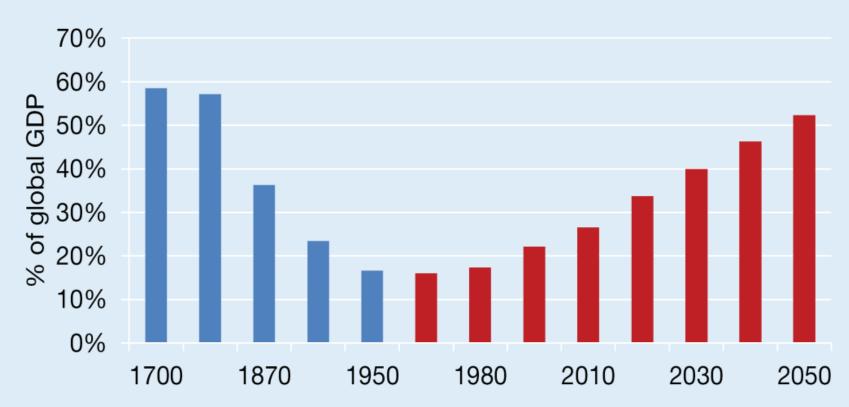
ADB's Energy Efficiency Activities

Aiming Zhou Senior Energy Specialist Asian Development Bank



21st Century -- Asian Century

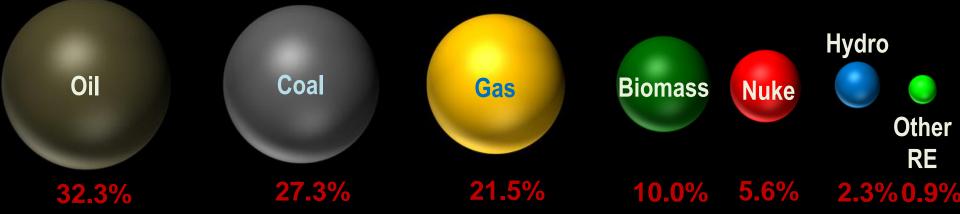
Asia's share of global GDP, 1700-2050



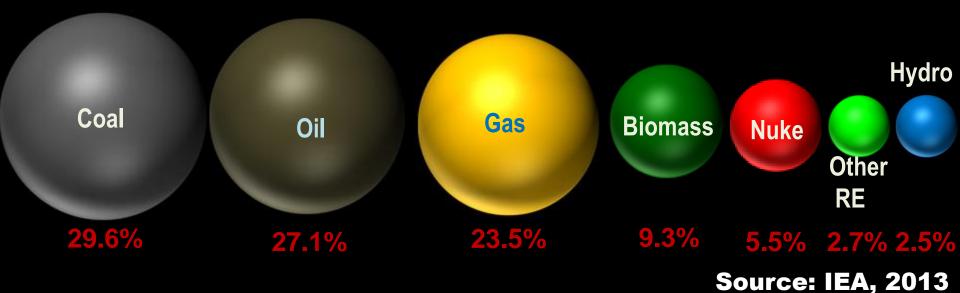
Source: Maddison (1700–1950) (2007); Centennial Group International estimates (1951–2050) (2011). Data for 1750–1790 are PPP and data for 1991–2050 are in market prices.



Global Energy Outlook: Next Two Decades 2010: 12,730 MTOE

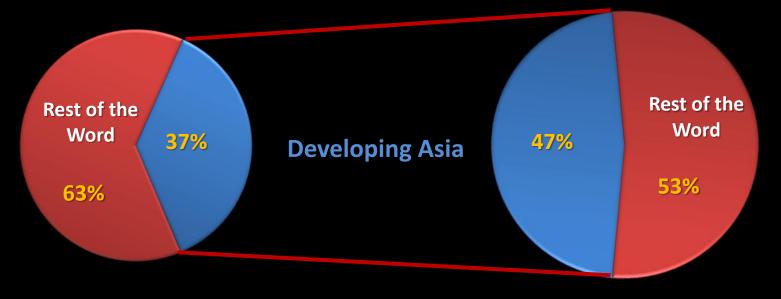


2035: 18,677 MTOE



Developing Asia: 2010 vs 2035

Share in Global CO₂ Emissions from Energy Consumption



2010

Actual (World)

Total = 31,305 million tons CO₂

2035

Projection (World)

Total = 43,220 million tons CO₂

Source: ADB, APERC 2013

2009 Energy Policy (Three Pillars)

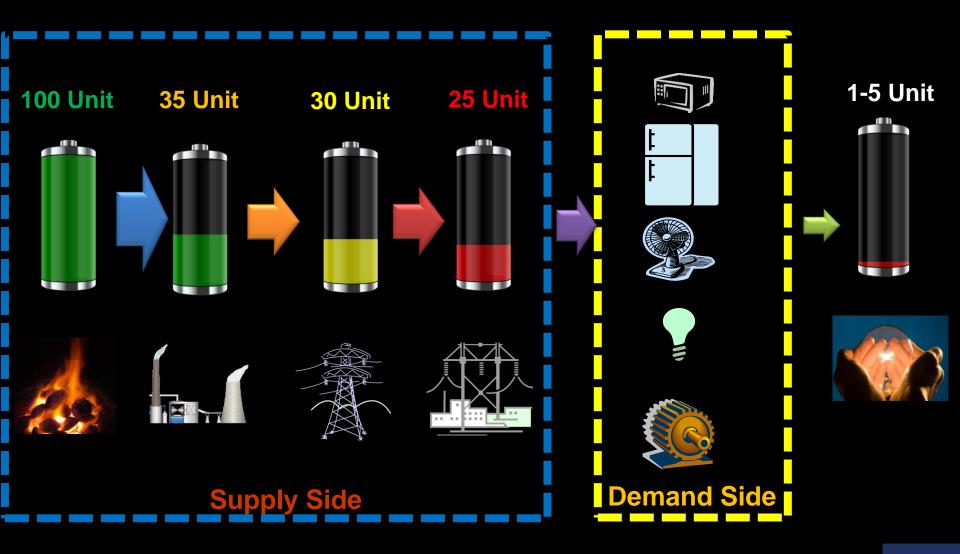
Promoting energy efficiency and renewable energy

Maximizing access to energy for all

Promoting energy sector reforms, capacity building, and governance



Energy Flow





Energy Efficiency Matters

In Developing Asia

By 2020 "Investment needed to meeting national targets in PRC, India and Southeast Asian countries totaled \$943 Billion; of which, 92% in PRC, 7% in India and 1% in Southeast Asia."

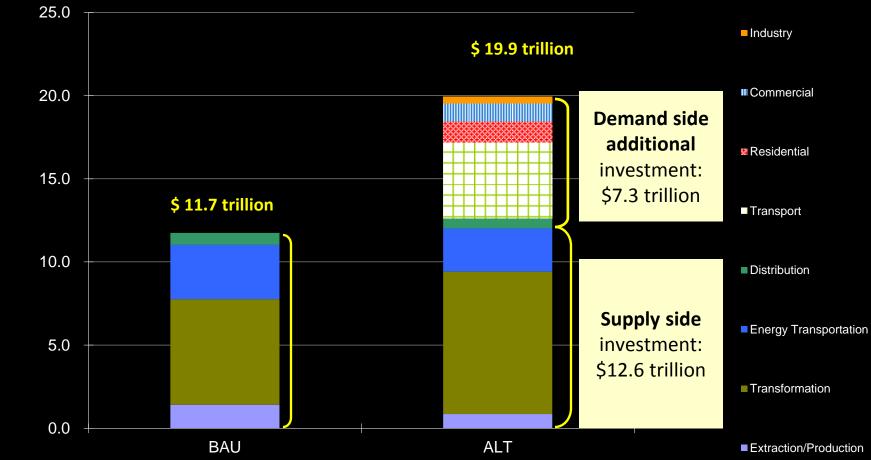
By 2030 "Investments of 1%-4% of overall energy sector spending can meet up to 25% of the projected increase in primary energy consumption"

ADB has pledged new focus to support greater demand-side energy efficiency in developing Asia

Source: ADB, "Same Energy, More Power", 2013

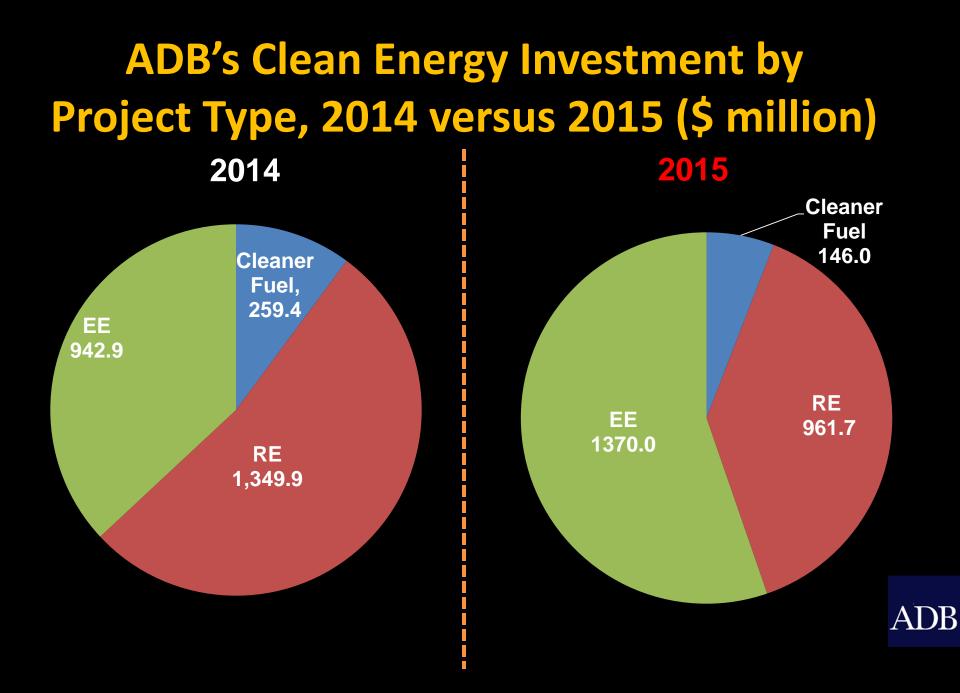


Energy Saving Potentials in Asia



Investment requirements for BAU and Alternative Cases

ADB

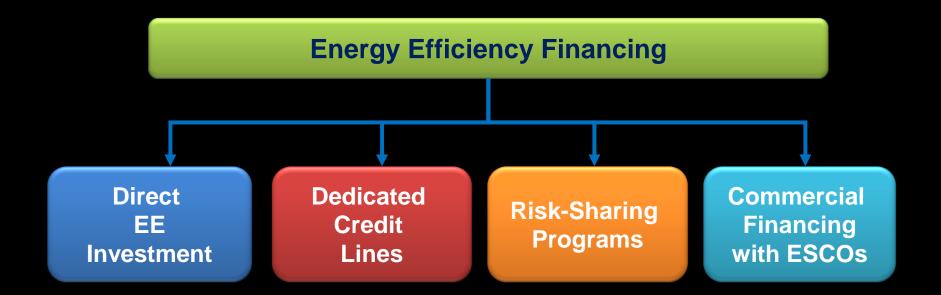


Expanding Energy Sector Operations

- Overall energy sector lending currently at about \$3-4 billion per year.
- With OCR/ADF merger, the lending in the energy sector is expected to reach \$5 billion per year by 2017.
- Climate finance/clean energy lending portfolio of \$3 billion per year by 2020.
- Mobilize climate and other co-financing (e.g. Green Climate Fund, Clean Investment Funds)
- \$95 million available for allocation under Clean Energy Financing Partnership Facility (CEFPF) to support Operations (grants, PPTAs, CDTAs, RETAs)

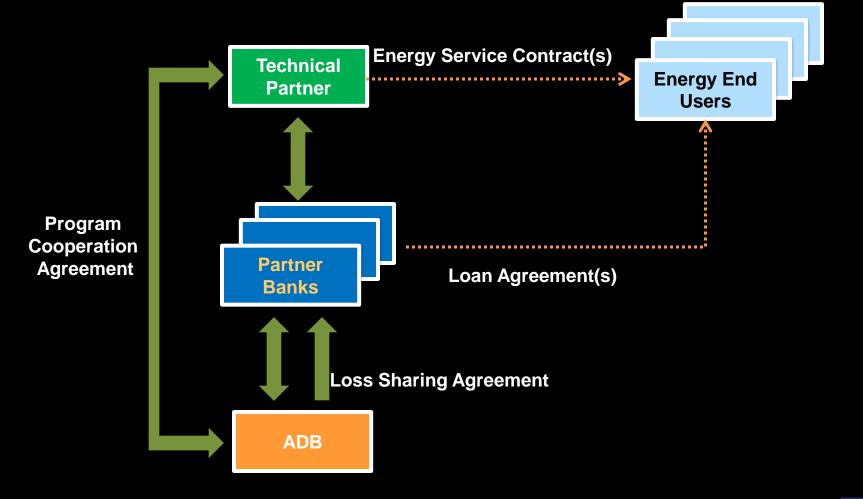


Financing Mechanisms





PRC Case: Energy Efficiency Multi-Project Finance Program





Thank You !

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