

Clean Coal Power Projects in West Virginia

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CCPI or CCT Projects in WV

- Greenbriar Co-Generation Project
 - 85 MW waste-coal to energy fluid bed combustor
 - “Eco Park” concept, e.g., turbine exhaust can be used for industrial uses such as drying hardwood in a steam kiln
 - Integrated co-production facility to produce value-added structural bricks

The bigger picture for West Virginia coal and energy

- We are recognized as an energy State
- Energy-intensive industries are important to West Virginia
- There is untapped synergy between our energy resources and energy-intensive industries

Energy-Intensive Industry Clusters

- New Martinsville area
- Ravenswood area
- CAZ region
- PAZ region
- Weirton/Moundsville area

Clean Coal Power Opportunities

- Locate a high-efficiency coal gasification combined cycle plant within a cluster of energy-intensive industries
 - Low-cost, reliable power for the cluster – excess power sold to the grid
 - Improved regional air quality
 - Cooling water is available
 - Attract new industry to diversify local economy

Creating Energy Advantages for WV Industry

- Makes sense to develop secure, economical, coal-based sources of power, heat, and chemical feedstocks for clusters of energy-intensive industries
- Makes sense for industry to use energy more efficiently
- Policy, legislative, and regulatory approaches - TBD

More on energy/industry synergies at the 2004 IOF-WV Symposium

- Planning for the 2006 Mining Energy Solutions – Morgantown, WV Meeting
- Keynote session on Energy Issues for West Virginia Industry
- Let's create projects!