Agency of Research and Development for Energy and Mineral Resources

Ministry of Energy and Mineral Resources

Republic of Indonesia

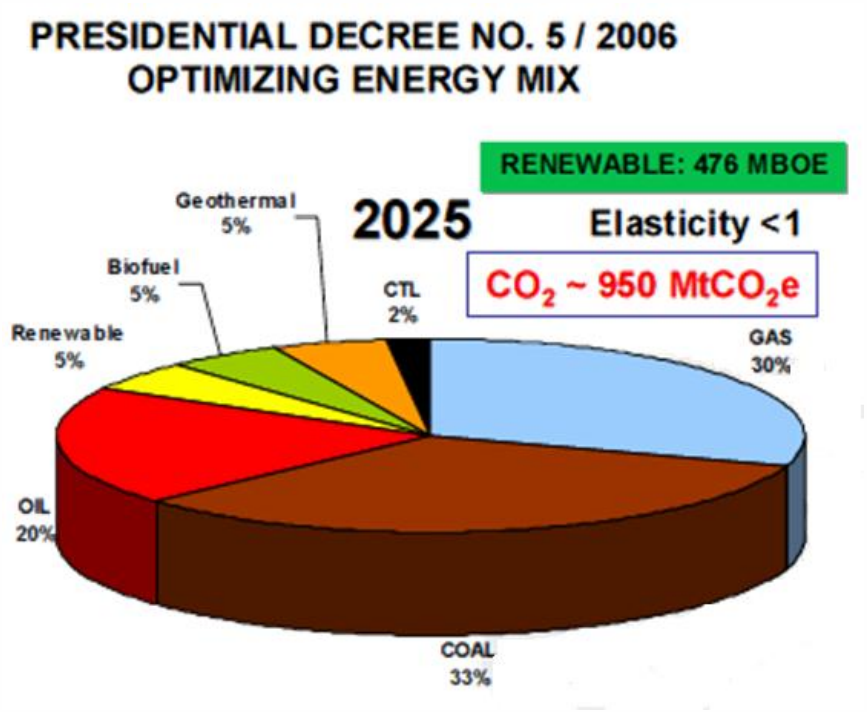
Status of CCS Effort in Indonesia

Delivered at
Carbon Capture and Storage (CCS) Workshop:
From Research to Reality

The Sultan Hotel

22 February 2011

Background



- Energy mix improvement for 2025 is still dominated by fossil fuel
- As a result of objective function of Energy mix improvement :

  The energy sector can achieve 950 Mt CO_2 reduction in 2025 from 1150 Mt in BaU

- In 2005, CO_2 emissions from the energy sector 293.3 Mt with average growth of 6.6% per-year
- GoI's non-binding commitment to reduce country emissions to 26% in 2020
- Current efforts are considered still insufficient to achieve CO_2 emissions abatement target in 2020
  - energy mix improvements
  - the switch to less-carbon intensive fuels
  - renewable resources deployment
- It is imperative for Indonesia to investigate options for CCS

CCS Efforts in Indonesia

- Enhancing R&D on CCS by developing R&D Roadmap:
  - Mapping & Identification of Potential Storage Sites and CO_2 Sources
  - Integrating CO_2 management in low-rank coal utilization
- Joint study on CCS potential with industries:
  - Sojitz & Mithsubishi (2005); Total Indonesie (2007); & Shell Exploration Company B.V (2008)
- Actively involved and taking action in international CCS activities:
  - Joining as a founding member of Global CCS Institute
  - Participating in CSLF, SBSTA, AWG-KP Meeting and GHGT Forum
  - Sending CCS Submission to UNFCCC and Supporting CCS at COP
- Collaborate with World-wide Organization:
  - IEA, ADB
- Disseminating R&D results by
  - Publishing on scientific journal, posters and etc.
- Hold workshop to increase public awareness

Concluding Remarks

- Deployment of CCS in Indonesia is aligned with national energy policy and GoI's commitment to reduce 26% country emission
- New coal power plant is potentially fitted with capture system
- The utilization of CO_2 in petroleum industry particularly for enhanced oil recovery (EOR) is highly encouraged in achieving national oil production target
- Enabling the development of highly contaminated gas fields e.g. Natuna D alpha

Thank You