

**INTERAGENCY GROUP ON INSULAR AREAS  
SENIOR PLENARY SESSION  
March 1, 2011**

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Energy Efficiency and Renewable Energy

# Office of Energy Efficiency & Renewable Energy (EERE)

- **Power Generation**

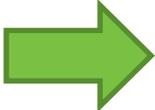
- Wind
- Water
- Solar
- Geothermal

- **Fuels & Vehicles**

- Vehicle Technologies
- Biofuels
- Hydrogen

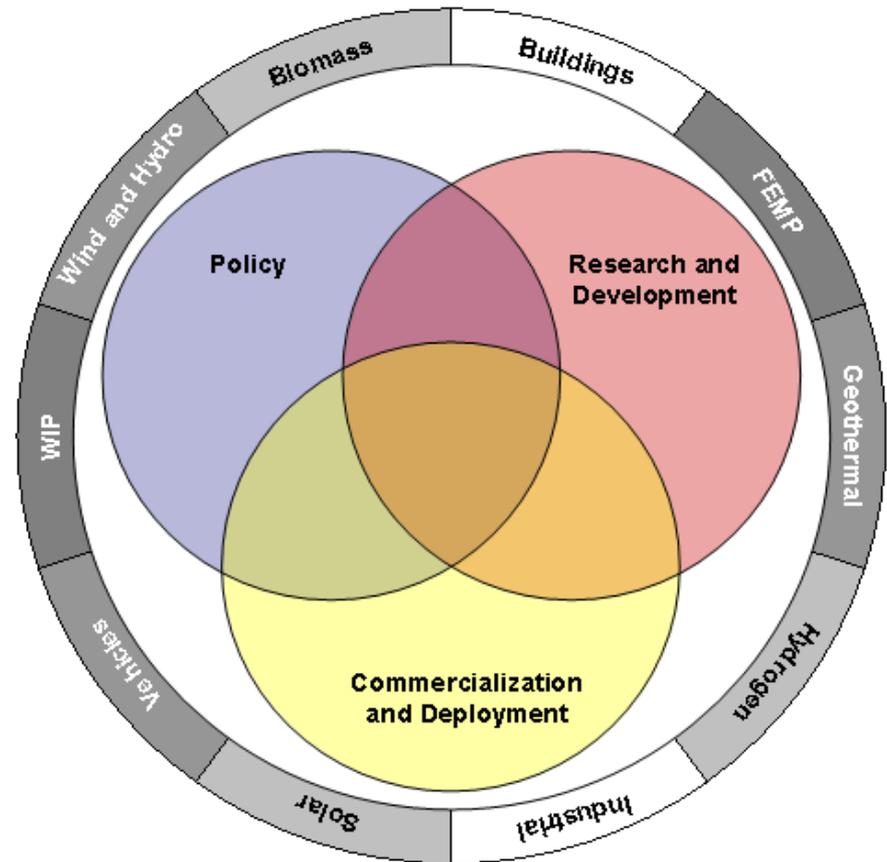
- **Energy Efficiency**

- Buildings Technologies
- Industrial Technologies



- **Weatherization and Intergovernmental (OWIP)**

- Federal Energy Management



# Office of Weatherization and Intergovernmental Program (OWIP) RECOVERY ACT FUNDING

## OWIP provides grants, technical assistance and information tools through three individual programs:

- State Energy Program (SEP)
- Weatherization Assistance Program (WAP)
- Energy Efficiency and Conservation Block Grant (EECBG) Program.

## Grantees for these programs include:

- States
- Local governments
- Community action agencies
- Non-profits
- Utilities
- Indian tribes
- Overseas U.S. territories



# Objectives and Impact of OWIP Programs

*Empowering state and local governments to design programs that meet their energy needs, while working towards national goals of energy independence and a transition to clean energy economy.*



- *Facilitating the adoption of renewable energy and energy efficiency technologies to address energy challenges*
- *Lowering total energy consumption, improving efficiencies and reducing carbon pollution*
- *Creating and retaining “good green jobs” and training a new clean energy workforce*

# State Energy Program (SEP)

## Enables states to meet and accelerate energy priorities by adopting renewable energy and energy efficiency technologies:

- Supports state capacity, project, and policy development with modest investments (*Average appropriation 2001 – 2006: \$41.5 million*)
- Allows states to tailor solutions to their unique needs
- Encourages significant private and state investment

## State Energy Offices use SEP funds (\$3.1 Billion under ARRA) for projects involving:

- Renewable energy technology
- Transportation measures
- Industrial retrofits
- Revolving loan funds
- On-bill financing strategies
- Performance contracting, and more



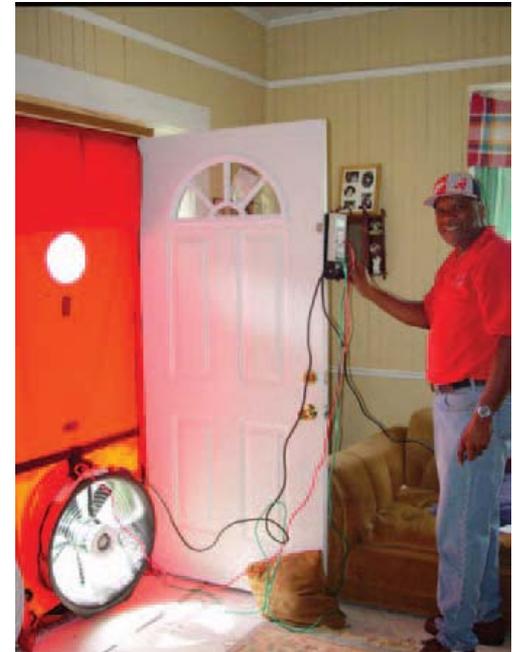
# Weatherization Assistance Program (WAP)

**The largest residential energy efficiency program in the nation, providing weatherization services to low-income families:**

- Low-income households typically spend **14.4%** of their total income on energy vs. 3.3% for other households
- **58 Grantees** contract with **1,007 local subgrantees** to deliver services to single-family, multi-family, and mobile homes

**A federally-funded, state-administered, locally-operated grant program:**

- WAP received **\$5 billion dollars** under ARRA
- **\$29 million** in ARRA funds to establish **26 new Weatherization Training Centers (WTC)** & supplement 8 existing centers.



# Energy Efficiency Community Block Grants (EECBG)

## New program funded under ARRA:

- Bringing together DOE and over **2,300 local communities** for the first time
- DOE's largest local government program, providing grants directly to cities and counties to help them address their individual energy needs and priorities: **> 4,000 projects nationwide**

## EECBG funds \$3.2 billion for 14 activity types

- EECBG formula grants obligated **\$2.7B**
- **\$454 million for competitive Better Building Program** for innovative models of whole-neighborhood retrofits



# American Samoa

**Total EECBG award: \$9,593,500**

**Payments: \$604,700 (6.3%)**

- Energy Efficiency and Conservation Audits
- Building Retrofits for Energy Efficiency and Conservation
- Upgrade the Building Code: Energy Sections
- Energy Distribution: Increase Energy Efficiency
- Energy Education in American Samoa

**Total SEP award: \$18,550,000**

**Payments: \$8,648,651 (46.6%)**

- Supplementing Weatherization
- Policy Planning and Energy Security
- Electric Power and Renewable Energy

**Total WAP award: \$896,449**

**Payments: \$511,502 (57.1%)**

**Homes Weatherized: 193 (70% to goal of 275 units)\***

\*As of 12/30/10

- Installation of CFLs, Solar Water Heaters, Refrigerators



*Combined, two SEP projects under the Electric Power and Renewable Energy Market-title will result in **1.5 megawatts (MW) of grid-connected solar energy capacity**. That is a staggering amount considering the island's total existing generation capacity is only 20 MW.*

# Commonwealth of the Northern Mariana Islands (CNMI)

**Total EECBG award: \$9,593,500**

**Payments: \$0**

- Residential CFL Exchange Program
- Residential EnergyStar Appliance Incentive Program
- Residential Weatherization Incentive Program
- Residential Cool Roof/ Cool Wall Incentive Program
- Government Building Cool Roof Program
- Residential Recycling Program
- Grinder for Debris Reuse Program
- Waste Characterization and WTE Feasibility Study
- Solar Panel Systems for Government Buildings
- Commonwealth Utility Commission (CUC) Power Plant Retrofits

**Total WAP award: \$997,686**

**Payments: \$253,191 (25.4%)**

**Homes Weatherized: 117 (48.1% to goal of 243 units) (As of 12/30/10)**

- Training and technical assistance for weatherization workers and administrators
- Inspections on 100% of all weatherized homes

**Total SEP award: \$18,651,000**

**Payments: \$5,896,921 (31.6%)**

- Retrofit Public Buildings
- Energy Education
- Policy and Planning
- Renewable School Projects



# Guam

**Total EECBG award: \$9,593,500**

**Payments: \$39,827 (0.4%)**

- Community Education & Outreach
- Financial Incentives for Building Improvements
- LED & other Energy Efficient Lighting
- Guam Residential Energy Performance Score
- Retrofitting Public Facilities
- Resource Conservation Manager Program
- Sustainable Development Forward

**Total WAP award: \$1,431,132**

**Payments: \$222,603 spent (15.6%)**

**Homes Weatherized: 98 (27.2% to goal of 360 units) (As of 12/30/10)**

- Combining field monitoring with extensive training and technical assistance program for contractors, auditors, administrative personnel and staff



**Total SEP award: \$19,098,000**

**Payments: \$3,734,081 (19.6%)**

- Retrofit Public Buildings
- Island Center for Sustainable Future
- Promoting Guam's Building Code
- Procure and Light Right, GovGuam!
- Appliance Rebates
- Outreach to Conserve and Be Efficient

# US Virgin Islands

**Total SEP award: \$20,678,000**

**Payments: \$5,916,841 (28.6%)**

- Competitive grants to schools and non-profits for retrofits and energy education
- Energy Alliance Incentive Program
- Hybrid and Electric Vehicle Rebate Program
- Public Education Outreach
- Renewable Energy Rebate Program
- Solar Thermal in Moderate Housing Communities
- Solar Thermal Installers Training Program
- Solar Thermal Revolving Loan Program
- Tropical Energy Code Implementation
- Wind Resource Data Mapping Program

**Total WAP award: \$1,827,182**

**Payments: \$662,527 (36.3%)**

**Homes Weatherized: 121 (28.1% to goal of 430 units) (As of 12/30/10)**

- Priority services for elderly, disabled, families with children 5 and younger and households with high energy burdens or use
- 3% of funding designated to address health and safety issues in homes

**Total EECBG Award: \$9,593,500**

**Payments: \$1,176,554 (12.3%)**

- Water and Power Authority Street Lighting Upgrade
- Landfill Gas to Energy Project
- Airport PV Energy Installation
- LED Traffic Signal Light Retrofit Program
- Govt. Energy Demand Reduction Program



# Goals & Deadlines

- **EECBG GOAL:** 35% of funds drawn down by March 31, 2011
- **SEP GOAL:** 100% of SEP grants contracted by March 31, 2011
- **COMBINED GOAL:** *50% of funds drawn down by June 30, 2011*
- **DEADLINE:** 100% of EECBG funds must be obligated within 18 months of initiation of the grant
- **DEADLINE:** All SEP projects must be completed within 36 months from the signing date of the original contract (April 2012)

# Technical Assistance: Online Resources

Solution Center 2.0 live now: <http://wip.energy.gov/solutioncenter>

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## Solution Center

Technical Assistance for EECBG & SEP

Webcasts | Project Map | Recovery Act Benefits Savings Calculator | Request Technical Assistance

**Buildings**  
**Electric Power and Renewable Energy**  
**Energy Education**  
**Industry**  
**Policy, Planning, and Energy Security**  
**Transportation**  
**Financial Products**

The Solution Center is the home for Energy Efficiency and Conservation Block Grant (EECBG) Program and State Energy Program (SEP) technical assistance resources. The goal of the Solution Center is to help eligible grantees and sub-grantees develop and implement successful energy efficiency and conservation projects and programs that meet the conditions and guidelines of the EECBG and SEP programs. Please spend some time exploring this page and take full advantage of the resources available.

**Upcoming Webcasts**  
Sustainable Communities and Vehicle Miles Traveled (VMT) Reduction  
Date: October 5, 2010  
Time: 2:00pm - 3:00pm EDT  
[Register Here](#)

**Need Help?**  
[Click Here to Request Technical Assistance](#)  
Or call 1-877-EERE-TAP (1-877-337-3827)

**Activities**  
The Solution Center has gathered best practices, tools, sample projects, and other related resources for all eligible EECBG and SEP activities. Find resources for your projects via the maps below or the menu on the left-hand side of this page.

EECBG Activities | SEP Activities

Material Conservation Programs  
Reduction and Capture of Methane and Greenhouse Gases  
Development of an Energy Efficiency and Conservation Strategy  
Residential and Commercial Building Energy Audits  
Energy Efficiency Retrofits  
Energy Distribution Technologies  
Renewable Energy Technologies

Search Help | More Search Options | Search

EERE Information Center Programs and Offices

**FEATURES**

- Weatherization & Intergovernmental Program Guidance
- Submit Your EECBG or SEP Case Study
- Technical Assistance Program Fact Sheet
- Technical Assistance Program Blog
- Who is Your Regional Coordinator for TA?

Resources include: best practices, templates, webinars, project map, events calendar, blog

# Technical Assistance: Provider Network

Technical Assistance Center live now: <https://tac.eecleanenergy.org/>

DOE Technical Assistance Center - Windows Internet Explorer

https://tac.eecleanenergy.org/

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Technical Assistance Center

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Make a request for direct technical assistance here  
or call 1-877-EERE-TAP (1-877-337-3827)



# Thank You

Office of Energy Efficiency and Renewable Energy  
Office of Weatherization and Intergovernmental Program

**LeAnn Oliver – Program Manager**

<http://www1.eere.energy.gov/wip/wap.html>



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