WVU’s China Program

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October 27, 2015
Presentation Overview

- Coal Research and Development Programs
- Communications
- Training
- Business Development
- General University Programs
US-China Clean Energy Research Center (CERC)

CERC Programs
- Building Efficiency
- Clean Coal *
- Energy – Water Nexus
- Transportation Vehicles
- Heavy Duty Vehicles

• $5 M / year (equal match of federal and cost share funding)
• WVU funded for 10 years

* Advanced Coal Technology Consortium (ACTC)
ACTC Program Goals

• Conduct collaborative advanced R&D with Chinese counterparts
• Develop technologies with commercial potential
• Promote technical information exchanges between the industry and academic communities in both countries
WVU Projects Under ACTC Phase II

- Chemical looping combustion with calcium – iron based oxidizers
WVU Projects Under ACTC Phase II

- Staged pressurized oxycombustion modeling and experiments
WVU Projects Under ACTC Phase II

- CO2 injection into aquifers for enhanced water production
WVU Projects Under ACTC Phase II

- Determine effects of cycling on coal plants
WVU Projects Under ACTC Phase II

- Coal conversion to fuels and chemicals
WVU Projects Under US-China Energy Center

• Shenhua Direct Coal Liquefaction Project

[Image of three people standing in a construction site with the text: Shenhua Pilot Plant - Shanghai]
WVU Projects Under US-China Energy Center

- Yanchang CCUS-EOR Project
Communications

• US DOE Fossil Energy – China National Development & Reform Commission workshops on advanced coal technology

• Climate Change Working Group workshops

• Meetings with visitors
Training

• Mining technology classes at WVU
• Environmental Remediation classes (US & China)
• Executive training programs: DOE FE and Shenhua
Business Development

• Mining Expo meetings in US and China
• Assistance to local (Morgantown) industries on sale of mining equipment, and others
• Host visits to W.Va. and U.S. firms by Chinese investors
• Assist in leading delegations from W.Va. to meet potential Chinese customers in China
General University Programs

• Office of International Programs
• Center for Chinese Business & Confucius Inst.
• Ceramics in China (Creative Arts Center)
• Global Health Program – China Focus
• Chinese Studies – Eberly Arts & Sciences
• Extension Programs – 4H interactions
• Sister Cities and Sister States programs
Contact Information

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