



**U.S. Department of Energy's Energy  
Efficiency and Conservation Block Grant  
(EECBG) Program**

**July, 2009**

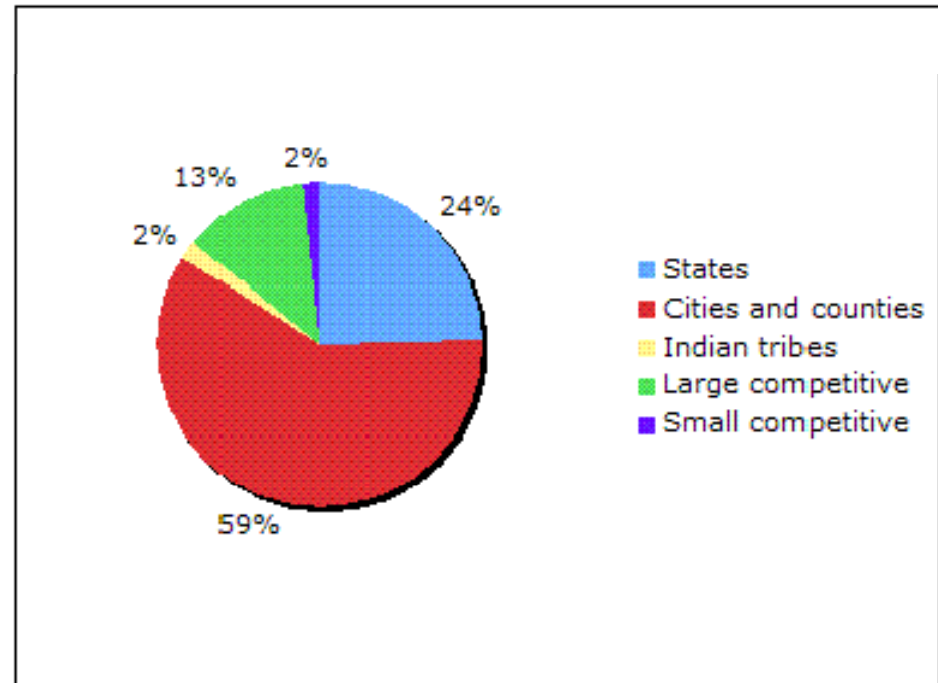
# EECBG Overview

The EECBG funds allocated under the American Recovery and Reinvestment Act of 2009 provide cities and towns across the U.S. with an unprecedented opportunity to make investments and leverage other funding sources to minimize the cost and environmental impacts of energy use and move toward energy independence. program is designed to:

- Reduce fossil fuel emissions
- Reduce the total energy use of the eligible entities
- Improve energy efficiency in transportation, building, and other appropriate sectors
- Create and retain jobs
- Improve coordination between jurisdictional offices involved in energy efficiency programs

# Funding on the National Level

- \$3.2B total funding
- \$2.7B in formula grants
- \$400M in competitive grants  
(future FOA)



# Funding for Vermont

## Formula Funded Community Allocations

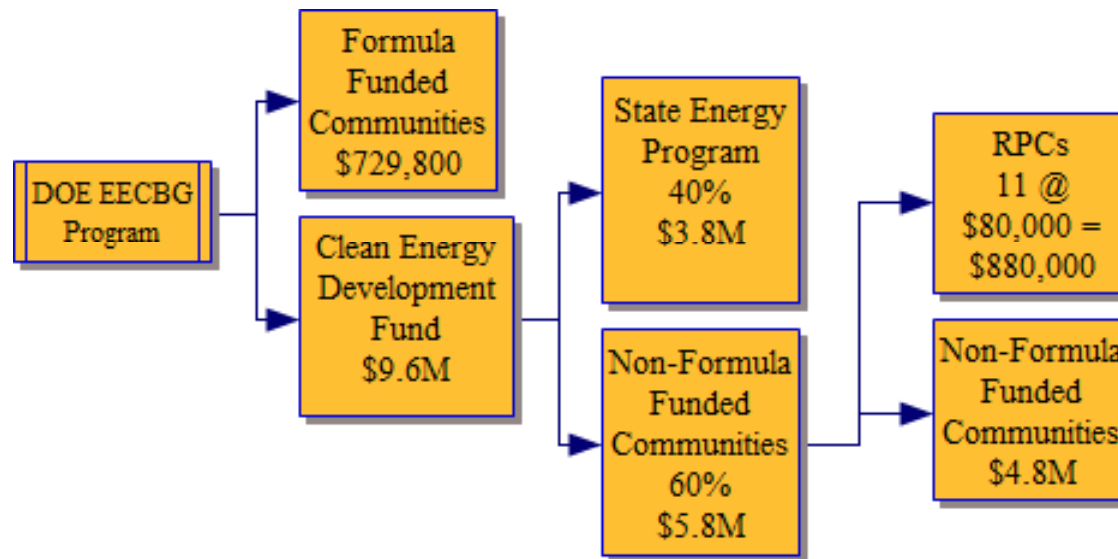
Bennington, Town of	\$57,900
Brattleboro, Town of	\$56,100
Burlington	\$180,200
Colchester, Town of	\$71,200
Essex, Town of	\$50,000
Essex Junction, Village of	\$50,000
Hartford, Town of	\$50,000
Milton, Town of	\$50,000
Rutland	\$78,900
South Burlington	\$85,500

Source: <http://www.eecbg.energy.gov/>



## Funding for Vermont

- Vermont submitted application in June
- Funding for formula-funded towns comes directly from DOE
- Remaining \$9.6M will be distributed through Vermont's Clean Energy Development Fund (CEDF)
  - ❑ Guidance document containing timelines and application requirements for this funding is expected in early September



Source: <http://recovery.vermont.gov/>

# Eligible Activities

- Development of an energy efficiency and conservation strategy
- Building energy audits and retrofits, including weatherization
- Financial incentive programs for energy efficiency such as energy savings performance contracting, on-bill financing, and revolving loan funds
- Transportation programs to conserve energy
- Building code development, implementation, and inspections for energy efficiency
- Feasibility studies and installation of distributed energy technologies including combined heat and power and district heating and cooling systems

Source: <http://www.eecbg.energy.gov/>

### Eligible Activities (continued)

- Material conservation programs including source reduction, recycling, and recycled content procurement programs
- Reduction and capture of greenhouse gas emissions generated by landfills or similar waste-related sources
- Installation of energy efficient traffic signals and street lighting
- Installation of renewable energy technologies on government buildings
- Any other appropriate activity that meets the purposes of the program and is approved by DOE

Source: <http://www.eecbg.energy.gov/>

## Program Options and Examples

### Example 1: Development of an Energy Efficiency and Conservation Strategy

- **Mission Verde, TX** - The City's plan outlines steps for saving money and creating jobs through reduced energy consumption:
  - Development of new urban infrastructure
  - Creation of financing options through venture capital funds
  - Development of high performance building codes and efficiency retrofit programs
  - Development of public transportation options
  - Plan available at  
<http://www.sanantonio.gov/mayor/SustainabilityPlan.asp?res=1280&ver=true>

Source: [http://www.aceee.org/energy/national/EEPrograms\\_Municipal.pdf](http://www.aceee.org/energy/national/EEPrograms_Municipal.pdf)



## Program Options and Examples

### Example 2: Feasibility Studies for Distributed Energy Systems

- **District Energy St. Paul** - Provides heating to over 180 buildings and 300 residences
  - ❑ Heats over 31.1 million square feet (largest in country)
  - ❑ Hot water comes from a Combined Heat and Power facility using %100 wood waste
  - ❑ More information on District Heating Plants can be found at [http://www.districtenergy.org/what\\_is.htm](http://www.districtenergy.org/what_is.htm)

Source: [http://www.aceee.org/energy/national/EEPrograms\\_Municipal.pdf](http://www.aceee.org/energy/national/EEPrograms_Municipal.pdf)

## Program Options and Examples

### Example 3: Creation of Financial Incentive Programs for Energy Efficiency

- **Berkeley FIRST, Berkeley, CA-** Financing Incentive for Renewable and Sustainable Technology:
  - ❑ Program works through Clean Energy Municipal Financing (CEMF)
  - ❑ Property owners pay for efficiency upgrades and renewable energy generation measures as line item on property taxes over 20 year period
  - ❑ Vermont is developing a similar program (Clean Energy Assessment District program)
    - ❑ More information on Vermont's program at:  
<http://www.vnrc.org/article/view/24468/1/625/>

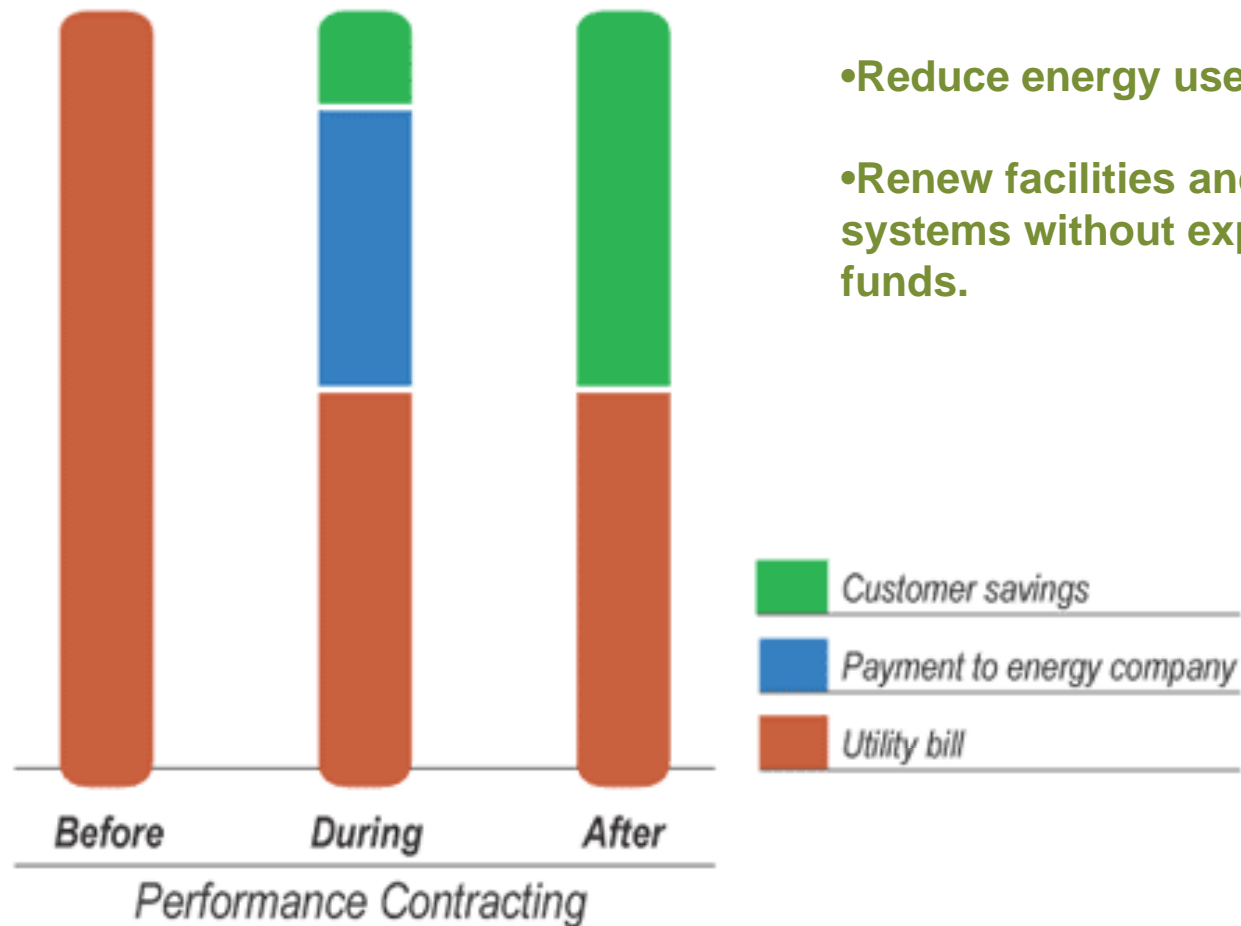
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## Program Options and Examples

### Example 4: Establishing Performance Contracts for Energy Efficiency Improvements

- **New Bedford, MA** - Plans to contract with a certified energy service company (ESCO) to achieve a 15%-20% reduction in municipal energy consumption by:
  - Implementing a comprehensive infrastructure renewal process
  - Leveraging energy savings over time to fund the cost of the program
  - Providing detailed energy audits
  - Providing monitoring and verification of savings

# Energy Efficiency Performance Contracting Model



Source: <http://www.ameresco.com/espc.asp>