

International Nuclear Energy Symposium

Cecilia Tam Deputy Vice-President APERC

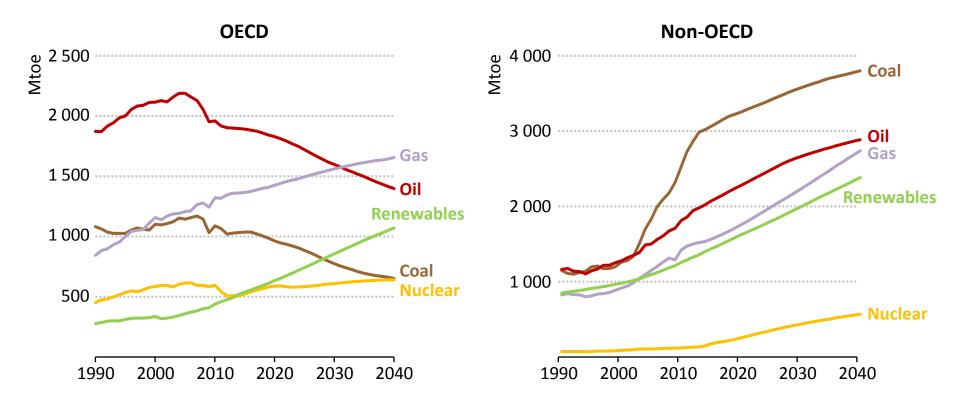


Asia-Pacific Economic Cooperation

Changing dynamics of global demand



Energy demand by fuel

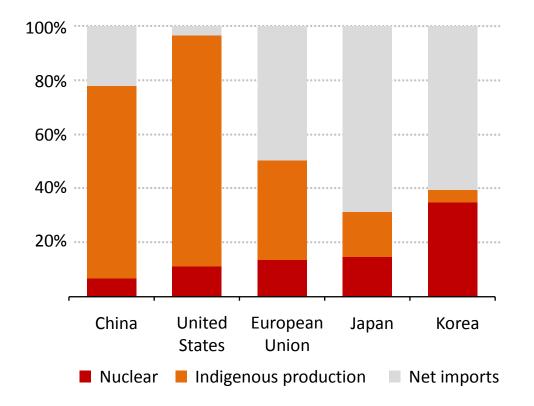


A flat demand in OECD disguise a fast changing energy mix, while developing countries thirst for all energy sources keeps increasing

Nuclear power & energy security

World Energy Outlook 2014

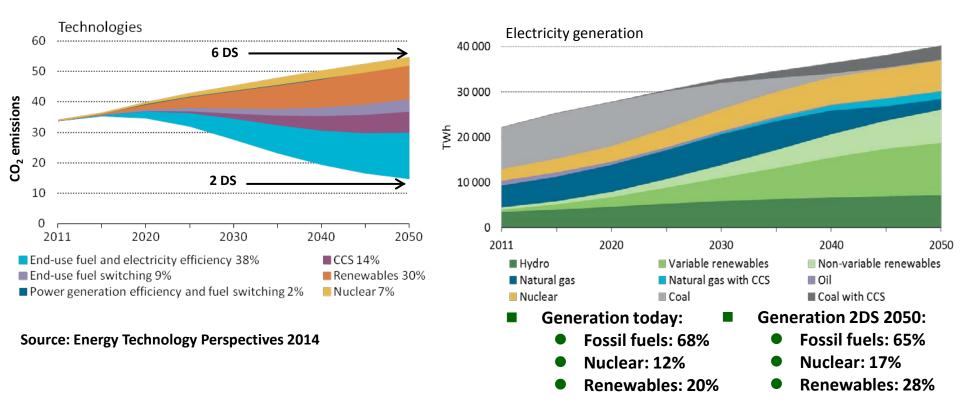
Share of energy demand met by domestic sources and nuclear power in 2040 in the NPS



Nuclear power cuts dependence on foreign fuel supplies & lowers import bills for some countries



Decarbonising electricty generation

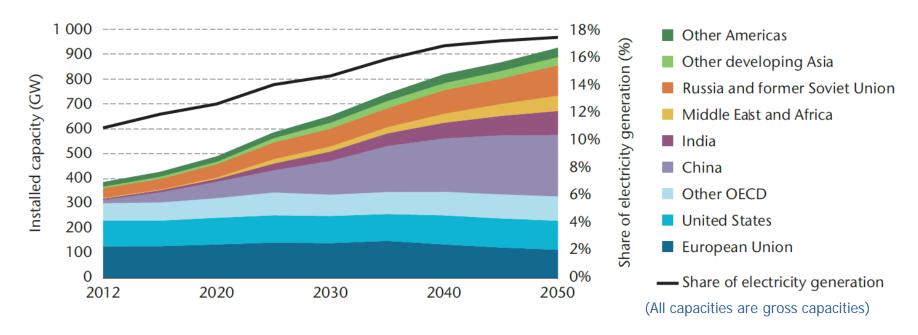


6° C Scenario – business-as-usual; no adoption of new energy and climate policies

2°C Scenario - energy-related CO₂-emissions halved by 2050 through CO₂-price and strong policies



Nuclear in the 2°C Scenario (2DS)



- 930 GW by 2050 (down from 1200 GW)
- 17% share electricity (down from 24%)
- But still a formidable challenge (multiply current capacity by 2.3 in 35 years)

IEEJ: May 2015. All Rights Reserved.

Nuclear in APEC

Nuclear country with new build plans	Nuclear country with no plans for new build	New nuclear country
China	Canada	Indonesia – plans but not yet committed
Korea	Japan	Malaysia – studying feasibility
Russia	Mexico	Thailand – plans but not yet committed
Chinese Taipei		Vietnam – preparing for construction
United States		

- Currently 250 GW of nuclear in APEC, just under 2/3rds of global installed capacity
- Energy security, environment and affordability are key drivers for new nuclear countries
- High Nuclear Case to be developed for 6th edition of the APEC Energy Demand & Supply Outlook



Thank you

Contact: report@tky.ieej.or.jp