2. Toward APEC Energy Demand & Supply
Outlook 6th Edition

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An A 28 year look ahead (2012-2040) assuming business-as-usual and several alternative cases

- Project energy supply by fuel and demand by sector, electricity generation by fuel; installed generation capacity, CO₂ emissions, energy intensity

- Published in two volumes:
  - Volume 1: Sector discussions
  - Volume 2: Individual economy discussions
Outlook Model Structure

KEY ASSUMPTIONS
- Macroeconomic Data
- Oil Prices
- Domestic Fossil Fuel Production
- Biofuel Content of Liquid Fuels
- Own-Use Rates
- Heat Production Market Shares and Efficiencies by Fuel
- CO₂ Emission Factors

Industrial and Non-Energy Demand Model
Transport Demand Model
Other Sector (Residential/Commercial/Agricultural) Demand Model
Electricity Supply Model

RESULTS TABLES
- Macroeconomic Data
- Energy Production and Imports
- Own Use and Transformation Losses
- Final Energy Demand
- Energy Intensities
- CO₂ Emissions
Outlook Model Enhancements Finished

- Transportation Fleet Model
  - Dr. Atit Tippichai
- Electricity Supply Model
  - Takashi Otsuki
- Investment Model
  - Parminder Raeewal
- Residential, Commercial, & other Demand
  - Dr. Yeong-Chuan Lin
- Industry Model
  - Kensuke Kanekiyo & Tran Thi Lien Phuong
Outlook-Related Work Nearly Finished

- Topical Work
  - Barriers to Shale Gas Development
  - Barriers to Geothermal Electricity Development
  - Benefits of Electricity Interconnection in Northeast Asia

- Cooperative Work with IEEJ
  - Nuclear & Renewables Projections
Business-As-Usual Definition

• Includes existing policies
  • Necessary legislation has already been passed & there is little uncertainty that the policy is going to happen

• We do not include “targets,” “goals,” or policy proposals whose implementation is uncertain or not well defined
Schedule for Outlook 6th Edition

• December 2014 – January 2015: Models results for BAU & alternative cases finalized
• February-April 2015: Writing & editing process

• Mid-year 2015: External reviews begin