## Dominion

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#### **Dominion Profile** Power and Natural Gas Infrastructure Overview

#### Leading provider of energy and energy services in the U.S.

IN

OH

NC

**Dominion (NYSE:D)**, headquartered in Richmond, VA, is one of the nation's largest producers and transporters of energy, with a portfolio of approximately:

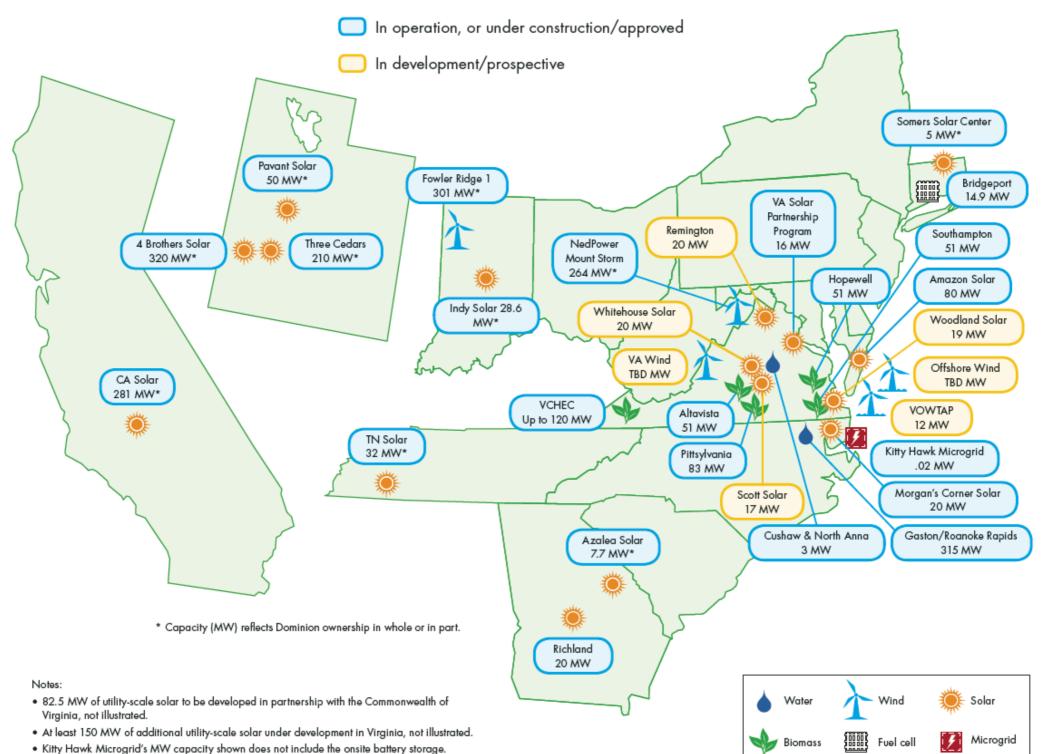
- 24,300 MW of electric generation
- 6,500 miles of electric transmission
- <u>12,200 miles of natural gas transmission,</u> gathering and storage pipeline
- 933 billion cubic feet of natural gas storage operated
- Cove Point LNG Facility
- 2.5 million electric customers in VA and NC
- 1.3 million natural gas customers in OH & WV

1.3 million non-regulated retail customers in14 states (not shown)

NY

PA

#### **Renewable Generation Investments**



Bridgeport powered by natural gas; qualifies as a renewable energy facility in Connecticut.

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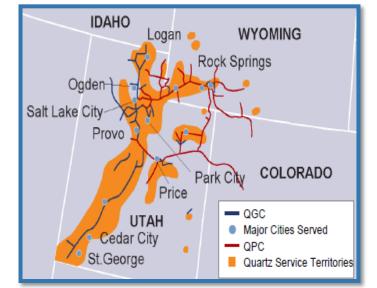
## Activities Across the U.S.

#### Electric

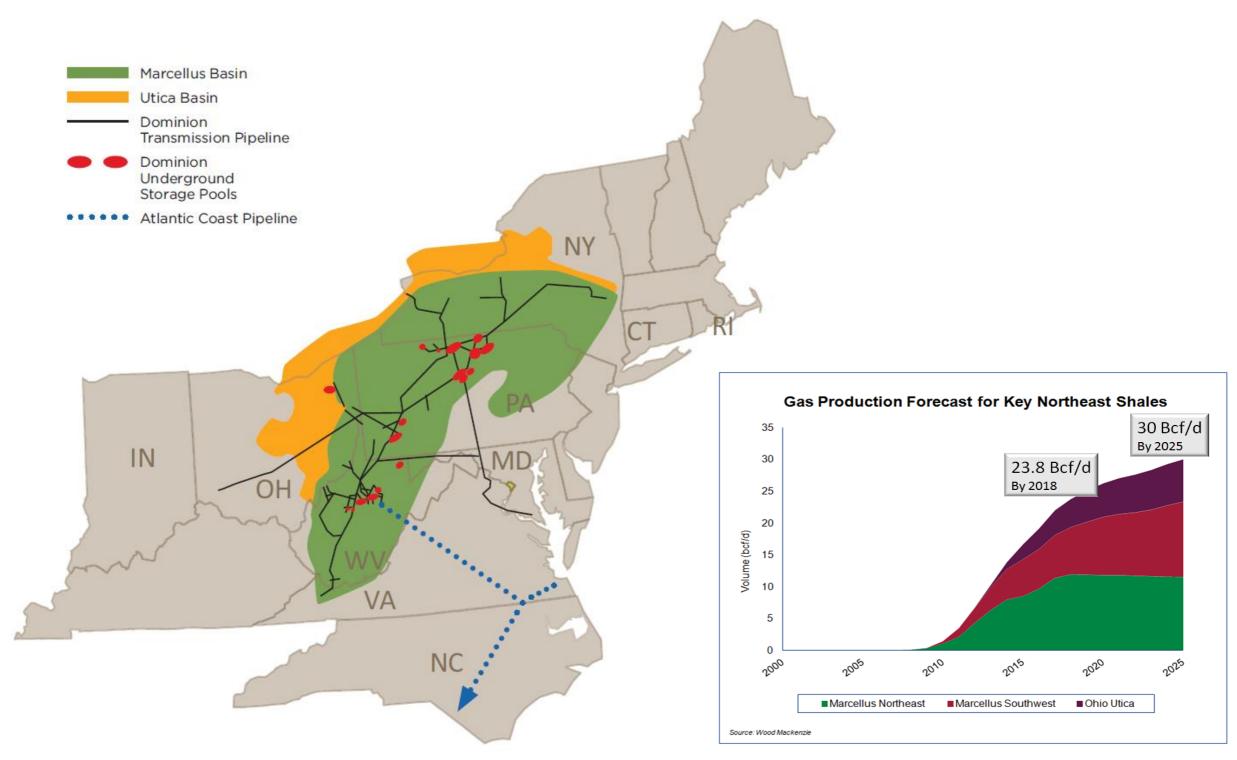
- Committed to building at least 400 MW's of utility-scale solar in VA by 2020
- Completing 1,300 MW CC station next month (VA)
- Awaiting decision next week on additional 1,600 MW CC station (VA)

#### Natural Gas

- Building LNG export facility at existing import terminal in Southern MD
- Expanding facilities in New York for greater deliverability across Northeast
- Acquiring Questar, headquartered in Salt Lake City, UT
  - LDC serving approximately 900,000 customers in UT, CO, WY & ID
- Atlantic Coast Pipeline

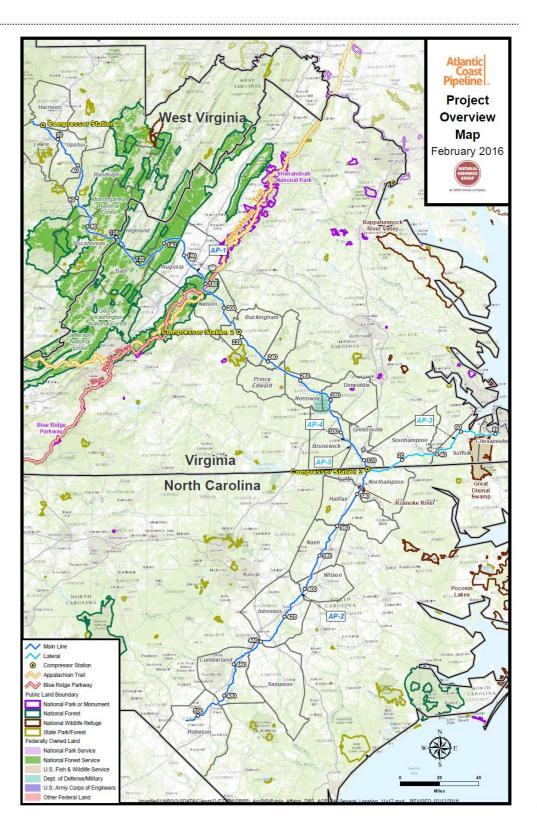


#### Abundant Supply of Natural Gas



#### Atlantic Coast Pipeline Project Details

- Length: Approximately 594 miles
- Pipe: West Virginia: 42-inch diameter
  Virginia: 42-inch diameter
  North Carolina: 36-inch diameter
  Hampton Roads: 20-inch diameter
- Capacity: 1.5 billion cubic feet/day
- Three compressor station locations:
  - 1. Lewis County, WV
  - 2. Buckingham County, VA
  - 3. Northampton County, NC
- Service: ~ 90% of capacity is committed to utilities primarily to replace coal powered electric generation



## **Companywide Commitment to Community**

- More than \$25 million in grants in 2015 from Dominion and Dominion Foundation
  - \$1.7 million in matching gifts in 44 states
  - Local community giving decisions
  - '15 celebrated 70<sup>th</sup> anniversary of Dominion Foundation
- 110,000 hours of employee volunteer service
  - Employees provided community "day off" of their choosing
- \$8.7 million in EnergyShare heating, cooling assistance funds, helping 18,000 families
  - Part of commitment to invest \$57 million in program through 2019
- Troops to Energy Jobs
  - More than 650 military veteran hires since 2011
  - Nearly 20 percent of new hires



## Recognition

#### Fortune's 'Most Admired' Companies – Electric & Gas Utilities

- Ranked 2<sup>nd</sup> in 2016
- Top two for past five years (1<sup>st</sup> in 2015)
- Forbes' 'America's Best Employers' No. 37
  - First among utility companies
- Military Times 'Best for Vets' ranked 21<sup>st</sup>
  - Sixth year listed
  - Top utility ranked
- Other recognition
  - DOD/ESGR Employer Support Freedom Award
  - GI Jobs Top 100 Military-Friendly Employer, since 2010
  - National United Way Summit Awards Volunteerism, Community Impact

# Forbes

FORTUNE WORLD'S MOST ADMIRED COMPANIES



## **America's Best Employers 2015**

Dan Stoddard Senior Vice President, Nuclear Operations



- Largest and most important generating facility in Connecticut and New England:
  - Safe, reliable, carbon-free, base load power
  - 2,100 MWs; ~17M MWhs annually
  - Output equivalent to >55% of electricity consumed in Connecticut
  - Critical in stopping Northeast blackout in August 2003
  - Reliably supported the grid during the 2015 polar vortex



#### \$1.2 billion in annual economic benefit:

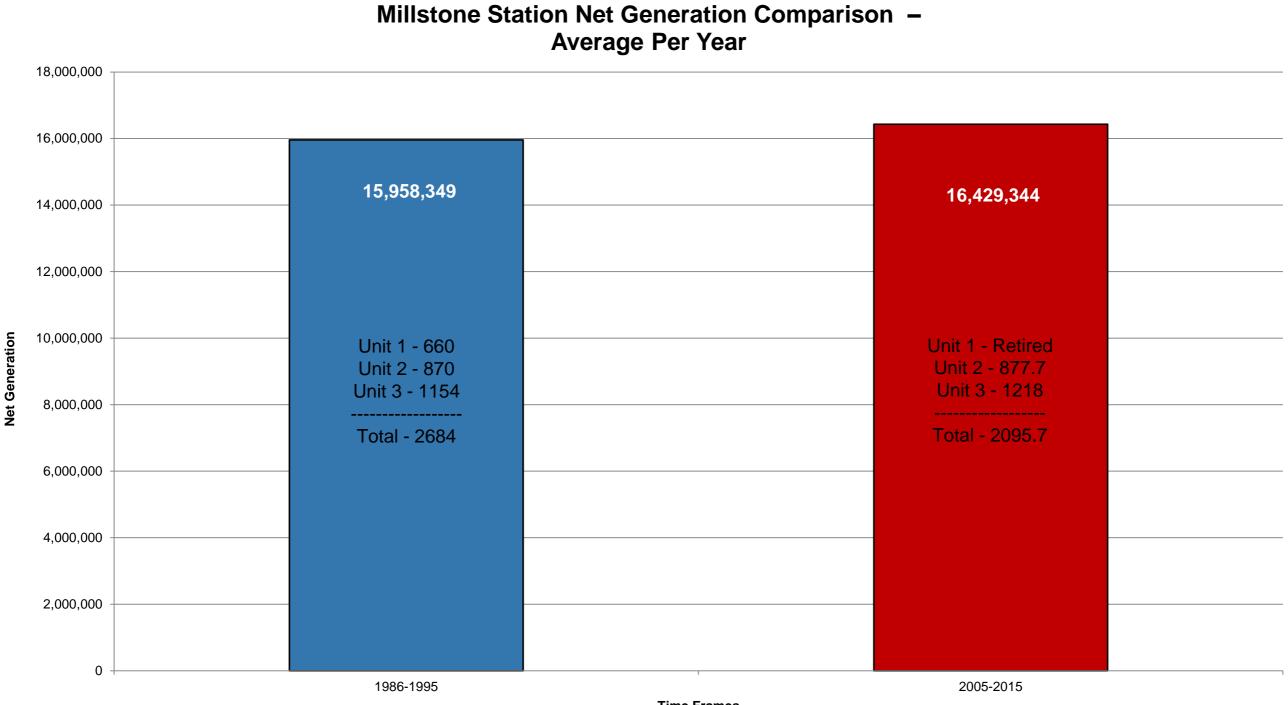
- Approximately 1,080 full time employees:
  - Annual payroll > \$100 million/yr
  - Average salary \$99,600/yr
  - Average "fully loaded" compensation is \$138,000/yr (excludes overtime and potential performance incentives)
- Supports 4,300 direct and indirect hobs
- Annually spends over \$200 million goods and services from vendors and contractors in Connecticut
- Over \$1 billion in capital investment in safety and efficiency since 2001
- Over \$45 million annually in state and local taxes
- Strong partnership with Three River Community College
- Over \$6 million in Connecticut philanthropic gifts over the last five years

Performance for the Long Term

#### > 2015 Performance

- Strong safety performance
- Record generation (17.4M MWhs)
- High capacity factors:
  - Millstone 2: 88.7% (including refueling outage)
  - Millstone 3: 100.%
- Long Term, In-state, Carbon Free Asset
  - Millstone 2 licensed through 2035
  - Millstone 3 licensed through 2045
  - Option for additional 20 years on each unit
    - No additional infrastructure required

#### **Historical and Current Operations**

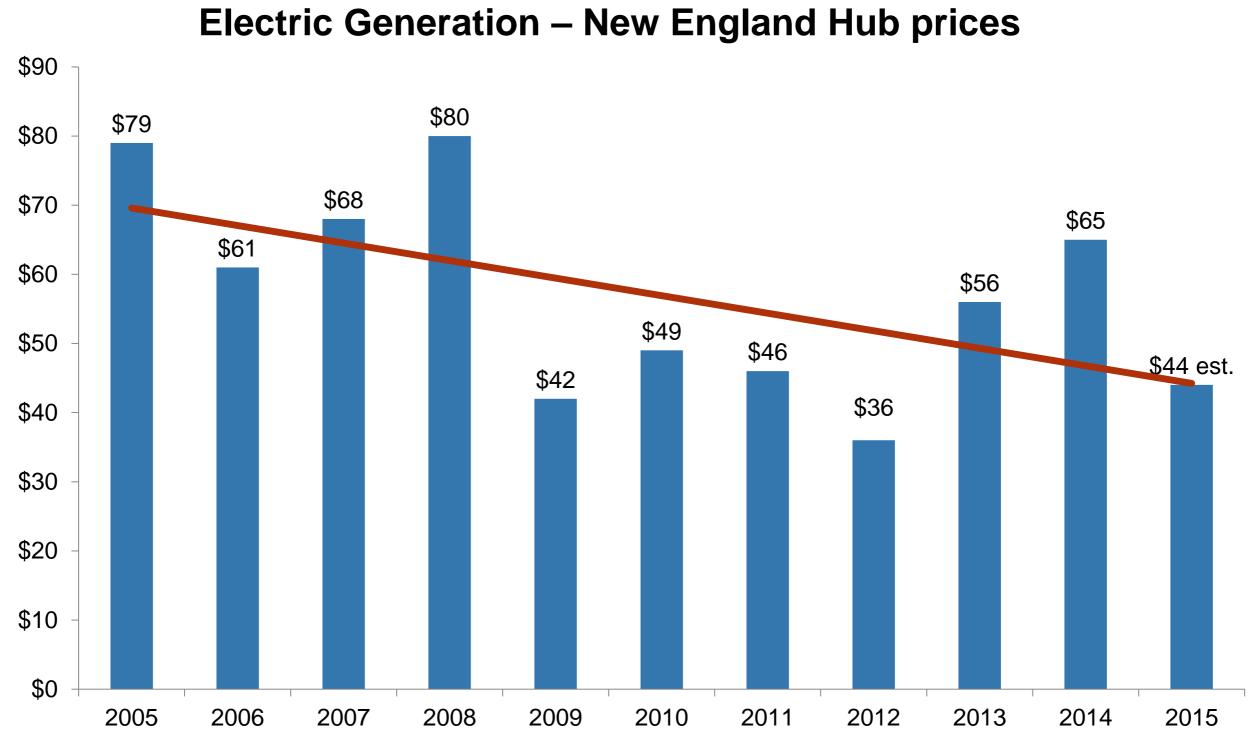


## Not all Megawatts are Created Equally

Generation Type	Capacity Factor	Carbon- free?	Dispatchable?	Long term, on site, fuel source?
Solar PV	25%	YES	NO	
Onshore Wind	36%	YES	NO	
Offshore Wind	38%	YES	NO	
Coal	85	No	YES	LIMITED
Combined Cycle Natural Gas	87%	NO (1/2 carbon of coal)	YES	VERY LIMITED
Nuclear	90%	YES	YES	YES

Source: U.S. Energy Information Administration, 2020 Levelized Costs of New Generation, June 2015

### Challenges



Average (\$/mwh)

## Challenges

#### 12 Year (2002 – 2014) nuclear plant cost trends

- 25% fuel cost increase
- 109% capital cost increase
- 13% operating cost increase
- 28% total increase in generating cost

#### Millstone "unique" aspect:

- Not like most two unit stations: two separate units with two different technologies
- Creates additional cost challenges

### Conclusions

- Millstone is critical for Connecticut and New England:
  - <u>E</u>conomics
    - Jobs, economic activity, taxes, etc.
  - <u>Environment</u>
    - Baseload, dispatchable, carbon-free resource
  - <u>E</u>nergy
    - Stable, efficient, long term electricity provider
- Energy markets are in flux:
  - Cheap gas, subsidies for preferred assets, early retirements
- Plan now:
  - Competitive advantage

## Thank You

