

The Virginia Energy Plan and Executive Order 48

Presented to the
Governor's Commission on Climate Change
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The Virginia Energy Plan

- 2006 legislative direction
- Legislative energy policy statements and objectives
- DMME asked to lead development
- Energy Plan Advisory Group, public, DEQ, SCC, other agencies, VCCER input
- 10-year plan, updated every 5 years
- Coordinate with legislative Commissions
- Issued September 12, 2007



Virginia Energy Plan Contents

- Introduction and Executive Summary
- Virginia Energy Resources & Consumption
- Energy Efficiency & Conservation
- Energy Infrastructure
- Energy and the Environment
- Energy Research & Development
- Recommendations



Virginia Energy Plan - Goals

- **Increase Virginia's energy independence**
 - Reducing the rate of growth of energy use by 40 percent
 - Increasing in-state energy production by 20 percent
- **Expand consumer energy education**
- **Reduce greenhouse gas emissions**
- **Increase economic development / R&D**
 - Alternate transportation fuels, nuclear technology, coastal energy production, and carbon capture and storage



Climate Change and Greenhouse Gas Emission Goal

- **Return Virginia emissions to 2000 levels by 2025**
 - **30% reduction from business as usual**
 - **Energy efficiency & renewables reach about 1/2 of goal**
 - **10% electricity conservation**
 - **12% renewable portfolio standard**
 - **10% reduction in gasoline consumption**
 - **Climate Change Commission to address**
 - **Mandatory reporting of GHG emissions**



Climate Change Commission

- **Recommended Commission Actions**
 - Calculate size of and contributors to Virginia's carbon footprint
 - Address likely effects of greenhouse gas concentrations on Virginia
 - Identify needed adaptations
 - Identify other actions needed to meet greenhouse gas reduction goal



Executive Order 48

- **State Government - Lead By Example**
 - Reduce conventional energy costs 20% by 2010
 - Publish state energy use & GHG emission reductions
 - Certified agency energy managers
 - LEED / Energy STAR new construction & major renovations, green roofs / solar photovoltaics
 - Lease preference – LEED / Energy STAR, transit, pedestrian oriented
 - Purchase / lease high MPG, low-emission vehicles
 - Maximize use of biofuels
 - Purchase Energy STAR equipment, recycled paper



Executive Order 48

- **Governor's Energy Policy Advisory Council**
 - Evaluate implementation of the Virginia Energy Plan
 - Identify & advise on energy issues
 - Work with the Climate Change Commission – Address energy-specific issues

