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- **Presented by Pat Esposito, Augusta Systems. This talk was presented at the West Virginia Energy Roadmap Workshop on National Coal Issues held in Charleston, WV on November 10, 2004. The meeting was a part of the Energy Roadmap Workshop Series commissioned by West Virginia Governor Bob Wise.**



# National Coal Issues Workshop

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## West Virginia's Energy Leadership



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November 10, 2004



# Discussion

- **Background on positioning West Virginia for continued energy leadership**
- **West Virginia's energy leadership activities**



# Background

*Energy Task Force*



*Energy Roadmap*



*Implementation*



***Energy Leadership***



# Goals

- **Maintain WV's position as a world leader in competitively priced and reliably available fossil fuels.**
- **Demonstrate leadership for WV in advanced research, development, and demonstration of energy technologies.**
- **Establish WV as a national leader in developing energy projects using its own resources, including its workforce and natural resources.**



# Roadmap Focus Areas

- **Economic Development**
- **Energy Generation**
- **Energy Infrastructure**
- **Resource Production**
- **Emerging Energy and Environmental Technologies**



# Leadership Activities

- **Issue-specific workshops**
- **Increased focus on the economic development opportunities in coal and energy**
- **Support for research and innovative projects**



# Carbon Management: An Example of Innovation and Leadership

A leadership position has been staked out on this issue to ensure continued coal use:

- Support for *new technologies*, e.g. carbon sequestration
- Support for *voluntary activities*, e.g. the Carbon Offset Opportunity Program (CO-OP)



# New Technologies: Carbon Sequestration

- **Promote regional approach to development and deployment of carbon sequestration efforts in the Midwest and Southeast**



# Voluntary Activities:



**CARBON OFFSET  
OPPORTUNITY PROGRAM**  
*A tool for collaborative project development*



# CO-OP: What Is It?

- An Internet-based tool that matches energy and environmental project developers with investors
- Purpose to assist industry and other organizations in catalyzing collaborative energy and environmental projects that reduce and offset GHGs, with a focus on carbon sequestration, in a way that emphasizes voluntary actions



# CO-OP: A Cornerstone

- Developed under the direction of DOE/NETL
- Developed with input from industry and others, including WVCA, power generators, state officials, etc.
- NOT a GHG registry or trading platform, promotes voluntary project development



# CO-OP Timeline

- **Pilot version launched in West Virginia in summer 2004**
- **Currently introducing CO-OP to potential national users**
- **Goal to transition from federal to private sponsorship**



# Advantages to Coal Industry

- Possible financial benefits, e.g. subsidized reforestation efforts
- Possible policy benefits through leadership role in voluntary initiative
- Supports voluntary reduction commitments



# How to Participate in CO-OP

- **Develop a project with CO-OP's assistance; find investors for projects or projects to invest in**
- **CO-OP sponsorship**



# Visit CO-OP

www.offsetopportunity.com

CO-OP Project Edit - Microsoft Internet Explorer

CO-OP CARBON OFFSET OPPORTUNITY PROGRAM  
A tool for collaborative project development

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### Carbon Sequestration

Prj - Equity - Step 1 of 3

Cancel Save/Next

Note: All required fields are in red.

**Project Info** Project Details Annual ERUs

Opportunity Name: Carbon Sequestration

Opportunity Category:  Prj - Equity  Prj - ERU

Time Period: 2005 to 2015

Target GHGs: CO2 (Carbon Dioxide), CH4 (Methane), N2O (Nitrous Oxide), PFCs (Perfluorocarbons), SF6 (Sulfur Hexafluoride)

Compliance Goals: CCI (Chicago Climate Exchange), Climate Trust, Climate VISION, Internal Voluntary Commitment, Other

NOTE: ERUs are measured in metric tonnes of CO2e.

Total ERUs: Price(\$)/ERU: to

Not Verified  Internal Verification  Third-party Verification

Country: Any City: County: State: Any Zip Code:

Sector: Carbon Sequestration Type: Afforestation

Match Criteria: CO-OP will use all of the criteria selected below in determining matches to your listings.

Target GHGs  Verification  Time Period  Annual ERUs  
 Sector/Type  Compliance Goals  Total ERUs  Price/ERU

Receive email notification of new or updated matching opportunities

Terms of Use

CO-OP Project Portfolio - Microsoft Internet Explorer

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### Project Portfolio

ID #	Opportunity Name	Opportunity Category	Target GHGs	Start Year	End Year
1030	<a href="#">Carbon Sequestration</a>	Prj-Equity	N2O	2005	2015
1020	<a href="#">Cement Kiln CO2 Reduction</a>	Prj-ERU/Equity	CO2	1997	2010
1022	<a href="#">CR Reforestation Project</a>	Prj-ERU	CO2	1996	2021
1023	<a href="#">Estonia Heating Efficiency</a>	Prj-ERU	CO2	1998	2013
1021	<a href="#">Forest Investment Inc. Project</a>	Prj-Equity	CO2	1999	2050
1024	<a href="#">Missouri Fuel Switch to Gas</a>	Prj-ERU	CO2	2000	2027

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New View Delete Match

Terms of Use



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**November 10, 2004**

