Virginia Energy Plan (VEP) Goals

The 2014 Virginia Energy Plan (VEP) established four overarching goals, with several recommendations and tasks identified under each goal to be achieved:

I. Strategic Growth in the Energy Sector

1. Accelerate the Development of Renewable Energy Sources in the Commonwealth to Ensure a Diverse Fuel Mix and Promote Long-Term Economical Health
2. Make Virginia a Leader in Energy Efficiency to Reduce Consumption and Spur Economic Growth
3. Go Global with Coal Technology
4. Pursue the Development of Virginia’s Offshore Gas and Oil Resources
II. Expand Best-In-Class Infrastructure

5. Expand, Improve, and Increase the Reliability of Virginia’s Energy Infrastructure

III. Advanced Vehicle Technology and Alternative Fuels

6. Accelerate the Development of Advanced Vehicle Technology and the Use of Alternative Fuels for Vehicles in the Commonwealth

IV. Talent Development in the Energy Sector

7. Expand the Foster an Education Environment to Prepare the Next Generation of Virginia’s Energy Workforce
Trends (2014 and 2016 Data)

- 46 states with financing programs
- Estimated funds in marketplace: +$2 billion. This figure does not include:
  - Significant private capital leveraged in primary and secondary markets
  - Financing program “support” provided by SEOs (i.e., for PACE)
- Major sectors targeted:
  - Buildings
  - Industrial
  - Transportation
  - Commercialization

NASEO’s “State Energy Loan Fund” database. Last major update: December 2014. Also based on data provided from 26 states in January 2016.
Recommendation 6A. – State agencies and localities should purchase vehicles that use non-traditional sources [fuel types like propane and CNG] to meet the transportation needs of the Commonwealth’s public sector.

Task – The state will facilitate this through the expansion of the Commonwealth Alternative Fuels Program. The goal is to advance the first 100 vehicles by October 1, 2015 and deploy at least 300 vehicles by the end of the Administration. This work will be facilitated by DMME and DGS utilizing Federal Congestion Mitigation and Air Quality (CMAQ) funds to support the incremental costs of appropriate alternative fuel vehicles, and by engaging state and local fleets in this effort.
Virginia Energy Plan Goal – 300 NG/LPG vehicles by December 2017

Needed to reach goal
LPG Local
LPG State
CNG Local
CNG State
Energy Performance Contracting for state, local agencies
Virginia Energy Plan: QECB Energy Financing Programs

VirginiaSAVES/QECB Funding

- Remaining Funds
- Warren County
- St. Anne's Belfield School
- Pittsylvania County Schools

FY 2016 - Q2
VEP Recommendation: P3 Approach to Solar Deployment

Recommendation 1B. - *Establish the Virginia Solar Energy Development Authority based on the model of the Virginia Offshore Wind Development Authority*

**Task** - Facilitate partnerships between Virginia’s electric utilities, government and private generation developers to install 15MW of solar energy generation at state and local government facilities, and 15MW of solar energy generation at commercial, industrial, and residential facilities by June 30, 2017.

**Help Underway** – DE is working with DM, DMM and DMLR to identify private abandoned mine sites and state properties for solar/wind projects. Need to connect JMU Wind Center team with DMME contacts to discuss best sites to pursue.