objectives

- to **enhance knowledge of energy performance improvement** of the **factories and buildings** according to international standards.
- to **evaluate the result of energy performance improvement** of the factories **and buildings**.
- to **establish a report summary and publish it to other factories and buildings in APEC member economies to use**.

III. Total amount being sought from APEC (USD): 100,000

V. Key Outputs

- Factories and buildings understand the concept of energy performance improvement by using ISO 50001 as a guideline and **improve their energy performance** systematically.
- **Report summary** of energy performance improvement and **best practice guidebook** that can be published for other enterprises in APEC member economies **to use**.
- **Experiences sharing** of energy performance improvement among APEC member economies for further action.

IV. Key Activities

