

Dominion's Renewable Energy Developments

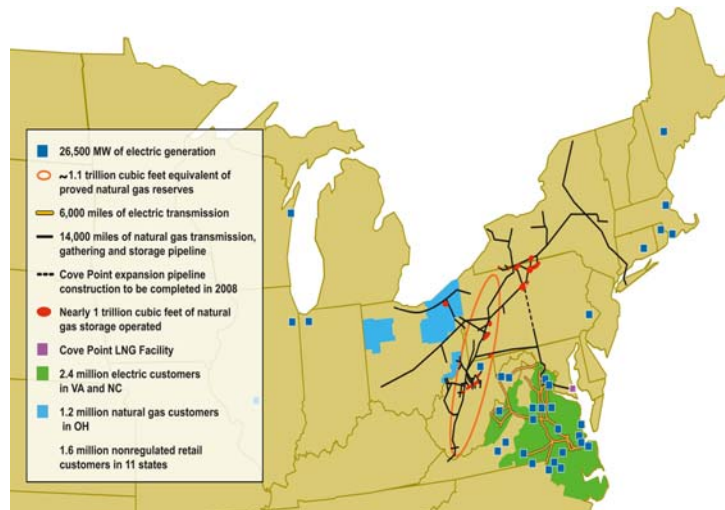
AWMA South Atlantic Section Meeting
November 21, 2008



Agenda

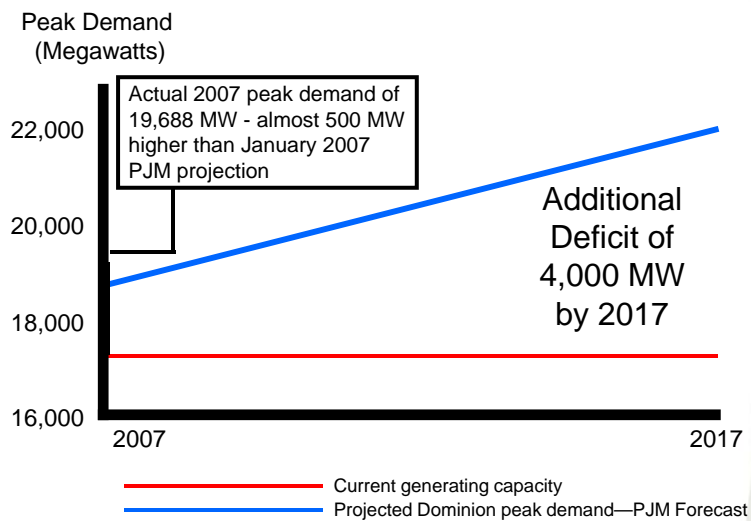
- Overview of Dominion
- Virginia's Energy Demand
- Dominion's Renewable Assets
- Dominion's Wind Energy Developments
- Meeting RPS Goals
- Summary

Overview of Dominion: Dominion's Footprint



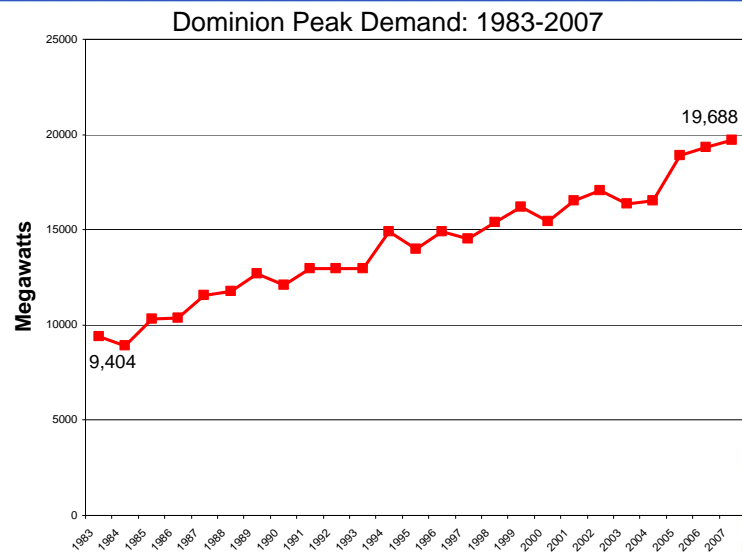
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Virginia's Energy Demand



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Growing Energy Demand



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Meeting Needs of Virginia's Still Growing Economy

Dominion's challenge:

- Virginia's economic growth requires reliable, affordable energy for our customers.

Dominion's strategy:

- Meeting the need with three major tools
 - Conservation and efficiency
 - Renewable generation
 - Baseload and intermediate generation and other infrastructure improvements

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Dominion's Assets: Renewable Generation Portfolio

<u>Operating Facilities</u>	<u>Capacity</u>	<u>Type</u>
Pittsylvania – Virginia	83 MW	Biomass
Altavista – Virginia	6 MW	Biomass
Gaston – North Carolina	225 MW	Hydro
Roanoke Rapids – North Carolina	99 MW	Hydro
Cushaw – Virginia	2 MW	Hydro
North Anna – Virginia	<u>1 MW</u>	Hydro
	416 MW	

Facilities – In Development (announced)

Virginia City Hybrid Electric Center *	117 MW	Biomass
Various Sites – Wind Projects with BP	<u>TBD</u>	Wind

Utility-Owned Facilities Total: **533 MW**

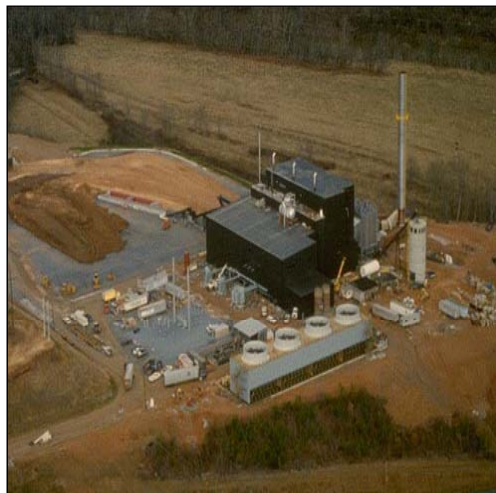
* Represents up to 20% of proposed Virginia City Hybrid Electric Center 585 MW coal station



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Dominion's Renewable Assets: Pittsylvania Power Station (Biomass)

- Pittsylvania Power Station
- Capacity: 83 MW
- Largest biomass facility in eastern U.S.
- High reliability
- Base-load resource



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Dominion's Renewable Assets: Gaston Hydro Station, Roanoke Rapids

- Capacity: 225 MW- Gaston
- Capacity: 99 MW – Roanoke Rapids
- High reliability



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Dominion's Renewable Assets: Other Renewable Generation Assets

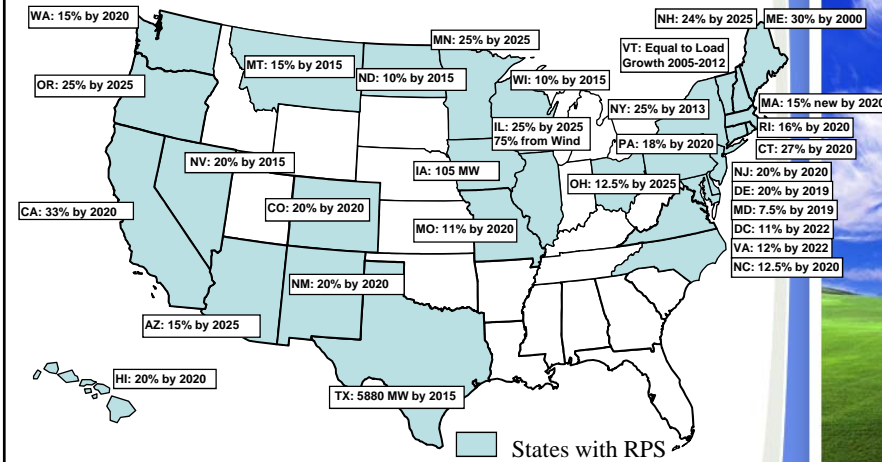
	<u>Capacity</u>	<u>Type</u>
<u>Other Renewable Facilities – Under Construction</u>		
NedPower Mount Storm Wind Farm** - West Virginia	132 MW	Wind
Fowler Ridge Wind Farm (Phase I)** - Indiana	150 MW	Wind
<u>Other Renewable Facilities – In Development (announced)</u>		
Fowler Ridge Wind Farm (Phase II)** - Indiana	175 MW	Wind
Prairie Fork Wind Farm - Illinois	<u>300 MW</u>	Wind
Other Renewable Facilities	757 MW	
TOTAL RENEWABLE FACILITIES:	1,290 MW of Renewable Assets	

** Capacity shown as Dominion's net share (projects are 50/50 partnerships)

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What's Driving the Demand: U.S. Renewable Portfolio Standards

31 States with Renewable Portfolio Standards/Renewable Goals



Source: DSIRE Database of State Incentives for Renewables and Efficiency
Michigan became the 31st state in October

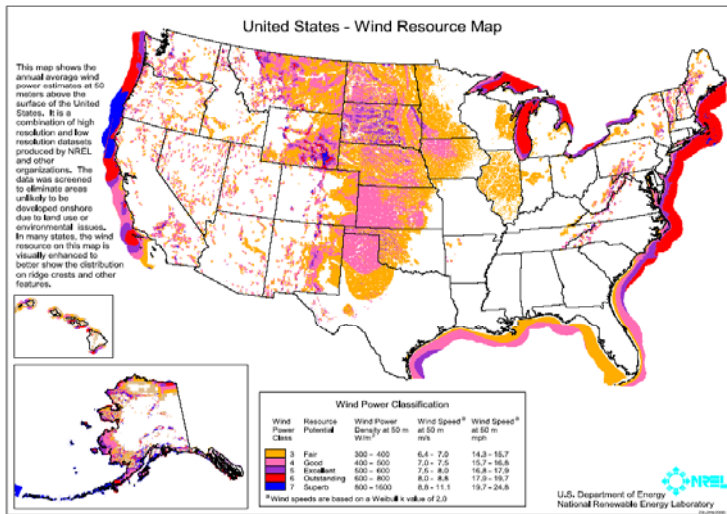
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Dominion's Wind Energy Developments: Our Interest in Wind Energy

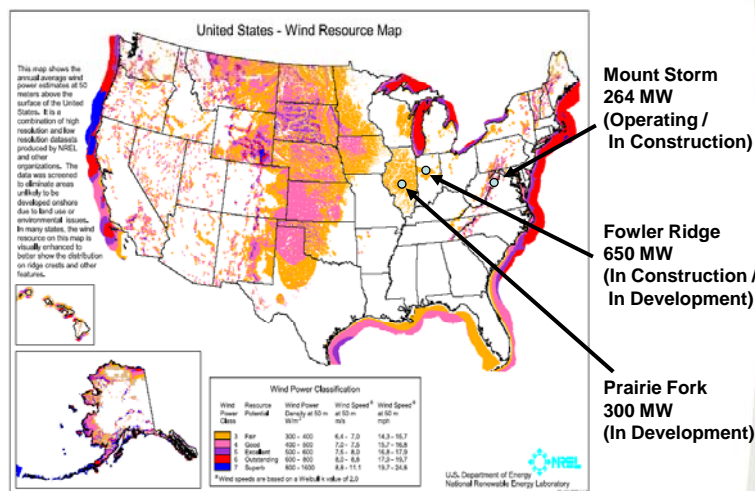
- Wind Energy has the Lowest Cost and Highest Scalability of all Renewable Resources
- Committed to Meet RPS Goals in Virginia and North Carolina
- Reduce our Carbon Intensity
- Hedge Against Rising Fuel Costs
- BUT.....WHERE ARE THE WIND RESOURCES?

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Dominion's Wind Energy Developments: U.S. Wind Resources



Dominion's Wind Energy Developments: Our Announced Wind Farms



Dominion's Wind Energy Developments: NedPower Mount Storm Wind Farm

• Location	Grant County, West Virginia
• Status	Operating
• Facility Owners	Dominion (50%) / Shell (50%)
• Asset Type	Merchant Generation
• Date of Dominion Acquisition	December 2006
• Total Capacity (planned)	264 MW
• Number of turbines	132
• Output per Turbine	2 MW
• Commercial Operation Date	2008
• Land Area Covered	8,000 acres (12.5 sq mi)



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Dominion's Wind Energy Developments: NedPower Mount Storm Wind Farm



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Dominion's Wind Energy Developments:
NedPower Mount Storm Wind Farm



Turbine Rotor
Ready for Lift



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Dominion's Wind Energy Developments:
NedPower Mount Storm Wind Farm



Turbines being
Erected



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Dominion's Wind Energy Developments: Fowler Ridge Wind Farm

Location	Benton County, Indiana
Status	UNDER CONSTRUCTION
Facility Owners	Dominion (50%) / BP (50%)
Asset Type	Merchant Generation
Date of Dominion Acquisition	January 2008
Total Capacity (planned)	650 MW (of total 750 MW)
Number of turbines	350+
Output per Turbine	Between 1.5 and 2.5 MW
Commercial Operation Date	2008 / 2009+
Land Area Covered	55,000 acres (86 sq mi)



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Dominion's Wind Energy Developments: Fowler Ridge Wind Farm

Turbine being
Erected



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Dominion's Wind Energy Developments: Prairie Fork Wind Farm

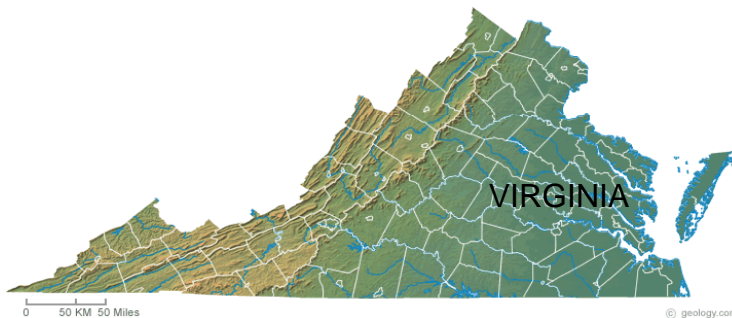
Location	Christian & Montgomery Counties, Illinois
Status	UNDER DEVELOPMENT
Facility Owners	Dominion (100%)
Asset Type	Merchant Generation
Date of Dominion Acquisition	N/A – Greenfield Development
Total Capacity (planned)	300 MW
Number of turbines	150 - 200
Output per Turbine	Between 1.5 and 2.0 MW
Commercial Operation Date	2011
Land Area Covered	26,000 acres (40 sq mi)



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Dominion's Wind Energy Developments: Partnership with BP in Virginia

- In April 2008, Dominion and BP announced their 2nd wind partnership
- Dominion & BP will jointly develop, construct, and operate wind projects in Virginia
- Dominion will participate through its utility, VEPCO



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Dominion's Wind Energy Developments: Partnership with BP in Virginia (cont'd)

- Evaluating several VA opportunities; our WV wind experience is readily exportable to VA wind development
- Dominion and BP are in the early stage of site analysis
- Utilizing the VA landscape classification system (VWEC/JMU)
- Performing Phase I environmental analyses
- Characterizing sites based on desktop and field analysis
- Plan to bring in state regulatory / environmental agencies early

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Dominion's Wind Energy Developments: Dominion's Renewable RFP

- Dominion canvassed market for renewable opportunities including:
 - **Purchase of Renewable Energy Assets**
 - **Purchase of Renewable Energy Credits**
- RFP issued to the market Nov 2007 / bids received Feb 2008
- Targeted renewable assets in Virginia, North Carolina, or anywhere in PJM
- 36 respondents/49 proposals received
- Dominion is currently working with several respondents

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Meeting Virginia RPS Goals: Dominion's Goals

- Dominion's existing utility-owned renewable assets reach 2% level
- To meet with RPS goals, Dominion needs:
 - 4% by 2010
 - 7% by 2016
 - 12% by 2022
- Plan to utilize all available options to meet targets

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Summary

1. Dominion is committed to achieving Virginia's voluntary goal of 12% of base year electricity sales coming from renewable resources by 2022
2. Wind energy will be a major contributor to Dominion's renewable strategy
3. Virginia will be the next major step for Dominion's wind developments

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Dominion[®]
It all starts here.[®]



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