



**Dominion
Energy**[®]

December 2019

Grid Transformation and Security Act



Significant progress in implementation

#1 utility company nationwide in renewable energy*

The Grid Transformation and Security Act



#1 utility company nationwide in clean energy*

1. Pledged to have 3,000 MW wind and solar in operation or under construction in Virginia by 2022 – **40% complete as of October**
2. Began construction of offshore wind pilot project (\$300 million costs within existing rates) on July 1, 2019
3. **Announced largest offshore wind project in the U.S. on September 19, 2019**
4. Large scale pumped hydro energy storage under development and smaller-scale battery storage investment request pending with SCC
5. Expanded energy efficiency program offerings for customers
6. Expanded low-income EnergyShare assistance program – **\$13 million per year (shareholder funded)**
7. Issued request for “middle mile” broadband proposals to extend coverage to rural, unserved areas
8. Initiated grid modernization stakeholder engagement, leading to September 30, 2019 filing with SCC including smart meters, customer information platform, and cyber-security

Commitment to Sustainability



Working with policymakers while reducing emissions

52%

Reduced carbon emissions by 52% since 2005

80%

Pledged carbon reductions by 2050 – **accepted Governor Northam's 2050 challenge**

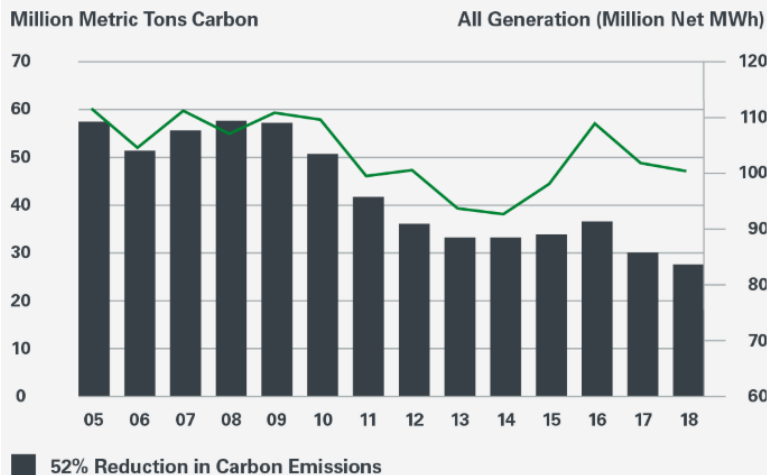
90%

Voluntarily reduced air emissions such as SO₂, NO_x, mercury by more than 90% even as generation has increased

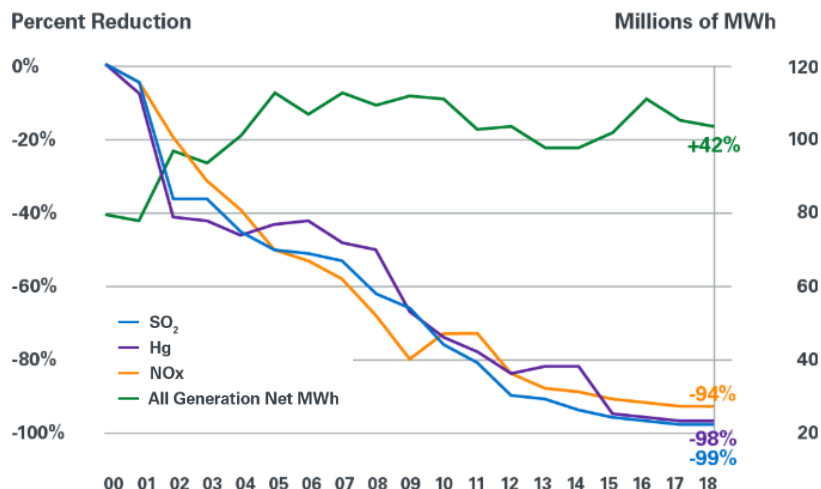
50%

Pledged methane reductions by 2030; 10 billion cubic feet saved through voluntary programs since 2010

Dominion Energy Carbon Emissions 2005-2018



Annual Reduction in Emissions by Percent



CEO Climate Dialogue

Working with industry to reduce emissions



“For more than a decade, Dominion Energy has embraced the opportunity to deliver cleaner, affordable and reliable energy. Our CO2 emissions have declined by more than 50%, and over 85% of our generation comes from low or no carbon sources. The CEO Climate Dialogue will work to build bipartisan solutions that promote innovation and achieve meaningful, economy-wide emission reductions while ensuring technological leadership and continued economic growth.”

- Thomas F. Farrell, Chairman, President & CEO, Dominion Energy



Solar Portfolio in Virginia

Rapid and continuing expansion



**Total solar capacity in Virginia = 1,760 megawatts
(about 440,000 customers at peak)**

- 2015: Total solar in Virginia was less than 1 MW (250 customers)
- 2018: key legislation passed, pledged 3,000 MW of new renewables by 2022
- 2019: by year end, solar in operation, under development or under construction in Virginia will be approximately 1,760 megawatts.

Fun facts:

- Virginia is slated to outpace North Carolina in solar installed during 2020
- Dominion Energy has more clean energy and energy storage than any other utility in the nation
- 1,760 MWs is the carbon equivalent of taking over 578,000 off the road annually

Offshore Wind Plans

Seizing first-mover advantage in wind development

- **Coastal Virginia Offshore Wind** pilot project (12 megawatts, 2 turbines)
 - Under construction; in-service late 2020
 - Key learnings from permitting, design, etc. to be applied to commercial-scale project
- **Commercial-scale offshore wind project** (2,600+ megawatts, more than 200 turbines)
 - Largest offshore wind project in the U.S.
 - Deployed in three phases of 880 megawatts in 2024, 2025, 2026
 - Enough energy to power 650,000 homes at peak wind output
 - Enormous domestic supply chain opportunity; economic game-changer for Hampton Roads
- **Virginia's first onshore wind project** to be dedicated to Commonwealth of Virginia facilities under new renewable energy procurement agreement



Electric School Bus Program

Helping reduce others' carbon footprint



- Launched the largest electric school bus program in the U.S.
- Program will **reduce emissions, provide cost savings to schools and enhance grid reliability**
- Initial phase – 50 buses fully operational in Virginia service territory by yearend 2020
- A phase 2 (with state approval) would expand program to 1,000 buses by 2025
- Phase 3 would set the goal to have 50% of all diesel bus replacements be electric by 2025 and 100% by 2030.
- Leverages “vehicle-to-grid” technology

Outdoor Lighting

Wide variety of fixture styles and options for VEPGA customers

- **The Light Emitting Diode (LED)** is one of today's most energy efficient and rapidly developing lighting technologies.
- Dominion Energy is proud to offer LED outdoor lighting rates to all of our Virginia customers, including VEPGA customers.
- Variety of outdoor lighting fixture styles, LED options, and dusk-to-dawn operation available.
- Schedule SSL provides attractive monthly rates for LED, and Schedule D outlines the low-cost flat rate conversion fee.



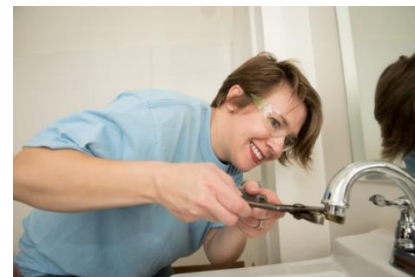
VEPGA LED Conversion Dashboard		
Requests Received	6459	
Design Complete	4792	74.2%
Current Lifecycle:		
To Be Designed	1667	25.8%
Awaiting Muni	1598	24.7%
Awaiting Fixtures	2216	34.3%
Released to Construction	978	15.1%
Total	6459	100.0%

Strengthening Communities We Serve



Providing assistance through the EnergyShare program

- Program has served Dominion Energy's customers with bill payment assistance since 1982
- 2015 expansion added free home energy assessments/energy efficiency upgrades and expanded outreach
- Further expanded in 2018: increased funding for veterans/persons living with disabilities and \$130 million funding commitment through 2028
- Today, a partnership with nearly 100 non-profits and state agencies
- **850,000+ families and individuals helped**
- **Launched Community Advisory Boards to bring additional local help to customers in need**



Key Metrics

(since 2015 expansion)

606,000

Peopled reached at outreach events

67,800

Families and individuals helped with bill assistance

8,900

Multi-family homes weatherized

4,500

Veterans served

4,300

Individuals with disabilities served