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West Virginia 2009

Energy Summit:

West Virginia's Commitment
to Energy Security

Renewable Energy Developments
in West Virginia
– **Wind Power** –

When it matters



West Virginia Legislative Enactments

- Governor Manchin's Alternative and Renewable Energy Portfolio Act
 - Great Findings About Energy Diversity
 - Includes Wind as Renewable Energy Resource
 - Requires Electric Utilities to Obtain Credits
- Favorable Property Tax Provisions
- Siting Certificate Statute for EWG's



Regulatory Authority – West Virginia Public Service Commission

PSC must “appraise and balance the interests of the public, the general interests of the state and local economy, and the interests of the applicant.”

PSC may issue a siting certificate only if it determines that the terms and conditions of any public funding or any agreement relating to the abatement of property taxes do not offend the public interest, and the construction of the facility or material modification of the facility will result in a substantial positive economic impact on the local economy and local employment.

Results in a balancing test of many issues.

Commission has 300 days to make a decision after an application is filed.

When it matters



Studies, Consultations, and Approvals

Five-Mile Map & Aerial Photography

Viewshed Study

Avian and Bat Studies

Sound / Noise Study

Traffic Studies

Architectural Study

Archaeological Study

Hydrological Study

Wetlands Delineation

Economic Impact Study

Rare, Threatened and Endangered Species Study



Mountaineer Wind Energy Facility

- 44 turbine, 66-megawatt wind farm
- Online in December 2002
- Capacity Factor of 32%



Located in Tucker and Preston Counties, the Mountaineer Wind Energy Facility, at the time of its construction, was the largest wind farm east of the Mississippi River.

When it matters



NedPower Mount Storm Wind Project

- 132 turbine, 264-megawatt wind farm
- Completed August 2008



The NedPower Mount Storm Wind Project is located in Grant County, near the Mount Storm Power Station.

When it matters



Beech Ridge Wind Farm



The Beech Ridge Wind Farm, to be located in Greenbrier County, West Virginia, will have a capacity of 100.5 MW.

When it matters

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AES Laurel Mountain & AES New Creek



When it matters



Pinnacle Wind Farm at NewPage



Proposed as a 23 wind turbine, 55.2 megawatt project in Mineral County, the Pinnacle Wind Farm at NewPage is currently awaiting a decision of the West Virginia Public Service Commission.

When it matters



The Future of Wind Power in West Virginia

- Wind Working Group continues to meet and have a presence in West Virginia.
- Entities continue to research sites in West Virginia.
- Development of courses by Eastern WV CTC – wind energy technicians.
- Every reason to think that West Virginia will continue to be a wind power player.



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