5. Report on APERC research activities

32nd Meeting of the APEC Expert Group on Energy Data and Analysis (EGEDA)

Hosted by People's Republic of China; 12-13 October 2021

Glen **SWEETNAM**

Senior Vice President, APERC

Schedule summary

	Q4 2019	Q1 2020	Q2	Q3	Q4	Q1 2021	Q2	Q3	Q4	Q1 2022	Q2
※ Scenario review	X										
Model development	X	X	X								
※ Assumption review			X								
Current Policy modeling			X	X	X						
※ Current policy review					X	X					
Announced Policy Modeling						X	X				
Climate Change Modeling						X	X				
※ External review							X				
Drafting							X	X	X	X	
Editing									X		
※ Report review										X	
※ Publication										X	X

Detailed view

Task	Sub-tasks	Date
Current Policy modeling	Model development and data validation Internal reviews EWG External reviews	Q2-Q4 2020 Q4 2020 Dec 7-11 Dec 18 – mid January 2021
Announced Policy modeling	Update policies Model runs	Q4 2020 Q1 2021
Climate Change modeling	Scenario development Modeling	Q4 2020 Q1-Q2 2021
Model review	Internal and external reviews	Q2 2021
Drafting	Format and Outline Select layout expert; editor Writing and Internal review	Q4 2020 – Q1 2021 Q3 2021 – Q1 2022 Q3 2021
Report Review	External review Respond to comments	Q3 2021 Q3 2021
Editing	Editing Respond to comments	Q4 2021 Q4 2021
Publication	EWG endorsement & release	Q1 – Q2 2022

8th edition scenarios

Current Policies	Announced Policies	Climate Change
This scenario shows a continuation of **current trends and policies in effect** without any additional policy interventions. It serves as a **reference** for the two alternative scenarios.	This scenario includes current and **announced** policies that have not been implemented, and **targets and goals**.	This scenario presents a decarbonization pathway consistent with a **2DC** future under the Paris Agreement. It identifies the **additional level of ambition and policy packages** for carbon management.

Notes: Projections are 2020 annual through 2050. Macro-economic assumptions are constant across scenarios.

Current policies are those that are active in law, regulation, and/or implementation. Current policies do not include targets, goals, or other policy proposals that may have been announced but not implemented.

Announced policies include targets and goals, and policies that are not yet under implementation.

The **Climate Change** scenario will follow an APEC-wide carbon budget in line with a pathway compatible with 2DC.
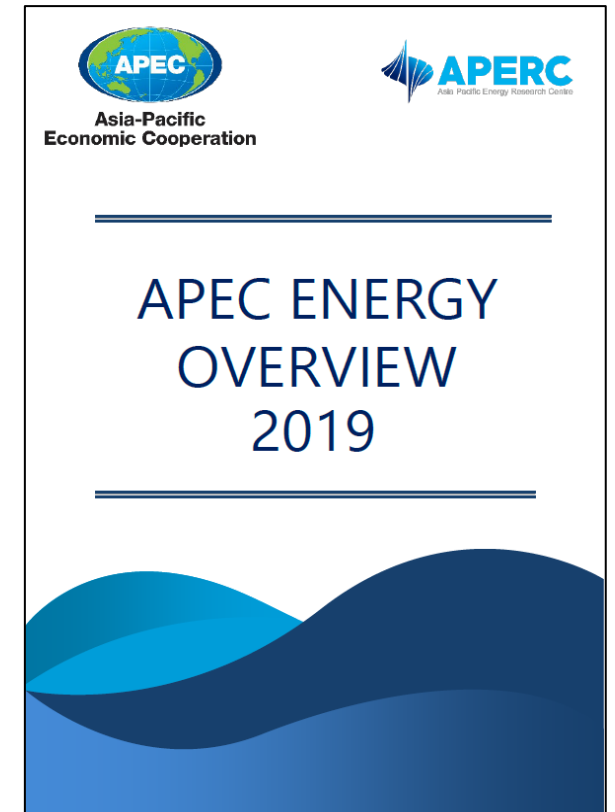
APEC Energy Overview

❑ **History**
- The *APEC Energy Overview* series started in 2000 with the approval of EWG19, to help policymakers with useful information and deepen understanding on energy issues in the APEC region
  - o Showcasing EGEDA data
  - o 19 editions since 2000
- Contains updated energy demand/supply data as well as descriptions of energy policy and Notable Energy Developments
- Progress of APEC goals has been tracked and analysed in each year:
  - o energy intensity since 2014
  - o renewable share since 2017

❑ APEC Energy Overview **2021** (renamed from APEC Energy Overview **2020**)
- Assignments and schedule – in sync with Outlook economy assignments and scheduling
- Reformatted (more graphics)
- Currently undergoing APEC EWG endorsement

❑ **2022** Overview
- Processing of 2019 data is ongoing

APEC
Asia-Pacific
Economic Cooperation

APERC
Asia Pacific Energy Research Centre

APEC ENERGY
OVERVIEW
2019

APERC
Asia Pacific Energy Research Centre

Independent research projects

Report
Fossil fuels (oil, gas, coal)
Green Energy Finance: Feed-in tariffs
ASEAN/Greater Mekong Power Grid
APEC OGSE Model Procedure: Update
Analysis to evaluate the feasibility of raising the APEC energy intensity goal. Analytic results will be presented at EGEEC 57 in October
Renewable Energy in APEC Low-Carbon Model Town Project
Estimating end-use energy demand in APEC economies using machine learning algorithms
Impact of COVID-19 on Energy Security (OGSS)
Environmental justice at Quang Ninh prefecture

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Cooperative projects

Report
Peer Review on Energy Efficiency (PREE)
Low Carbon Energy Projects (PRLCE, LCMT)
Energy Security Projects (OGSI)

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Thank you for your kind attention.

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