

Recap of the Advanced Coal Technology Work Group Meeting on March 6th

Anna Marie Wood, U.S. EPA
March 29, 2007

Key Areas Discussed

- Concept of Advanced Coal Technology
- Barriers and Opportunities
- Prioritization of Barriers and Opportunities
- Actions to Address Prioritized Barriers and Opportunities

Advanced Coal Technology

- Reduces or eliminates the environmental impact of emissions, including CO₂, from coal-based production processes (e.g., electricity, fuels)
- Reduces CO₂ through efficiency improvements
- Reduces CO₂ through capture and sequestration
- Meets dynamic, technology forcing performance parameters

Prioritized Barriers and Opportunities

- Small group break-out
- Consensus-based selection of priorities
- Identified top three priorities
- Identified actions to address priorities

First Tier Priority Items

- Regulatory driver to reduce CO2 [2]
- Streamline/accelerate permitting related to ACT [2]
- Technical uncertainties [1]
- Commercial first mover projects to show it can work [1]

Second Tier Priority Items

- Regulatory driver to reduce CO2 [2]
- Financial risk: ACT is too costly when competing in dispatch order/PUCs require least cost of service [1]
- Liability and NUMBY on CCS [1]
- R&D not spent on critical issues/CCS R&D and geologic assessment dollars [1]
- Education and outreach for public & regulators [1]

Third Tier Priority Items

- Liability and NUMBY on CCS [2]
- Education and outreach for public and regulators [2]
- Viable loan guarantees [1]
- Long term off-take contracts [1]

Highest Priorities Based on Total Votes Received

- Regulatory driver for CO2 [4]
- Liability and NUMBY on CCS [3]
- Education & outreach for public/regulators [3]
- Streamline/accelerate permitting for ACTs [2]



Highest Priorities Based on Total Votes Received (cont.)

- Financial risk: ACT is too costly when competing in dispatch order/PUCs require least cost of service **[1]**
- Technical uncertainties **[1]**
- R&D not spent on critical issues/CCS R&D and geologic assessment dollars **[1]**
- Viable loan guarantees **[1]**
- Commercial first mover projects to show it can work **[1]**
- Long term off-take contracts **[1]**

Recommended Actions

- See Attachment A for specific measures recommended by each group