



NATIONAL ENERGY TECHNOLOGY LABORATORY



Clean Coal Power Initiative Round 3

Webcast, July 15, 2009



CCPI-3 Webcast

- **Purpose**
 - Answer any remaining questions regarding the CCPI-3 Funding Opportunity Announcement (FOA)
- **CCPI-3 Schedule**
 - FOA issued June 9, 2009
 - Letters of Intent due July 24, 2009
 - Applications due August 24, 2009
- **Agenda**
 - 12:30 PM (ET) Summary of FOA objectives and changes from first closing date
 - 12:45 PM (ET) Questions from the Public
 - 3:30 PM (ET) Conclude Webcast

Meeting Process

- **Webcast Rules of Etiquette**
 - Please put all phones on mute during the presentation so everyone can hear
 - This is not an opportunity to “sell” your concept to DOE, please keep questions concise
- **Please email questions to CCPI.Questions@netl.doe.gov in written form**
- **Scheduled for 12:30 pm (ET) to 3:30 pm (ET)**
- **Outline**
 - Summary of CCPI-3 Objectives
 - Summary of changes from the first closing date to the second closing date
 - Questions from the public

Part I – FOA Description

Objectives

- **Seeking advanced coal-based technologies that have progressed beyond R&D. Once demonstrated, can be easily replicated into commercial practice**
- **Targeting advanced coal-based systems that capture and sequester, or put to beneficial reuse, carbon dioxide emissions – with potential to achieve EPACT 2005 performance levels**



Part I – FOA Description

Objectives (cont.)

- **DOE's goals are to demonstrate technologies**
 - That operate at a target 90% capture efficiency, with a minimum of 50% capture efficiency
 - Capture efficiency means the amount of carbon dioxide removed from the process stream expressed as a percentage of the carbon dioxide entering the capture systems
 - Make progress toward COE increase less than
 - 10% for gasification systems
 - 35% for combustion and oxycombustion systems
 - Capture and sequester or put to beneficial use 300,000 tons per year of carbon dioxide

Part I – FOA Description

Objectives (cont.)

- **Projects must be integrated with commercial plant operation; 30 day running average will determine if the carbon dioxide capture efficiency goal is met**
- **Projects may produce heat, fuels, chemicals, hydrogen, etc, in combination with electricity**
- **U.S. coal or coal refuse must be 55% of plant input**
- **50% of boiler or gasifier output must be used to make electricity**
 - Parasitic electric power counts as electrical output
 - Boiler output is the energy content of steam
 - Gasifier output is the energy content of the steam plus the energy content of the syngas stream
- **All project activities must be in U.S.**



Part I – FOA Description

Objectives (cont.)

- **DOE WILL demonstrate**
 - leading edge technologies not currently deployed in the utility industry
- **DOE will NOT demonstrate**
 - new applications of commercial technology
 - marginal improvements of commercial technology or previously demonstrated technology
- **“Commercial Technology” means commercially available to the utility industry as defined by:**
 - Fully demonstrated at utility scale
 - Demonstrated reliability required by utility industry
 - Widely available to the utility industry with commercial guarantees regarding cost, performance, availability
 - Cost can be accurately estimated

Significant Changes for Second Closing Date

- **Application Process**
 - Through FedConnect, www.fedconnect.net
 - How to Submit
 - https://www.fedconnect.net/FedConnect/PublicPages/FedConnect_Ready_Set_Go.pdf
 - FOA page 35
- **Capture Efficiency**
 - Target 90%, Minimum 50%
- **Coal Input**
 - Minimum 55% on energy input basis
- **Letters of Intent are Requested**
 - Due July 24, see FOA page 18

Significant Changes for Second Closing Date

- **Other Changes**
 - Additional Information, FOA page 22
 - Budget Information Request Updated, FOA page 29
 - Other Selection Factors, FOA page 40
- **Negotiations**
 - Negotiations will not last over one year
 - If funds become available due to an unsuccessful negotiation, DOE may choose another project
- **Recovery Act Award Administration Information**, FOA page 42
 - http://management.energy.gov/policy_guidance/1672.htm
- **NEPA Contractor**
 - DOE may use 3rd party NEPA contractor, FOA page 48
- **Davis Bacon Act**, FOA page 31
 - <http://www.dol.gov/esa/whd/contracts/dbra.htm>

Significant Changes for Second Closing Date

- **Model Cooperative Agreement Provisions, pp 15-24**
 23. Special Provisions Relating to Work Funded Under the American Recovery and Reinvestment Act of 2009
 24. Reporting and Registration Requirements Under Section 1512 of the Recovery Act
 25. Required Use of American Iron Steel, and Manufactured Goods (Covered Under International Agreements) Section 1605 of the American Recovery and Reinvestment Act of 2009
 26. Wage Rate Requirements Under Section 1606 of the Recovery Act (Davis Bacon)
 27. Recovery Act Transactions Listed in Schedule of Expenditures of Federal Awards and Recipient Responsibilities for Informing Subrecipients

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- **If you still have a question, please submit it through FedConnect at <https://www.fedconnect.net/Fedconnect/>**
- **This presentation, and webcast questions and responses will be published at the CCPI-3 website**
 - http://www.netl.doe.gov/technologies/coalpower/cctc/ccpi/bibliography/program/solicitations/ccpi_3_solicitation.html