

VIRGINIA ENERGY PLAN

NASEO 2018 Annual Meeting – September 26, 2018

“Stakeholder Engagement in Comprehensive Energy Planning”



Virginia

A photograph of Governor Ralph Northam of Virginia, shown in profile from the waist up. He is wearing a dark suit, a white shirt, and a patterned tie. He is standing at a wooden podium with his hands resting on it. A microphone is positioned in front of him. The background is a wood-paneled wall.

“Virginia has a clear opportunity to act as a change agent in driving the development of U.S. offshore wind.”

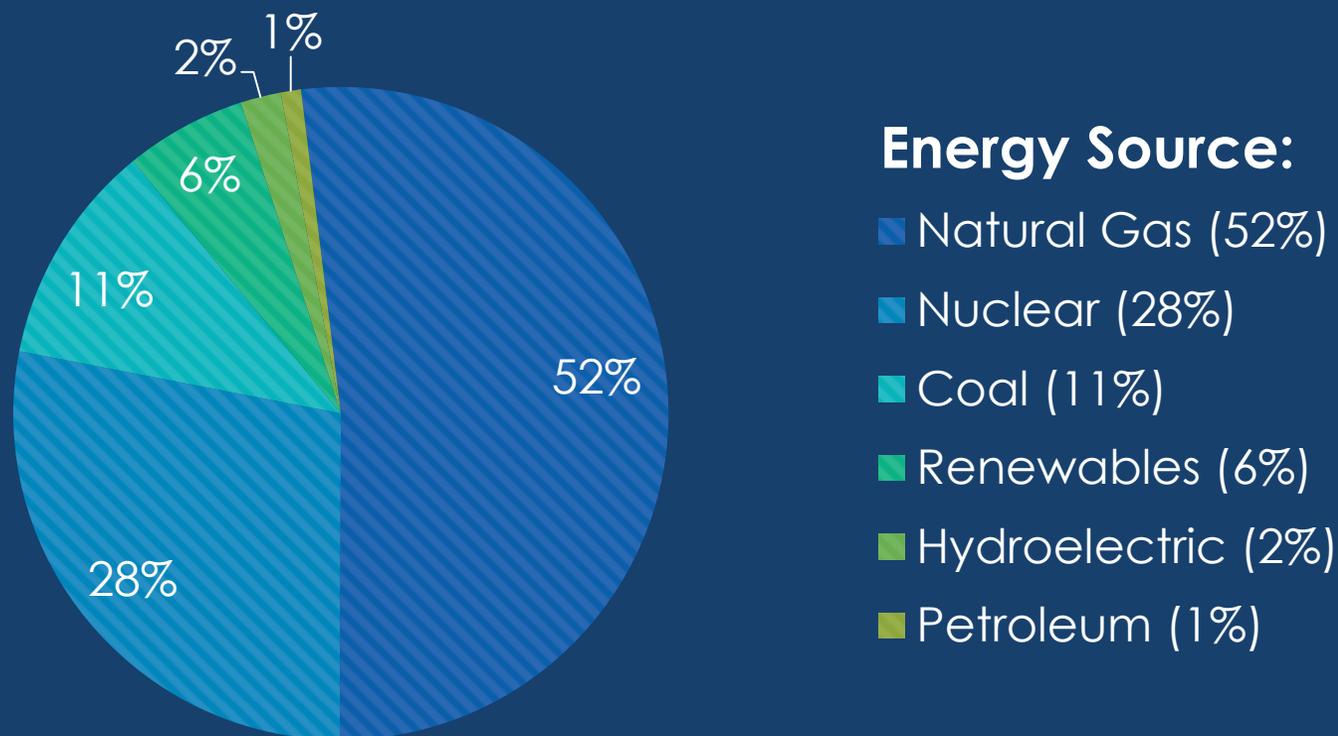
— Gov. Ralph Northam

**VIRGINIA
IS FOR
LO  ERS[®]**



ENERGY

Virginia's Electricity Generation (2016)



*Most recent figures

energy

wind solar renewable commonwealth clean virginia

va addition future projects new opportunity businesses market economic years gas infrastructure work national must metering natural help

use create net onshore virginians state support residential utility like rooftop industry electric providing local power well

efficiency plan jobs system part thank especially amp

schools fossil grid jobs system part thank especially amp

nofollow utilities investments mdash

incentives distributed also potential job propane develop growth

generation please

significant services climate

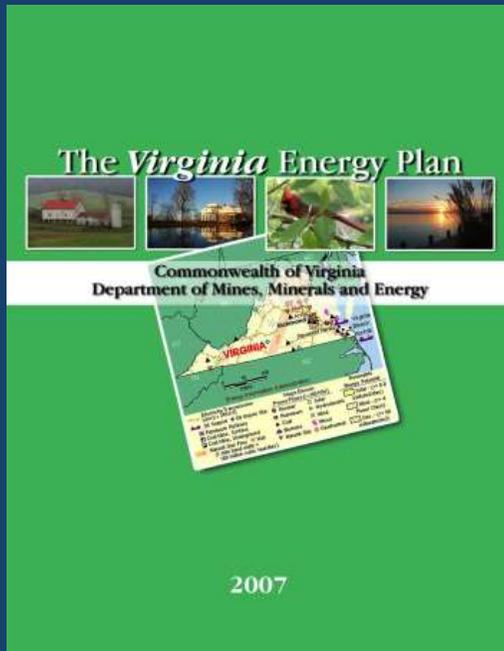
Virginia Energy Plan Requirements

- Va. Code § 67-201 directs the Department of Mines, Minerals and Energy to develop a comprehensive Energy Plan covering a 10-year period.
- The Plan must be submitted to the Governor, the State Corporation Commission and the General Assembly by October 1.
- The Plan is required to propose actions that are consistent with the Commonwealth's Energy Objectives (Va. Code § 67-101) and that will implement the Commonwealth's Energy Policy (Va. Code § 67-102).

Previous Virginia Energy Plans

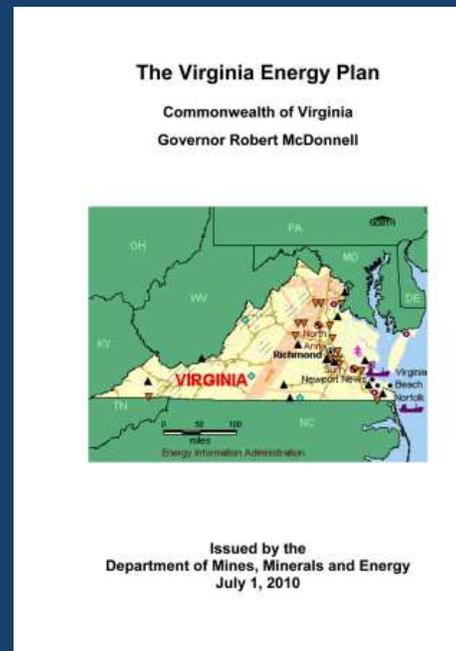
2007

Gov. Tim Kaine



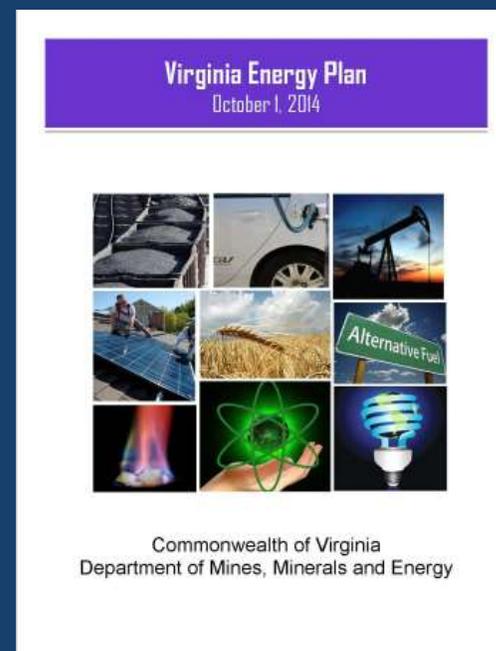
2010

Gov. McDonnell



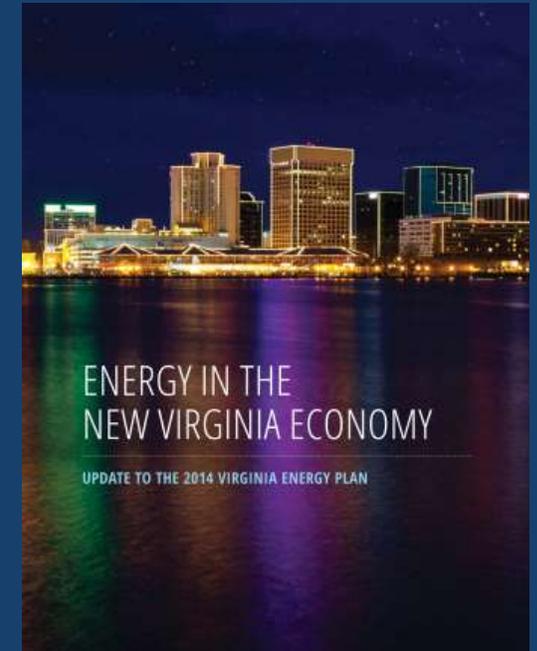
2014

Gov. McAuliffe



2014 Update

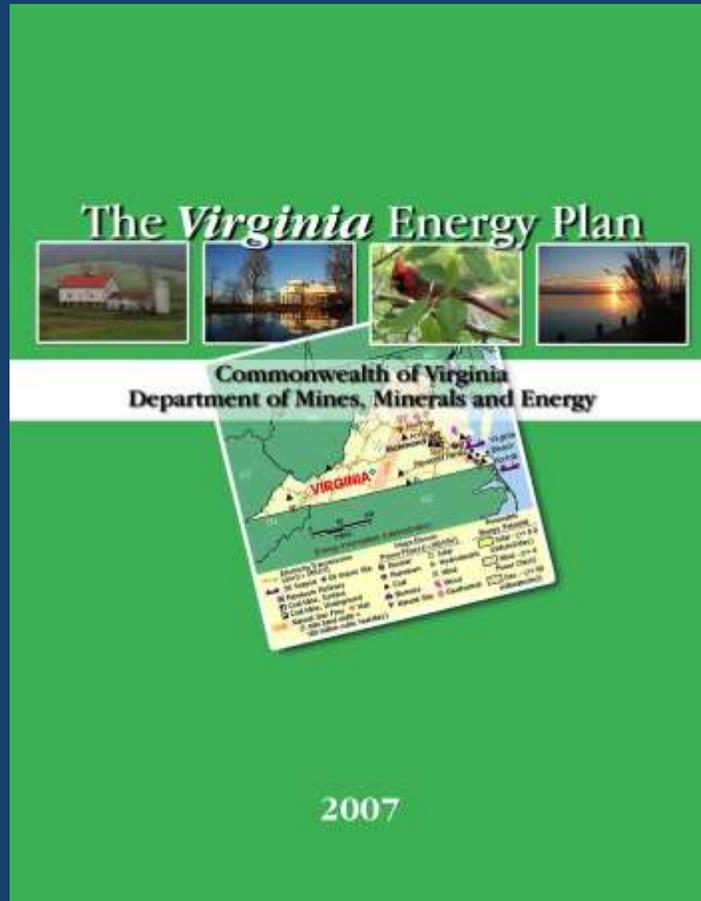
Gov. McAuliffe



2007 Virginia Energy Plan

Gov. Tim Kaine

- Increase energy independence, with an emphasis on conservation and clean fuel technologies
- Expand consumer energy education to overcome barriers to implementing energy-efficiency and conservation actions
- Reduce greenhouse gas emissions by 30 percent by 2025, bringing emissions back to 2000 levels.
- Capitalize on economic development opportunities through business expansion and increased research and development



2010 Virginia Energy Plan

The Virginia Energy Plan

Commonwealth of Virginia
Governor Robert McDonnell



Issued by the
Department of Mines, Minerals and Energy
July 1, 2010

Gov. Bob McDonnell

- Ensure availability of reliable energy supplies at reasonable costs
- Establish sufficient infrastructure
- Use resources efficiently and facilitate energy conservation
- Facilitate development of Virginia's low cost resources including clean coal and natural gas
- Facilitate development of less polluting energy sources
- Foster energy research and development
- Address environmental protection with energy facilities

2014 Virginia Energy Plan

Virginia Energy Plan
October 1, 2014



Commonwealth of Virginia
Department of Mines, Minerals and Energy

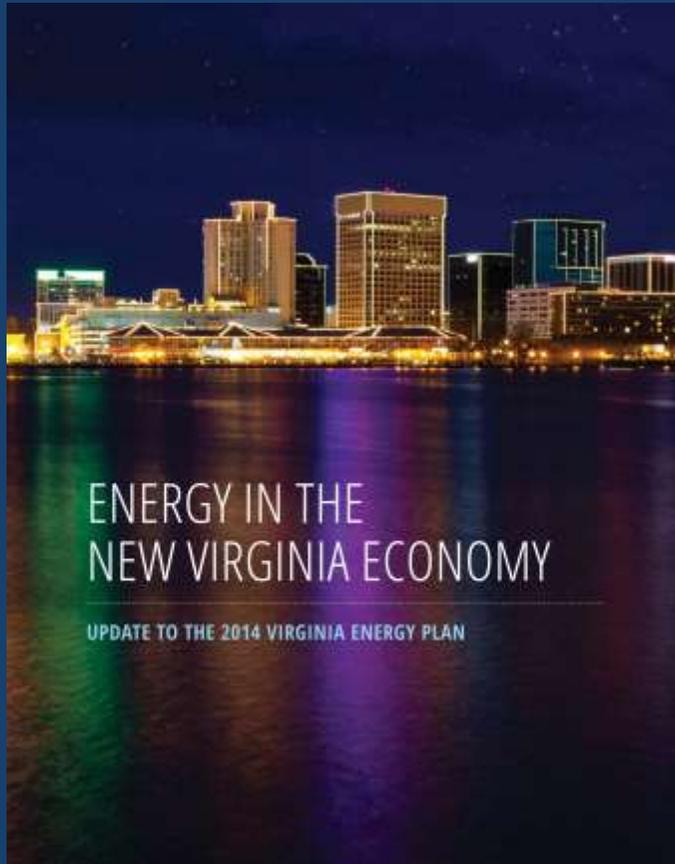
Gov. Terry McAuliffe

- Strategic growth in the energy sector
- Innovation reduce greenhouse gas emission and lower consumption
- Best-in-class infrastructure
- Talent development in the energy sector

2014 Virginia Energy Plan - Update

Gov. Terry McAuliffe

- 2016 update to the 2014 Plan given significant activity in the areas of focus
- By the middle of his term, Gov. McAuliffe had attracted \$500 million in capital investment in the clean energy industry and supported projects that could generate thousands of direct jobs and billions more in capital investment



2018 Virginia Energy Plan

- Streamlined plan with direct administrative, regulatory and legislative recommendations and lead-by-example strategies
- Greater collaboration with the Virginia Department of Environmental Quality
- Robust stakeholder engagement process
- Forward-looking energy policy and focus on energy innovation
- Builds on SB 966, the Grid Transformation and Security Act, passed in 2018

Grid Transformation and Security Act

The Grid Transformation and Security Act



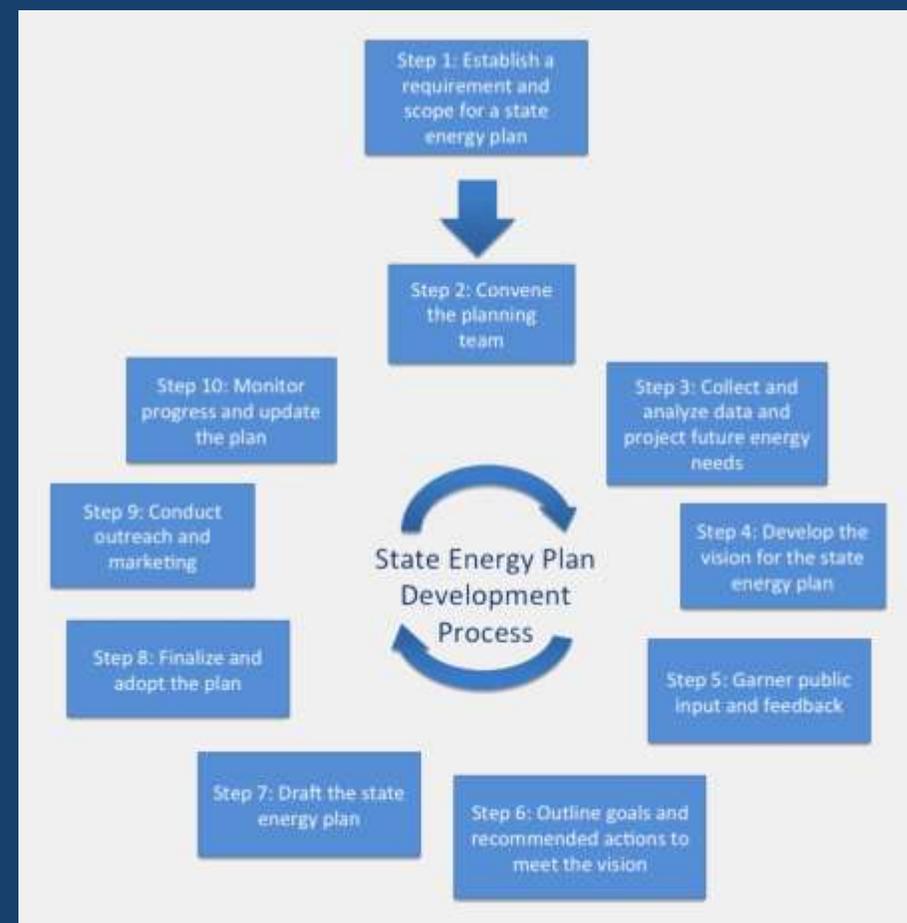
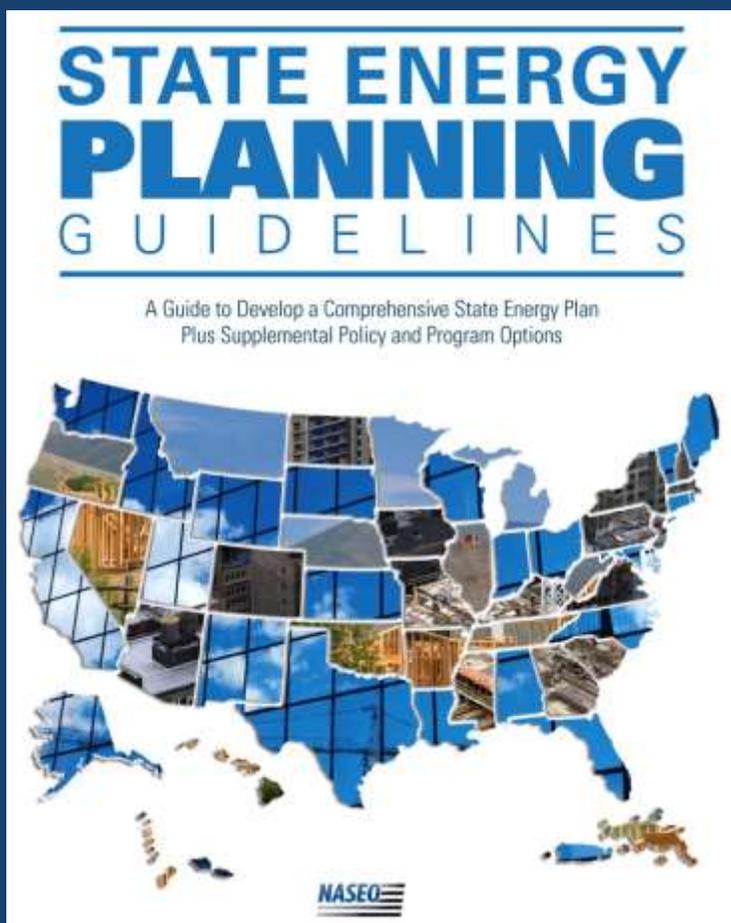
DominionEnergy.com/next

- 5,000 MW of utility-owned and utility-operated wind and solar resources deemed in the public interest
- 500 MW of rooftop solar resources that are less than 1 MW in size deemed in the public interest
- Investor-owned utility investments of over \$1.1 billion for energy efficiency programs
- Cost recovery structures for projects that modernize the grid and support the integration of distributed energy resources

State Energy Plan Development Process

NASEO

National Association of
State Energy Officials



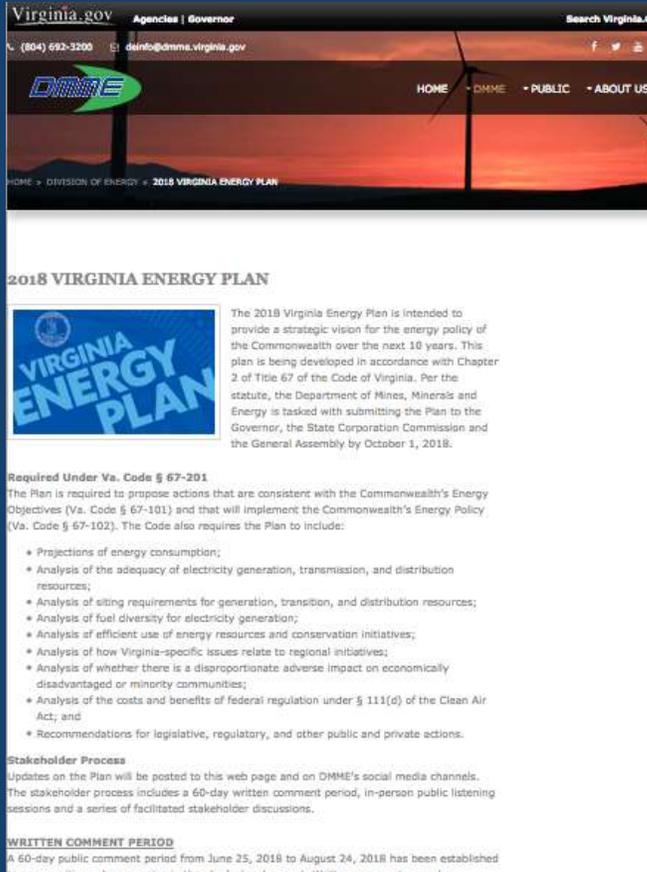
State Energy Plan Development Process

<p>Step 1: Establish a requirement and scope for a state energy plan to give the plan the appropriate influence and authority.</p>	<p>Step 6: Establish goals and recommended actions to outline the strategy and process to achieve the state energy plan objective(s).</p>
<p>Step 2: Convene the planning team that reflects the cross-section of energy sector stakeholders.</p>	<p>Step 7: Draft the State Energy Plan to provide a clear representation of the planning process and recommended actions.</p>
<p>Step 3: Collect and analyze data and project future energy needs to establish a baseline and assessment for the current and future energy needs.</p>	<p>Step 8: Finalize and adopt the plan to ensure that the plan meets the objectives as laid out in the authorizing vision and establish the plan as the strategy for meeting the state's energy needs.</p>
<p>Step 4: Develop an accurate vision to reflect the state's overarching purpose and energy objectives.</p>	<p>Step 9: Conduct outreach and marketing to guarantee that the public is aware of the state energy plan and planning process as needed and recognizes it as the overarching state energy strategy.</p>
<p>Step 5: Garner public input and feedback to collect insight from consumers, businesses, industry, and other stakeholders.</p>	<p>Step 10: Monitor progress and update the plan to assess the accomplishments and progress and formulate any necessary modification to the analysis or actions.</p>

Overview of Stakeholder Engagement

1. Stakeholder Process Updates
2. Written Comment Process
3. Public Listening Sessions
4. Facilitated Stakeholder Tracks
5. Other Input

Stakeholder Process Updates



○ Established a one-stop shop for information:
www.dmme.virginia.gov/DE/VirginiaEnergyPlan.shtml

○ Active social media presence:



/VADMME



/DMMEVA



/VADMME

Written Comment Process

The screenshot shows the Virginia Regulatory Town Hall website. The header includes the Virginia.gov logo and navigation links for Agencies and Governor. The main content area is titled "Public Comment Forum" for the Department of Mines, Minerals and Energy. It features a "General Notice: 2018 Virginia Energy Plan" which is closed, having opened on 8/25/2018 and ended on 8/24/2018. The notice explains that the forum is designed to facilitate public participation in developing the 2018 Virginia Energy Plan, intended to provide a strategic vision for the state's energy policy over the next 10 years. A link is provided for more information: <https://www.dmrme.virginia.gov/de/VirginiaEnergyPlan.shtml>. Below the notice, there is a link to "View all comments on one page" and a table of comments.

Comment Title	Commenter	Date
Stop the Rocky Forge Wind Scam	Michael Jamison/ Alternative Energy Systems	8/25/18 12:21 am
Our energy plan	Bob Peckman	8/24/18 11:51 pm
Change our Energy Future - Plan Based on Renewables & Conservation	Louise Ward, 50 Ways Rockbridge Environmental Committee	8/24/18 11:35 pm
Virginia Energy Plan	Beth Stockner	8/24/18 10:57 pm
VA Energy Plan for 2018 and Beyond	Erica Gray	8/24/18 10:37 pm
Virginia Energy Plan Update	Ian Landon, President of the Virginia Oil and Gas Association	8/24/18 10:32 pm
Green Industry Hype Substituted for Rational and Cost-Effective Public Policy	George Mears, Retired geologist and environmental engineer	8/24/18 10:07 pm

- Sixty-day public comment period began on June 25 and ended on August 24
- Written comments were submitted on Virginia Regulatory Town Hall
- Received over 1,000 comments and recommendations

Public Listening Sessions

**Six issue-specific
and general public
listening sessions
across the
Commonwealth**



Facilitated: Regulatory Assistance Project



- Governor's Office contracted with Regulatory Assistance Project (RAP) to facilitate discussions on:
 - Energy Efficiency (3)
 - Electric Vehicles (1)
 - Advanced Transportation (1)

Facilitated: Meridian Institute



- Dominion Energy contracted with Meridian Institute to design and facilitate a stakeholder engagement process that focused on four specific topics set forth in the Grid Transformation and Security Act (SB 966):
 - Potential improvements to net metering programs
 - Potential improvement to the pilot programs for community solar development
 - Expansion of options for customers with corporate clean energy procurement targets; and
 - Impediments to the siting of new renewable energy projects.

Facilitated: Meridian Institute cont.



- The process was executed in close collaboration with the Governor's Office, and the findings were considered for 2018 Virginia Energy Plan.
- The stakeholder engagement process had four primary components:
 - Public kickoff meeting
 - Series of stakeholder group meetings (13 meetings)
 - Online survey to collect written comment
 - Public forum on August 28, 2018.

Facilitated: Meridian Institute cont.



- Stakeholder group meeting categories:
 - Solar energy industry and advocacy organizations
 - Wind energy industry and advocacy organizations
 - Organizations representing other energy sources
 - Environmental and environmental justice organizations
 - Business associations and large customers
 - Historic preservation and land use organizations
 - Advocacy groups for energy affordability for residential customers
 - Local governments
 - Virginia electricity providers

Other Input

- Virginia Nuclear Energy Consortium Authority
- Virginia Offshore Wind Development Authority
- Virginia Solar Energy Development and Energy Storage Authority
- Northam for Governor Transition Report
- Administration Priorities
- Individual/Organization Meetings

Stakeholder Impact

- New policy landscape that will continue to drive investment in energy innovation
- Forward-looking deployment of the distributed and utility-scale resources: (1) Solar and Onshore Wind (2) Offshore Wind (3) Energy Efficiency (4) Energy Storage and (5) Electric Vehicles and Advanced Transportation
- Grid modernization, transformation and resilience
- No disproportionate impacts to low-income and minority communities
- Reduce carbon pollution from the electric power sector

Contact Information

Will Payne, Chief Deputy

Virginia Department of Mines, Minerals and Energy

804-692-3201 office

will.payne@dmme.virginia.gov

For information about the Virginia Energy Plan, visit:

www.dmme.virginia.gov/DE/VirginiaEnergyPlan.shtml