

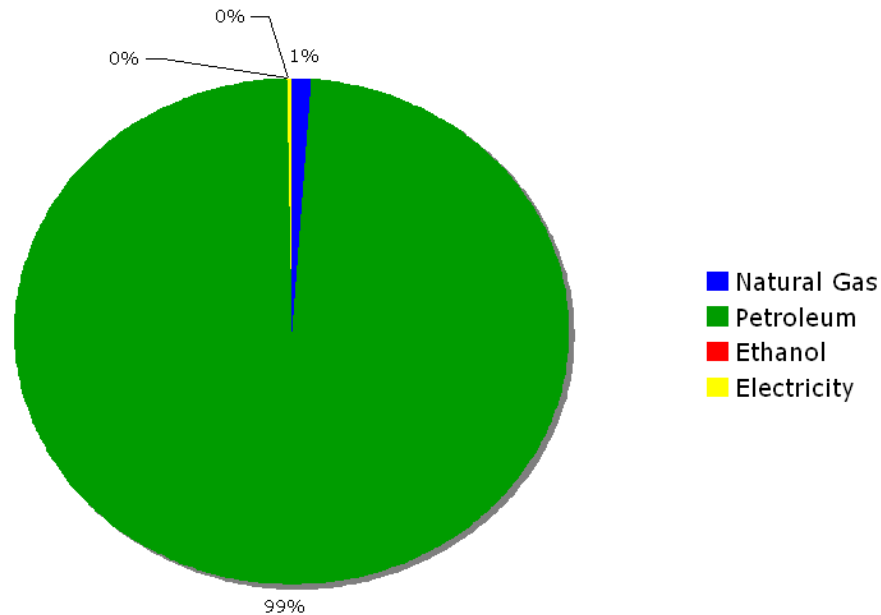


Opportunities for Alternative Fuel Vehicles in Virginia

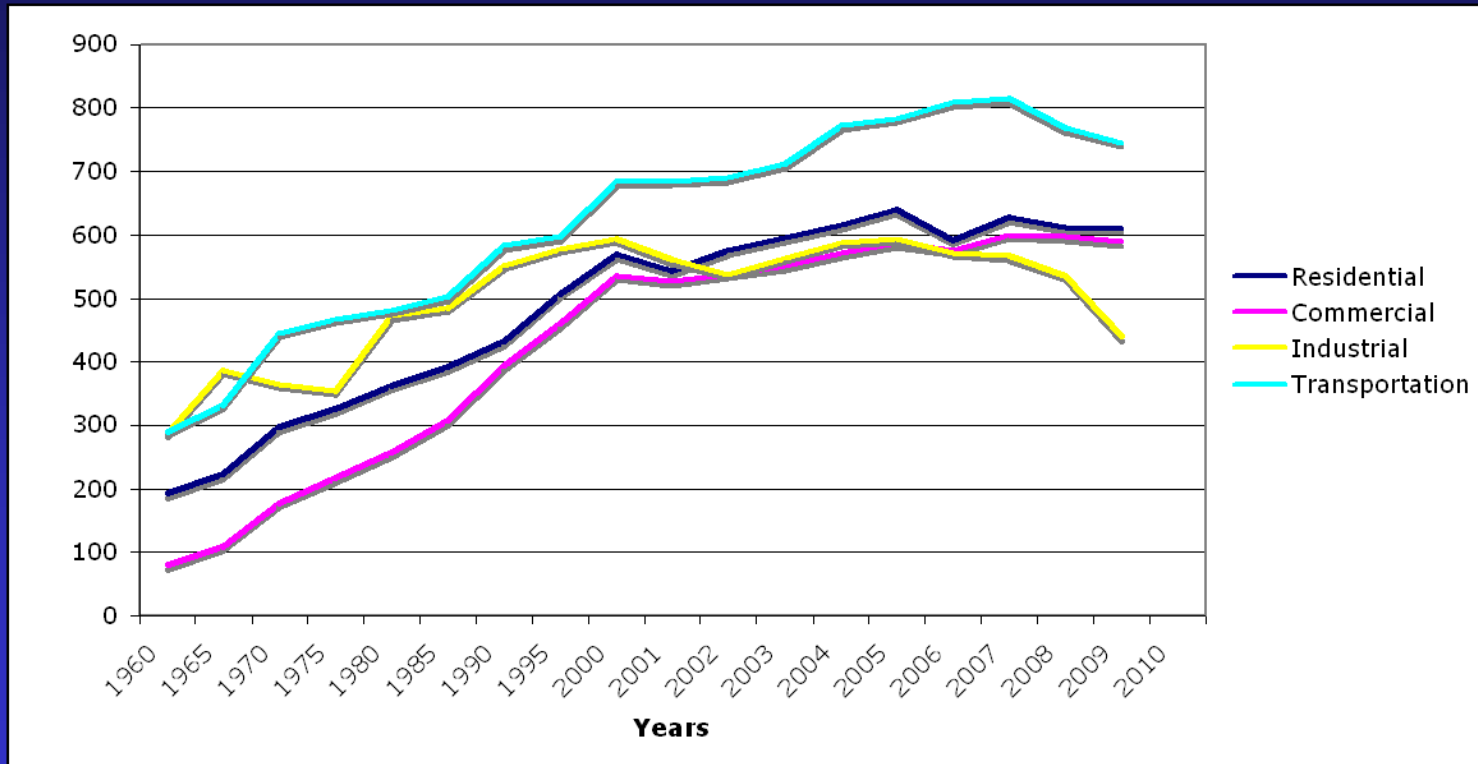
Governor's Transportation Conference
December 8, 2011

Energy Consumption for Transportation in VA

Virginia Transportation Sector Consumption, 2009



Consumption by Sector



Data came from: <http://www.eia.doe.gov/state/state-energy-profiles.cfm?sid=VA>

Federal Opportunities

Federal (expires Dec 31, 2011)

- IRS 30% tax credit for fueling infrastructure to \$30,000
- Residential \$1,000 infrastructure credit
- \$0.50 per GGE excise credit
- Vehicle tax credits
- Various programs like Clean Cities, Congestion Mitigation and Air Quality, Alt Transportation Parks, USDA
- Natural Gas Act
 - reinstate the 4 levels of vehicle tax credits
 - \$7,500 for light duty vehicles, up to \$64,000 for heavy duty
 - reinstate the \$0.50 per GGE fuel credit
 - Increase refueling property tax credit to 50% or \$100,000 per station (whichever is less) and the home refueling from to \$2,000.
 - Production tax credit for manufacturers
- EVSE Incentive – Chargepoint America
 - Free chargers Northern VA localities (COG)
 - Installation required at purchaser expense
- Federal Govt (GSA) purchasing 100+ EVs
some deploying in DC



State Opportunities

- Natural Gas Vehicle Infrastructure added to Virginia Resources Authority eligibility and Literary Fund for school boards
- Alternative Fuels Job Creation Tax Credit \$700/employee
- Green Jobs Tax Credit \$500/employee
- Alternative Fuels Revolving Fund
- HOV lanes for users of alternative fuel vehicles
- Special Fuel Rates and Technical Assistance from utilities
 - Plug-in Electric Vehicle Charging rate incentive
- Local Government AFV property tax exemption
- Retail Electric Vehicle Charging
 - Retail sale is not considered



All-electric and plug-in hybrid electric vehicles are charged by plugging the vehicle into an electric power source. Photo by Andrew Hudgens, AP/EL/Pix 17654

State Fleet

Fuel Type	# of Vehicles
Biodiesel	11
CNG	209
Diesel	2724
E85	2560
Electric	23
Gasoline	9962
Hybrid	34
Propane	11
GRAND TOTAL	15534

Plan to Convert the State Fleet

- **HB 2282 - Enacted April 6, 2011, Chapter 813**
 - *“ establish a plan providing for the replacement of state-owned or operated vehicles with vehicles that operate using natural gas, electricity, or other alternative fuels, to the greatest extent practicable, considering available infrastructure, the location and use of vehicles, capital and operating costs, and potential for fuel savings. The plan shall be submitted to the Governor for his review and approval. Once the plan is approved by the Governor, the Director shall implement the plan for the centralized fleet. All state agencies and institutions shall cooperate with the Director in developing and implementing the plan.”*
- **April 2001, Governor Directed DGS and DMME to:**
 - Collect state-owned vehicle data
 - Work with VML/VaCO to collect local government vehicle data
 - Investigate fuel infrastructure availability
 - Determine interest from private sector in investing in alternative fuel solutions

Plan to Convert the State Fleet

- Executive Order 36: “Moving Toward Alternative Fuel Solutions for State-Owned Vehicles”
 - Represents Plan required by Chapter 813
 - Directs the release of a Public-Private Partnership solicitation pursuant to the Public-Private Education Facilities and Infrastructure Act of 2002 (PPEA)
 - Asking private sector to develop 2 year, 2 – 5 year, and 5 – 10 year implementation plan
 - Plan must be: practicable; financially viable; consider available infrastructure; location and use of vehicles; capital and operating costs; and, potential for fuel savings
- PPEA Solicitation issued on July 22, 2011
- 14 Responses Received October 21, 2011
- Two proposals moving forward to the detailed phase