

Future Plan of Annex II for Cooperation in the Area of Clean Fuels between US and China

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Continue Current Annex II Activates

- Regular communication between DOE and NEA
- Hold US-China Clean Energy Workshops
 - Coal conversion and CCS workshop in China in 2011
- Joint Researches (next slide covers details)
- Trainings for the Chinese officials
 - Short training for the Chinese provincial DRC officials
 - Management training for the Chinese energy sector
 - Technical trainings for: mine safety, land reclamation, CO2 management, and clean coal technology
- Support business collaboration between US and China's energy companies

Continue Current Joint Researches

- Shenhua—WVU Joint Research
 - Long term economic and environmental analysis of Shenhua DCL plant
 - CO₂ sequestration associated with Shenhua DCL plant
 - Study on integrated DCL and ICL process
 - Use CO₂ from Shenhua DCL plant for algae production test
 - Modeling CO₂ behavior in deep saline water(Shenhua deep wells)
- ChinaCoal—WVU joint research on coal-biomass pyrolysis and gasification
- Luan Group—WVU joint research on synthesis technology from coal-biomass derived syngas

New Proposed Collaborations

- Pre-feasibility study of Oxyfuel power plant (300MW) and related CO₂ sequestration in Shanxi by Shanxi International Energy Group (SIEG), Air Products, and WVU
- CTL development in WV by the Chinese and US companies
- Develop educational exchange on energy between WVU and Chinese universities
- Collaboration between WVU and Shuozhou city government
 - Develop mine land reclamation and mine water reuse demonstration project in Shuozhou, Shanxi Province
 - Help with the planning of Shuozhou coal chemical industrial park
 - Support Shuozhou to build the Energy Institute