Dominion’s Wind Energy Developments in Virginia

June 17, 2010
Dominion’s combination of markets, assets, operations and regulatory environments is concentrated in the Mid-Atlantic and Northeast regions of the U.S.

- ~27,500 MW of electric generation
- ~1.1 trillion cubic feet equivalent of proved natural gas reserves
- 6,000 miles of electric transmission
- 14,000 miles of natural gas transmission, gathering and storage pipeline
- Nearly 1 trillion cubic feet of natural gas storage operated
- Cove Point LNG Facility
- 2.4 million electric customers in VA and NC
- 1.2 million natural gas customers in OH
- 1.6 million non-regulated retail customers in 12 states
- ~1000 MW from Wind

Map excludes Cirro Energy and Peoples and Hope LDCs
Completed Fowler Ridge Wind Farm
Benton County, Indiana

Total Size: 300 MW
No. of Turbines: 162
Land Area: 25,000 acres
Completed: March 2009
Completed Mount Storm Wind Farm
Grant County, West Virginia

Total Size: 264 MW
No. of Turbines: 132
Land Area: 8000 acres
Completed: December 2008
Challenges of Developing Wind Energy in VA

- Assessment of visual impacts
- Public education / awareness of facts
- Limited availability of wind resource on land
Permits Required for Virginia Wind Facilities

- Federal
  - U.S. Fish & Wildlife Service – Threatened & Endangered Species Review/No Take Permit (if applicable)
  - USACE – Clean Water Act Section 404 Permit / Review of wetland and stream delineations

- State
  - VA SCC – CPCN & Environmental Reviews
    - VA SCC – Certificate of Public Convenience and Necessity / Rate Case / Rider
    - VA DEQ – Environmental Impact Review and Clean Water Act Section 401 for wetlands/streams / Permit by Rule
    - VA DCR – Permit for Storm Water Discharges during Construction (SWPPP)
    - VA DCR – Consultation Regarding Potential Viewshed Impacts
    - VA DMME – Consultation Regarding Past, Current, and Future Mining Operations in Project Area (if applicable)
    - VA Dept. of Game & Inland Fisheries – Wildlife Impact Assessment
    - VA Dept. of Historic Resources – Historic Resources & Archaeological Assessment Review
    - VA Dept. of Transportation – Heavy Haul/Wide Load Permits and Power Cable Road Crossings

- Local
  - County – Zoning Permit (if applicable)
  - County – Building Permit
  - County – Permit for Storm Water Discharges during Construction (E&S)
  - County – Water and Sewer Permits for Construction and Permanent Structures
Tazewell Wind Power: Overview

• BP and Dominion partnership to jointly own, operate and develop wind projects.

• Purchased about 2,560 acres of land in Tazewell County.

• The exact size of project and scope of benefits not yet determined. (Most likely 30 – 40 wind turbines)

• In February 2010, county officials voted to restrict wind turbines; evaluating next steps.

• Project will be subject to all local, state and federal permits and approvals.
Tazewell Wind Power: Location

Bluefield, VA

East River Mountain (Project Area)
BP and Dominion partnership to jointly own, operate and develop wind projects.

Will lease 10,000 acres from PennVirginia (land resource company) on Black Mountain, VA/KY border.

The project is expected to utilize 50 – 75 wind turbines.

Will be on a reclaimed surface mine area.

Project will be subject to all local, state and federal permits and approvals.
Wise County Wind Project: Location

[Map showing the location of the Mill Creek Wind Project]
Local economic benefits of a 60 MW wind project:

- $2 million in wages; 100 construction jobs
- $5 million in local products and services
- 5-10 long-term jobs during operation
- Significant annual local property and real estate tax revenues
  - ≈ $600,000 Year 1
  - ≈ $450,000 Year 5
  - ≈ $280,000 Year 10
  - ≈ $180,000 Year 13 - 20
Other Wind Project Benefits

• Environmental benefits
  - Emissions-free, renewable resource
  - Doesn’t consume water resources
  - Properly sited facilities will not affect wildlife populations

• Helps to stabilize electricity costs for the long-term
Mount Storm Construction
Mount Storm Construction

Turbine Tower
Mount Storm Construction

Turbines being Erected
Mount Storm Construction

Blades Transported to Site
Mount Storm Construction

Turbine Rotor Ready for Lift
Mount Storm Construction

Substation Transformer
For more information visit our web sites:

www.dom.com keyword “Virginia Wind”