



Asia-Pacific
Economic Cooperation

The 64th Meeting of the APEC Expert Group on Energy Efficiency & Conservation (EGEEC 64)

On-going Projects (Session 2, 2024)

Electric Fans Energy Efficiency Improvement in APEC Region: Review of Experience and Best Practices

EWG_206_2024A

Co-sponsoring economies:

Japan, Korea, Thailand, Viet Nam

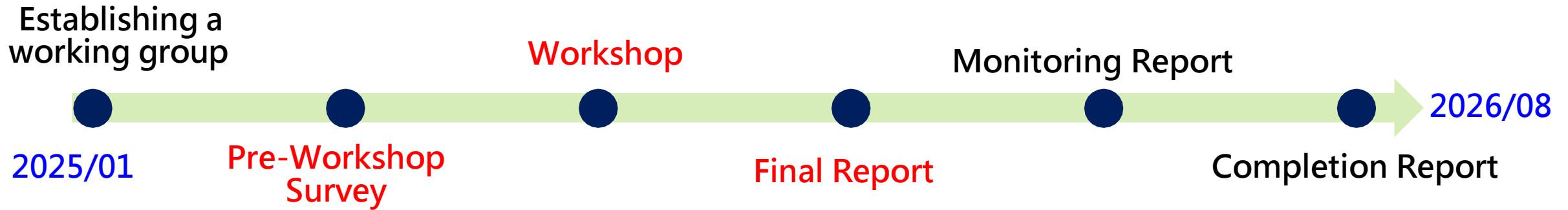
Chinese Taipei

10 April 2025 @ HKC

Objectives

1. Assess energy efficiency management and policies for electric fans to develop policy recommendations for APEC economies.
2. Choose a relevant case study to investigate strategies for increasing the market share of high-efficiency electric fans.
3. Examine current energy-saving technologies for electric fans within the context of energy efficiency regulations.
4. Share project results, best practices, and gather feedback throughout the APEC region.

Workplan



- **Pre-Workshop Survey** : Reviews energy efficiency and testing standards for electric fans in Southeast Asia to guide policy.
- **Workshop** : One-day event with expert talks and policy sharing; results summarized in a report.
- **Final report** : Combines findings to share best practices and recommendations for improving fan efficiency across APEC.

Pre-Workshop Survey

- **Policies & Management Systems :**
Covers government policies on electric fan energy efficiency, including responsible agencies, standards, and labeling.
- **Testing Methods :**
Reviews current testing methods, alignment with IEC 60879, and future plans, including bladeless fan testing.
- **Fan Motors :**
Collects data on DC motor fan usage and estimates their market share.

Expected Outcome

- Participants from developing economies will enhance energy efficiency programs through a post-event evaluation to assess the workshop's benefits for these economies.
- The workshop will share successful lessons in energy efficiency experiences, improving APEC's overall energy management learning.
- Project Outputs will include :
 - 1) A Project Workshop
 - 2) A Research Report
 - 3) A Project Completion Report



**Thank you for your
time and attention.**



Background

- **In APEC Putrajaya Vision 2040 [Driver 3:Strong, Balanced, Secure, Sustainable and Inclusive Growth] :**

Promoting economic policies, cooperation, and growth to support global efforts in comprehensively addressing all environmental challenges, with the objective of intensifying inclusive human resource development, as well as *economic and technical cooperation*, to better equip our people with the skills and knowledge for the future.