

**PUBLIC HEARING**  
**ON**  
**AARA FORMULA-BASED**  
**ENERGY FUNDING**

presented by  
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# VIEO MISSION STATEMENT

- To promote energy efficiency and advocate the use of renewable energy technology to the residents of the Territory through energy education, technical assistance, and financial incentives.

# American Recovery and Reinvestment Act

- To preserve and create jobs and promote economic recovery
- To assist those most impacted by the recession
- To provide investments needed to increase economic efficiency by spurring technological advances in energy

# USDOE Awards formula-based grants to the Territory

- State Energy Program \$20,678,000
- Weatherization Assistance 1,417,000
- Energy Efficiency  
Conservation Block Grants 9,593,000

# **SPECIFIC GOAL**

- Reduce per capita energy consumption by at least 25% of 1990 per capita energy use by 2012.

# PER CAPITA ENERGY CONSUMPTION

In million BTUs per person (EERE 2007)

	1990	2003	2012	EPA Act Goal
National	341	339	338	256
U.S. Virgin Islands	1,112	2,126	2,829	834
American Samoa	171	138	115	128
Guam	193	202	208	145
Puerto Rico	85	133	167	63
Pacific Islands	20	17	14	15

- The inordinately high per capita values for the U.S. Virgin Islands are most likely attributable to a variety of factors including output from the HOVENSA Refinery, other sources of gasoline or diesel fuel consumed in the District of St. Thomas and St. John, tourism, transportation fuels, and industrial uses.

# **Weatherization Assistance Program (WAP) Purpose**

- To increase the energy efficiency of dwellings owned or occupied by low-income persons, reduce their total residential expenditures, and improve their health and safety
- Targeted are persons such as the elderly, persons with disabilities, families with children, high residential energy users, and households with a high-energy burden

# TERRITORIES ADDED

- The Energy Independence and Security Act of 2007 added Puerto Rico and the U.S. territories to the definition of “STATE”

# **WAP in HOT CLIMATES**

- Allows low-income families to reduce their energy bills by making their homes more energy efficient, reducing cooling bills, and their overall energy bill

# AVERAGE INVESTMENT

- Allows up to \$6,500 per home in energy-efficiency upgrades

# WHO IS ELIGIBLE

- Families making up to 200% of the federal poverty level or about \$42,400 for a family of four

# PERMISSIBLE USES

- The cost of purchase and delivery of weatherization materials
- The cost of carrying out low-cost/no-cost weatherization activities in accordance with Sec. 440.20

# WAP PROPOSED ACTIVITIES

- Water heater replacement with SWH system
- Refrigerator replacement with E-Star rated
- Energy Efficiency Measures
  - Timers
  - Insulation jacket installation
  - Caulking where appropriate
  - Lighting retrofits
  - CFLs replacement

# HOW TO APPLY

- Go to Department of Human Services
- ECAP Clients automatically qualify
- Residents within 200% of FPL based on family size will be referred to the VIEO

# NEXT STEPS

- VIEO representative will conduct an assessment of your home
- Determination of most appropriate energy conservation measures will ensue
- Contractor will arrange for installations

# State Energy Program Goals

- Increase energy efficiency to reduce energy costs and consumption for consumers, businesses and government
- Reduce reliance on imported energy
- Improve the reliability of electricity and fuel supply and the delivery of energy services
- Reduce the impacts of energy production and use on the environment

# SEP COMPREHENSIVE APPLICATION PACKAGE

- Update Stimulus funded Plan's Master File
  - How implementing the plan conserves energy
  - How to measure progress toward the goal
  - Demonstrated strategy to achieve these goals
  - Satisfy minimum criteria for mandatory activities
  - Detailed monitoring plan for all activities

# SEP COMPREHENSIVE APPLICATION PACKAGE

- Update Stimulus funded Plan's Annual File
  - Describe each market area and program activity
  - Develop budget information and milestones
  - List the intended scope and goals to be attained
  - Capture Narrative Information Worksheets on Win-Saga

# SEP PROPOSED ACTIVITIES

- Virgin Islands Energy Alliance Program
  - EE building retrofits for public, commercial, residential and resort industry
  - EERE retrofit of public health, schools and residential facilities
  - Installation of wind and pv systems on other public buildings

# SEP PROPOSED ACTIVITIES

- Training and Technical Assistance
  - Tropical Energy Code enforcement
  - Solar water heater and pv installers
  - Builders and facility managers
  - Staff program management

# SEP PROPOSED ACTIVITIES

- Hybrid/Electric Vehicle Rebate Program

# SEP PROPOSED ACTIVITIES

- Public Education and Outreach
  - Promote EERE via all media to include website
  - Advertise program benefits to target audiences

# SEP PROPOSED ACTIVITIES

- No Money down solar water heating program
  - Instant Rebates to participants
  - SWH Revolving Loan Fund
  - SWH installation in Affordable Homes Programs

# SEP PROPOSED ACTIVITIES

- Installation of video conferencing equipment
- Marketing and promotion of VITRAN system
- Wind Resource Mapping
- E85 as an Alternative Fuel feasibility study

# SEP EXPANSION ACTIVITIES

- ENERGY STAR APPLIANCE REBATES
- RENEWABLE ENERGY SYSTEMS REBATES
- DISCRETIONARY GRANTS FOR NON-PROFITS

# **Energy Efficiency Conservation Block Grants**

- Development and implementation of an EE and conservation strategy
- Conduct of residential and commercial building energy audits
- Establishment of financial incentive programs for EE improvements
- Provision of grants to nonprofit organizations and governmental agencies for EE retrofits
- Development and implementation of energy and conservation programs for buildings

- Implementation of programs to conserve energy in transportation
- Implementation of building codes and inspection services
- Implementation of distributed energy resources
- Activities to increase participation in recycling
- Implementation of technologies to reduce, capture, and use methane and other GHG generated by landfills

- Replacement of traffic signals and street lighting with EE lighting technologies
- Installation on any government building onsite renewable energy technology
- Any other appropriate activity, as determined by the Secretary of Energy

# EECBG PROPOSED PROJECTS

- 1-MW utility-scale wind farm for WAPA
  - Creates confidence in wind technology
  - Eliminates insecurity of hurricane risk liability
  - Application eliminate concerns relating PPAs

- Gas Collection and Control System (GCCS) for the Bovoni Landfill
- Diesel/Hybrid Mass Transit Buses for VITRAN
- Distribution circuit reconfiguration for VIWAPA

**QUESTIONS ?**

[www.vienergy.org](http://www.vienergy.org)

or

773-1082

for more information

**THE END**