

Host Year Priorities

Republic of Korea

4 Expert Group Joint Meeting
9th March, 2025

Contents

- Host Year Priorities
- Agendas for 2025 APEC Energy Ministerial Meeting
- EMM and EWG Meetings

APEC 2025 Korea: Building a Sustainable Tomorrow



Connect

Strengthening physical, institutional, people-to-people connectivity across the Asia-Pacific Region

Innovate

Building an inclusive and sustainable technological ecosystem that benefits all through innovation

Prosper

Fostering energy transitions and sustainable growth in the Asia-Pacific region and achieving inclusive growth by promoting active economic participation of all

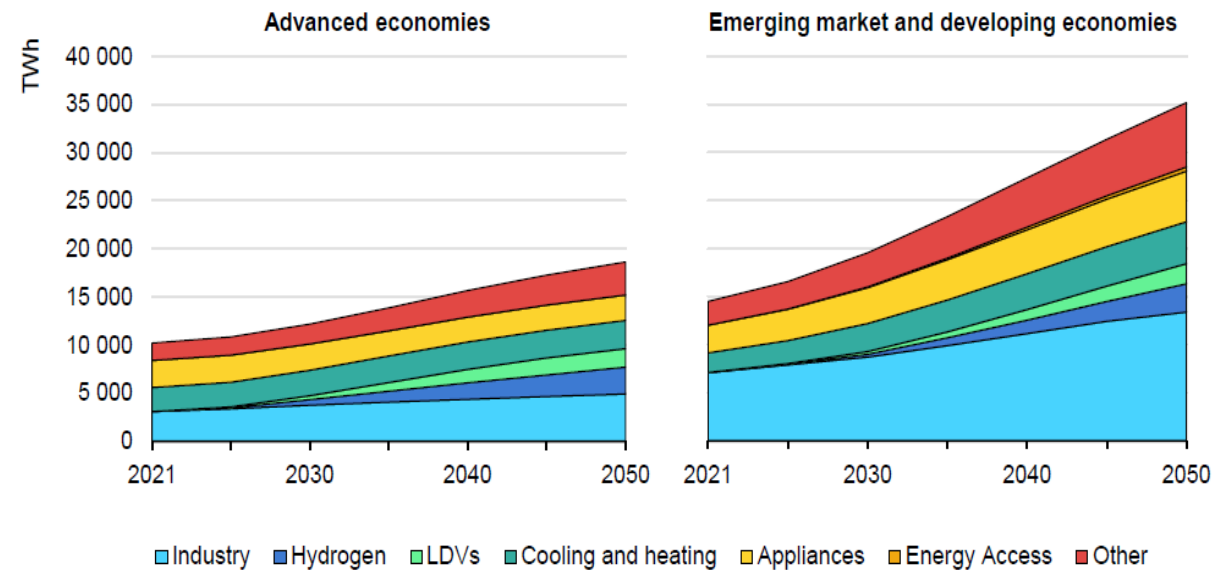
**“Building
a Sustainable
Tomorrow”**

(1) Expanding Clean Electricity through Utilizing Carbon-Free Energy (CFE) Technologies

Prosper

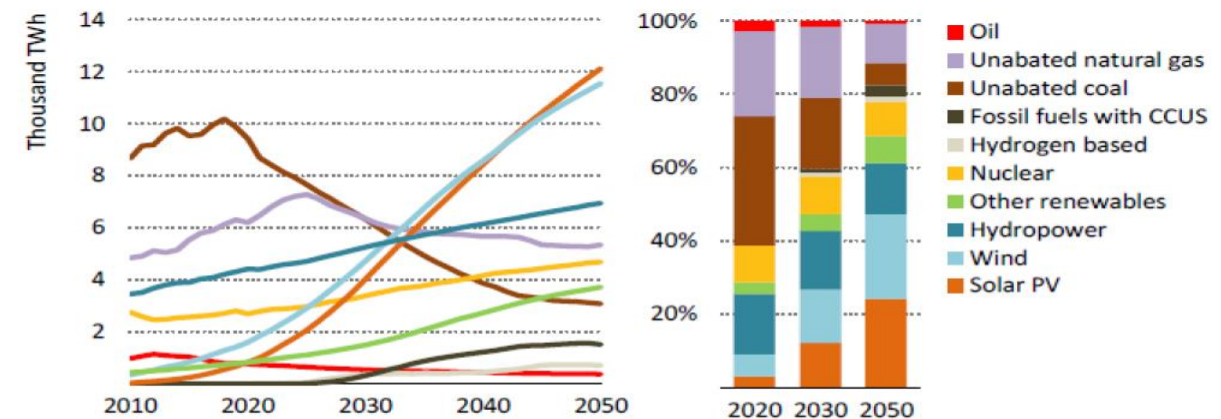
- Increasing electricity demand highlights the necessity of expanding Carbon-Free Energy technologies.
- Expanding clean electricity requires the adoption of **diverse Carbon-Free Energy technologies**, not just relying on renewable energy alone.

<Electricity Demand in the Announced Pledges Scenario, 2021-50>



Source: IEA

<Electricity generation by source in the Asia-Pacific Region(APC)>



IEA. All rights reserved.

Renewables reach new heights in the APC, rising from just under 30% of electricity supply in 2020 to nearly 70% in 2050, while coal-fired generation steadily declines

Note: Other renewables = geothermal, solar thermal and marine.

(2) Strengthening Grid Security for Stable and Reliable Energy Supply

- Accelerating Electrification across all sectors **requires a stronger, more advanced Grid Innovation.**
- To support the increasing share of clean electricity, **Modernization and Expansion of Grid Infrastructure** are key to enhancing stability and efficiency.
- Deploying **Energy Storage Systems (ESS)** is essential to strengthening grid reliability, flexibility including a balance between supply and demand.
- **Grid Security** enables **Energy Access** to affordable, reliable, sustainable and modern energy for all.
- The innovation and modernization of grid infrastructure are essential for integrating increasing amounts of variable renewable energy, ensuring energy security, and supporting economic growth across the APEC region.

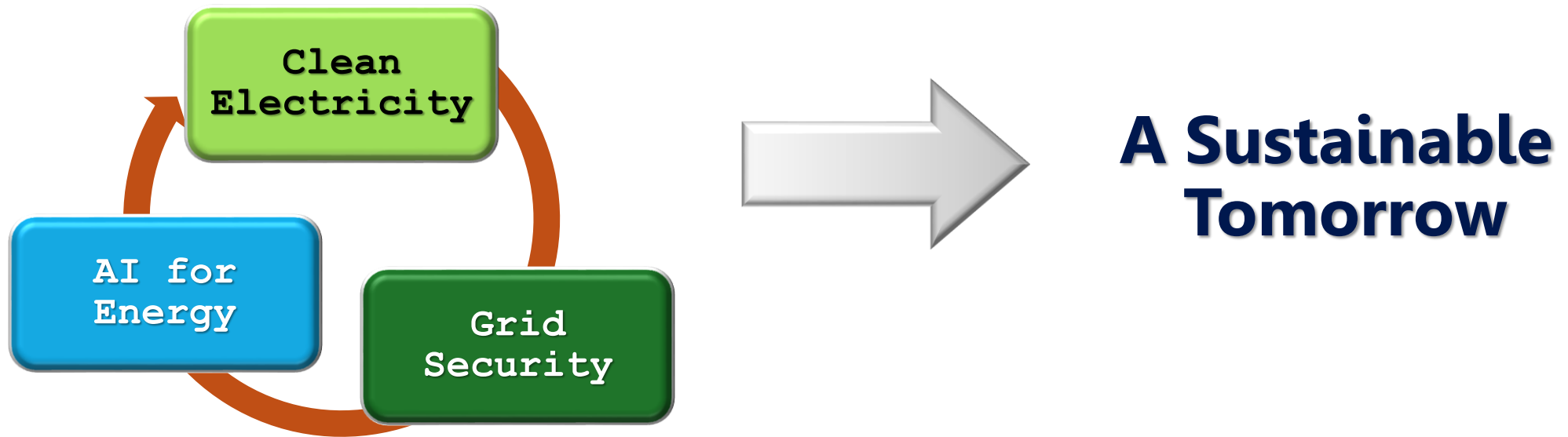
(3) Powering the Future: AI-Driven Energy Innovation

Innovate

- As expansion of CFE technologies, electrification acceleration, and grid modernization progress, **Managing Energy Demand** becomes increasingly essential.
- **AI technologies** enables **Energy Consumption Optimization** by facilitating energy data digitalization and innovative demand management.

[**Clean Electricity** - **Grid Security** – **AI**] are organically interconnected

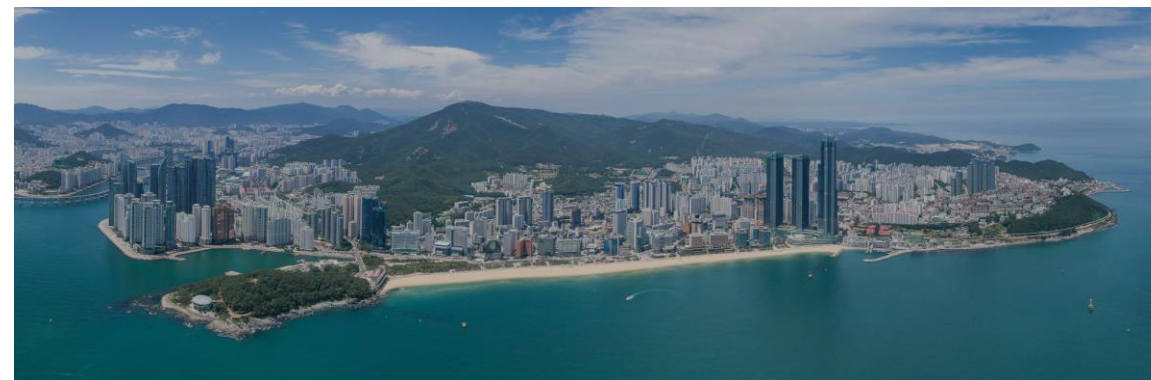
- **[Clean Electricity-Grid Security-AI for Energy]** are organically interconnected, enabling a cleaner and more sustainable tomorrow.



The 70th Energy Working Group meeting



- Dates : August 25-26, 2025
- Location : Paradise Hotel Busan,
Busan, Republic of Korea



Date	Time	Program(tentative)
'25.8.25	9:00-12:00	APERC & ER-TF Workshop
	13:00-18:00	EWG70 (Day 1)
'25.8.26	9:00-15:00	EWG70 (Day 2)
	15:30-18:00 (❶ or ❷)	❶ APEC Ministerial Statement Negotiation Session(<i>if needed</i>)
		❷ Site Visit OR Cultural Event
'25.8.27	9:00-14:00	APEC Ministerial Statement Negotiation Session(<i>if needed</i>)

The 15th APEC Energy Ministerial Meeting

- Dates : August 27-28, 2025
- Location : Nurimaru APEC House & Paradise Hotel, Busan, Republic of Korea

Time	Day 1 Program(tentative) APEC House	Time	Day2 Program(tentative) Paradise H.
16:00-18:00	Ministerial Opening Session	9:00-10:30	EMM Thematic Session 1
		10:30-11:00	Coffee Break
		11:00-12:30	EMM Thematic Session 2
Dinner Reception	Welcoming Reception (Cocktail Hour)	12:30-14:30	Luncheon
		14:30-16:00	EMM Thematic Session 3 Closing Session

※ CEM16/MI-10(26-27 Aug) & World Climate Industry Expo(27-29 Aug) will be held in tandem with the APEC Ministerial.



Thank you