



Governor's Energy Summit

Energy Powering Economic Development

Pinnacle Wind Farm at NewPage Project Update

December 6, 2011



Pinnacle Wind Farm at NewPage

- Project Size and Estimated Production:
 - 23 Turbines
 - 55.2 MW nameplate capacity
 - 35% net capacity factor (conservative)
 - 169,243,200 KWh/year
 - 169,243 MWh/year
 - Enough energy for about 14,000 households
 - \$131M Capital Investment



Power Purchase Agreements (PPA's)

- University of Maryland – 2/3rds of production
- MD Dept. of General Services – 1/3rd of production

WV Investment

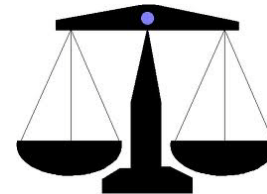


MD Revenue Stream



Economic Impacts

- Real Estate Leases and Agreements
- Legal Counsel
 - Permitting
 - Real Estate
 - Transactional
 - 3rd Party Representation
- Engineering
 - Mapping & Design
 - ALTA Survey
 - Storm Water Plan



Economic Impacts

- Community Outreach
 - Meeting Facilities
 - Catering
 - Third Party Facilitator
 - Lodging & Travel
- Wind Data Collection
 - Meteorological Towers
 - Road Access and Maintenance
 - Data Management and Assessment



Economic Impacts

- Construction Activities
 - Contractor Office Facilities
 - Lodging of Personal
 - Local Good and Services
- Local / Regional Sub Contractors



Economic Impacts

- Timbering, Clearing and Grubbing
 - A.L.L. Construction, Inc. – Mount Storm, WV



Economic Benefits

- Disposal of Tree Waste
 - Grant County Mulch, Inc. - Arthur, WV



Economic Impacts

- Civil Work – Project Site
 - A.L.L. Construction, Mount Storm, WV



Economic Impacts

- Gas Pipeline Relocation / Encasement
 - CKS Pipeline Contracting, Jane Lew, WV



Economic Impacts

- Concrete Batch Plant for Turbine Foundations
 - My-O-Management Services – Oakland, MD



Economic Impacts

- Aggregate and Misc. Foundation Concrete
 - Fairfax Materials – Scherr, WV



Economic Impacts

- Transportation Route Improvements
 - A.L.L. Construction, Inc. - Mount Storm, WV
 - WV Paving, Inc. – Parsons, WV



Road Paving



Civil Work

Economic Impacts

- Transportation of Turbines
 - Tower Sections and Nacelles transported by barge - Port of Galveston, TX to Saint Albans, WV (Peerless Block & Brick Co. facility)



Economic Impacts

- Electrical Sub Contractor
 - W. R. Castell – Hopwood, PA
 - Installation of Switchyard and Sub Station



Economic Impacts

- Coordination with Local Community College
 - Eastern WV Community & Technical College
 - Wind Technician Program
 - Provided Paid Internship – Two Students
 - Hired One Full-Time Wind Technician



Economic Impacts

- Jobs
 - Construction Jobs – Building Trades
 - 150-200 Construction Jobs (268 at peak)
 - Permanent O&M Jobs
 - 9 Jobs Currently (2 EME, 7 MHI)
 - Ancillary Jobs
- Taxes - Estimated
 - \$433,000 avg. annual - property taxes
 - Among Mineral County's Largest Taxpayers
 - likely the largest
 - State Income Tax: \$475,000
 - State B&O: \$120,000



Economic Impacts

- Community Benefit Fund
US Wind Force Foundation, Inc.
 - \$50k 1st year (at Commercial Operation)
 - \$10k 1st year (earmarked for historic preservation)
 - \$20k annually for the life of the project
 - \$540,000 over 1st 25 years of operation
 - Funding decisions - local “Allocation Committee”





Recent Activities

- 23 turbines installed
- Road Improvements to Local Roads
- Sub Station and Switchyard Completed
- Electrical Infrastructure Work Completed
- Community Outreach – 32 meeting to-date
- Coordination with Mineral County - Office of Emergency Services / 911

Looking Forward

- Turbine commissioning
- Commercial Operation by year-end 2011



Pinnacle Wind Farm at NewPage

THANK YOU!

www.uswindforce.com





OVERSIZE LOAD











