

# VIRGINIA ENERGY PLAN

**Hampton Roads Listening Session**

**July 25, 2018**

# Requirements of the Plan

- The Department of Mines, Minerals and Energy is responsible for preparing an Energy Plan covering a 10-year period.
- The Plan must be submitted to the Governor, the SCC Commissioners, 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).

# Additional Requirements

Va. Code § 67-201 also requires the Energy Plan to include:

1. Projections of energy consumption;
2. Analysis of the adequacy of electricity generation, transmission, and distribution resources;
3. Analysis of siting requirements for generation, transmission, and distribution resources;
4. Analysis of fuel diversity for electricity generation;
5. Analysis of efficient use of energy resources and conservation initiatives;
6. Analysis of how Virginia-specific issues relate to regional initiatives;
7. Analysis of whether there is a disproportionate adverse impact on economically disadvantaged or minority communities;
8. Analysis of the costs and benefits of federal regulation under § 111(d) of the Clean Air Act; and
9. Recommendations for legislative, regulatory, and other public and private actions.

# Overview of Stakeholder Engagement

1. Stakeholder Process Updates
2. Written Comment Period
3. Listening Sessions
4. Stakeholder Tracks

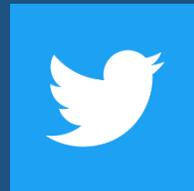
# Stakeholder Process Updates

○ Visit: <https://www.dmme.virginia.gov/DE/VirginiaEnergyPlan.shtml>

○ Follow Us:



/VADMME



/DMMEVA



/VADMME

# Written Comment Process

- 60-day public comment period began on June 25 and ends on August 24.
- Written comments may be submitted on DMME's "Virginia Energy Plan" web page:  
<https://www.dmme.virginia.gov/DE/VirginiaEnergyPlan.shtml>

# Listening Session Process

- Listening Session Dates:
  - June 25, 2018 in Richmond
    - Stakeholder Kickoff Meeting and Public Listening Session
  - July 23, 2018 in Richmond
    - Solar Energy Development & Energy Storage Authority Meeting and Public Listening session
  - July 25, 2018 in Newport News
    - Offshore Wind Energy Stakeholder Meeting and Public Listening Session
  - July 30, 2018 in Roanoke
    - Public Listening Session
  - July 31, 2018 in Abingdon
    - Public Listening Session
  - August 16, 2018 in Fairfax
    - Public Listening Session

# Stakeholder Tracks

1. Solar and Wind Resources
2. Energy Efficiency
3. Electric Vehicles and Advanced Transportation
4. Storage
5. Offshore Wind

# Solar and Wind Resources - Background

## ○ Completed Recommendations:

- Established Virginia Solar Energy Development Authority
- Increased the net metering cap for non-residential solar generating systems from 500KW to 1MW
- Extended tax exemptions for large, utility-scale solar generation facilities
- Developed mechanism to allow individuals to pool resources for an off-site installation (Community Solar)

## ○ Other Recommendations:

- Increase the residential cap on net metering from 20kW to 40kW
- Increase the overall net metering program from 1% of the utility's peak load to 3% of peak load
- Make third-party Power Purchase Agreements (PPA) available throughout all utility service territories
- Increase the total PPA installation cap from 50MW to 100 MW and increase the installation-specific cap from 1MW to 2MW

# Solar and Wind Resources - Process

- Current Ongoing Stakeholder Work:
  - Rubin Group
  - Requirements under Senate Bill 966
  - Solar Energy Development and Energy Storage Authority
- Facilitation Structure:
  - Focus on the same core issues as SB966
    - Net metering
    - Community solar
    - Corporate clean energy procurement
    - Siting of new projects
  - Facilitator: Meridian Institute
- Meeting Dates:
  - July 10, 2018 kickoff meeting in Richmond
  - August 22, 2018 public forum in Richmond

# Energy Efficiency - Background

## ○ Completed Recommendations:

- Established a Virginia energy efficiency board
- Enacted legislation facilitating Commercial Property Assessed Clean Energy (C-PACE)
- Launched the VirginiaSaves program to provide additional financing mechanisms for efficiency programs
- Developed a streamlined energy performance contracting program from Virginia facilities
- Strengthened the Commonwealth's building codes

## ○ Other Recommendations:

- Reach the voluntary goal of reducing energy consumption by 10 percent by 2020
- Reduce electricity consumption in State facilities by 15% through EPC by 2017
- Create central State facility energy data registry and dashboard to track energy consumption in State agencies
- Engage social entrepreneurs to explore and implement innovative models to aid energy efficiency

# Energy Efficiency - Process

- Current Ongoing Stakeholder Work:
  - Governor's Executive Committee on Energy Efficiency
  - Requirements under Senate Bill 966
- Facilitation Structure:
  - Focus on:
    - Achieving Virginia's 10% energy conservation target
    - Lead by example strategies
    - Financing
    - Program design for DMME-funded programs
  - Facilitator: Regulatory Assistance Project
- Meeting Dates:
  - June 25, 2018 in Richmond
  - July 18, 2018 in Richmond and via video conference
  - August 1, 2018 in Richmond and via video conference

# Offshore Wind - Background

## ○ Recommendations:

- DMME and DEQ should use full authorities to develop the 113,000 acre Virginia Wind Energy Area
- Pursue Federal opportunities to develop offshore wind beyond Virginia Wind Energy Area
- Establish Virginia as an ideal manufacturing, operational and supply chain hub
- Successfully assess wind industry supply chain and publicize Virginia's assets
- Virginia should engage with developers and supply chain to create a timeline for port upgrades

# Offshore Wind - Process

- Current Ongoing Work:

- Two-turbine 12MW Dominion/Orsted project slated for 2020 construction
- Dominion 2000MW commercial development plan tracking BOEM approval 2022-2023
- DMME RFP to develop strategies to strengthen Virginia's position in attracting the offshore wind supply chain and service industry
  - Workforce Development
  - Business Incentives/Business Climate
  - Partnerships (Supply Chain)

- Meeting Date:

- July 25, 2018 in Newport News

# Electric Vehicles - Background

## ○ Recommendations:

- Expanded Commonwealth Alternative Fuels Program to 300 vehicles by the end of 2017
- Leveraged funding for alternative fuel educational outreach and deployment between private sectors and federal dollars
- Doubled the number of alternative fuel stations from 400 to 800 stations
- Increased electric vehicles usage by 36% for hybrids and 303% for battery electric and plug-ins

# Electric Vehicles - Process

- Facilitation Structure:

- Focus on:

- Electric vehicle infrastructure deployment
    - Strategies to expand electric vehicle adoption
    - Integration of emerging technologies
    - Additional advanced transportation policies

- Facilitator: Regulatory Assistance Project

- Meeting Dates:

- July 18, 2018 in Richmond and via video conference
  - August 1, 2018 in Richmond and via video conference

# Energy Storage

- Current Ongoing Stakeholder Work:

- Virginia Solar Energy Development and Energy Storage Authority
  - VSEDA mission expanded in 2017 to include energy storage

- Energy Storage Study:

- 2018 State Budget Item 117-C includes funding for 2-year study
  - VSEDA and DMME to “Conduct a study to determine whether or not future legislation in the form of regulatory reforms and incentives will prove fruitful in encouraging emerging energy storage capacity in the Commonwealth”
- RFI under development to help inform content of the study

- Meeting Date:

- July 23, 2018 in Richmond

# Stakeholder Process Updates

- For information about the full stakeholder engagement process, visit the 2018 Virginia Energy Plan web page at:  
<https://www.dmme.virginia.gov/DE/VirginiaEnergyPlan.shtml>

- Follow us online for updates:



/VADMME



/DMMEVA



/VADMME