

American Recovery and Reinvestment Act Energy Programs In Virginia

Virginia Commission on Energy and Environment

June 24, 2009

Senate Room A, General Assembly Building
Richmond, Virginia



Information Sources

- <http://www.stimulus.virginia.gov/>
- <http://www.recovery.gov/>
- <http://www.doe.gov/recovery/>
- <http://www.dmme.virginia.gov/DE/arra1.shtml>



Information Sources

- <http://www.dmme.virginia.gov/DE/arra1.shtml>
- **What is here:**
 - Virginia's SEP-ARRA application
 - One-page summary of same



Stimulus.virginia.gov

- Governor Kaine opened for suggestions
- From February 10 to the March 6 deadline, more than 9,000 project proposals by citizens, localities, and other groups
- + \$15 billion for energy-related proposals
- + \$465 billion for all proposals



ARRA Accountability and Transparency

- Award & distribute funds in a prompt, fair, reasonable manner
- Recipients and uses of funds to be transparent
- Report public benefits clearly, accurately, & timely
- Use funds for authorized purposes
- Take every step to prevent fraud, waste, error, & abuse.
- Avoid delays and cost overruns
- Meet specific goals and targets
- Contribute to improved performance on broad economic indicators



ARRA Reporting Metrics

- State reports to the federal government – passed through to recipients
 - How funds are being used
 - Descriptions & status reports on stimulus-related projects
 - Estimates of jobs saved or created
 - Estimates of tax increases averted
 - Program-specific metrics such as energy saved or renewable energy produced



State Energy Program (SEP)

- **State Energy Program**
 - Formula grants to Virginia
 - \$70 million from State Energy Program
 - \$6.5 million from EECBG
 - Promote the conservation of energy / reduce the rate of growth of energy demand through a comprehensive state energy conservation plan
 - Priority to projects that expand existing energy efficiency programs & support renewable energy project / deployment activities
 - May address all sectors of the economy



SEP Selection Criteria

- Near-term jobs created or preserved
- Conventional energy saved or renewable energy produced - sustainability
- Leverages other funds but avoid free rider when other funds available
- Ease of implementation; measurable & verifiable
- Provides future value – transforms marketplace
- Consistent with Virginia Energy Plan & Governor's Commission on Climate Change
- Implement 2009 legislative proposals



Summary Virginia SEP programs

- \$32.14 million in grants or rebate incentives to stimulate purchases of renewable energy systems for residences, businesses and government facilities.



Summary Virginia SEP programs

- \$15 million will be made available to households and businesses to support installation of solar and small wind power systems. Payments will be based on the size of the system installed as follows:
 - \$2,000 per kilowatt capacity of solar photovoltaic (electric) systems.
 - \$1,500 per kilowatt capacity of wind systems.
 - \$1,000 per kilowatt capacity equivalent for solar thermal (hot water and steam) systems.



Summary Virginia SEP programs

- \$4.14 million will be made available for installations on local government and public school facilities. (This will be supplemented with \$5.86 million funds from the Energy Efficiency and Conservation Block Grant to total to \$10 million.)
- \$13 million will be made available for installations on state government facilities.



Summary Virginia SEP programs

- \$20 million in three economic development incentives to support biomass, waste-to-energy, renewable energy and energy efficiency products, services and projects.
 - \$10 million will be made available to support biomass and waste to energy projects in Virginia.
 - \$5 million will be made available to support new clean energy business development in Virginia.
 - \$5 million will be made available to support commercialization of new energy technologies in Virginia.



Summary Virginia SEP programs

- \$15 million in grants or rebate incentives to stimulate implementation of energy efficiency improvements in homes and commercial properties.
 - Residential consumers will be eligible for a rebate for 20 percent of the cost of eligible energy efficiency improvements, up to \$2,000 per consumer.
 - Commercial consumers will be eligible for a rebate for 20 percent of the cost of eligible energy efficiency improvements, up to \$4,000 per consumer.
- \$2.86 million will be used to administer the grants.



Summary Virginia SEP programs

- Virginia also will be applying in June for \$16.1 million to support energy efficiency programs under the Energy Efficiency and Conservation Block Grant program.
- Additional details on how to apply for the incentives will be made available on the Stimulus.Virginia.Gov website after Virginia's plan has been approved by the U.S. Department of Energy.



Energy Efficiency and Conservation Block Grants (EECBG)

- http://apps1.eere.energy.gov/wip/block_grants.cfm
 - EECBG authorized in Title V, Subtitle E of the Energy Independence and Security Act of 2007 (EISA), Public Law (PL 110-140)
 - Provides federal grants to units of local government, Indian tribes, states, & U.S. territories



EECBG Purpose

- Reduce fossil fuel emissions
- Decrease total energy consumption
- Improve energy efficiency in the transportation, building, and other energy consuming sectors
- Spur economic growth
- Create and/or retain jobs



EECBG Eligibility

- **Direct from DOE**
 - Cities & towns with 35,000 + people
 - Counties with 200,000 + people or top 10 by population
- **Indirect through State**
 - Cities & towns with less than 35,000 people
 - Counties other than top 10 by population
- **Competitive grants from DOE to localities not receiving direct grants**
 - Localities in states with less than 2 million people
 - Consortia of multiple localities



EECBG Allocation Formula

- 68% in direct formula grants to larger localities
- 28% in direct formula grants to states for smaller localities
 - 60% in block grants
 - 40% for State Energy Program
- 2% in direct formula grants to Indian tribes
- 2% in competitive grants from DOE



EECBG Allocation

- **Nationally**
 - \$2.8 billion in direct / indirect block grants
 - \$400 million is available in competitive grants from DOE
- **Virginia**
 - \$44.6 million direct to 28 localities
 - \$9.7 million – competitive to smaller localities
 - DMME developing grant process



EECBG Direct Grant Cities*

• Alexandria	\$1,372,800	• Lynchburg	\$ 740,000
• Arlington	\$2,085,100	• Manassas	\$ 159,400
• Blacksburg	\$ 186,900	• Newport News	\$1,757,300
• Charlottesville	\$ 195,300	• Norfolk	\$2,451,100
• Chesapeake	\$2,046,900	• Portsmouth	\$1,002,000
• Danville	\$ 202,200	• Richmond	\$2,106,200
• Hampton	\$1,388,800	• Roanoke	\$ 963,700
• Harrisonburg	\$ 206,200	• Suffolk	\$ 741,100
• Leesburg	\$ 164,700	• Virginia Beach	\$4,042,000

* Revised by U.S. DOE on 4-14-09
(includes Arlington County)



EECBG Direct Grant Counties

• Albemarle County	\$ 406,000
• Chesterfield County	\$ 2,740,100
• Fairfax County	\$ 9,642,800
• Hanover County	\$ 409,400
• Henrico County	\$ 2,791,100
• Loudoun County	\$ 2,215,600
• Prince William County	\$ 3,226,400
• Roanoke County	\$ 372,800
• Spotsylvania County	\$ 474,400
• Stafford County	\$ 484,300



EECBG Eligible Activities

- **Development of an Energy Efficiency and Conservation Strategy and Technical Consultant Services** to assist in the development of such a strategy
- **Residential and Commercial Building Energy Audits**
- **Financial Incentive Programs** for energy efficiency improvements
- **Grants** to nonprofit organizations and governmental agencies for the purpose of performing **Energy Efficiency Retrofits**
- **Energy Efficiency and Conservation Programs for Buildings and Facilities**



EECBG Eligible Activities

- **Development and Implementation of Transportation Programs** to conserve energy
- **Building Codes and Inspections** to promote building energy efficiency (may be ineligible as supplanting in Virginia)
- **Energy Distribution Technologies** that significantly increase energy efficiency, including distributed generation, combined heat and power, and district heating and cooling systems
- **Material Conservation Programs** including source reduction, recycling, and recycled content procurement programs that lead to increases in energy efficiency



EECBG Eligible Activities

- **Reduction and Capture of Methane and Greenhouse Gases** excluding carbon capture or sequestration from power plants
- Energy efficient **Traffic Signals and Street Lighting**
- **Renewable Energy Technologies on Government Buildings**
- **Any Other Appropriate Activity** that meets the purposes of the program and is approved by DOE



EECBG – How Can I Apply?

- **Direct grantees**

- Become familiar with FedConnect to apply for the EECBG Program

https://www.fedconnect.net/FedConnect/PublicPages/FedConnect_Redy_Set_Go.pdf

- Request a DUNS Number at <http://fedgov.dnb.com/webform/displayHomePage.do>
- Register with the Central Contractor Registry (CCR) at <http://www.ccr.gov/>.
- E-Business Point of Contact must register in FedConnect at <https://www.fedconnect.net/FedConnect/>

- Allow 21 days to complete the registration process

- **Other localities**

- DMME is developing an application process
- To be communicated through VACo, VML, stimulus.virginia.gov



Weatherization Assistance Program

- \$94.1 million to Virginia
- Managed by the Department of Housing and Community Development and 22 area Weatherization Assistance Program agencies
- Targets households up to 75% state median income (Example – family of 4 at \$58,810/year)
- For more information
 - Willie Fobbs, 804-371-7133
 - willie.fobbs@dhcd.virginial.gov



Other ARRA Energy Provisions

- **Alternate Fueled Vehicles**
 - Application through Virginia Clean Cities Program
 - <http://www.hrccc.org/>
- **Public Housing**
 - HUD to local housing authorities and VHDA
- **Energy Star Appliance Rebate**
 - DMME to manage – fall 2009 application schedule
- **Research, Development and Deployment**
 - DOE Fossil, Energy Efficiency, Basic Science
 - Military
- **Workforce Training**
 - Competitive for energy efficiency and renewable workforce training



Other ARRA Energy Provisions

- **Smart Grid**
 - Utilities and product providers
- **Diesel Emission Reduction Program**
 - Department of Environmental Quality
- **Innovative Technology Loan Guarantees; Renewable Energy Bonds**
- **Battery Manufacturing**
- **Tax credits/grants**
 - ITC/PTC/Treasury grants for renewables, CHP, fuel cells, microturbines
 - Residential/business energy efficiency
 - Wind, solar, geothermal
 - Advanced energy manufacturing
 - Carbon sequestration
 - Plug in hybrid and other alternate fuel vehicle



Contacts

Al Christopher

Director, Division of Energy

Department of Mines, Minerals and
Energy

1100 Bank Street, 8th floor

Richmond VA 23219

al.christopher@dmme.virginia.gov

(804) 692-3216

Stephen Walz

Senior Advisor for Energy Policy,
Office of Governor Tim Kaine

Director, Department of Mines,
Minerals and Energy

1100 Bank Street, 8th floor

Richmond, VA 23219

stephen.walz@governor.virginia.gov

(804) 692-3211

