

**AMERICAN RECOVERY AND  
REINVESTMENT ACT**

**ENERGY EFFICIENCY AND  
CONSERVATION BLOCK GRANTS**

**REQUEST FOR APPLICATIONS (RFA)**



**DUE DATE: JUNE 11, 2010**



## **SUMMARY**

The American Recovery and Reinvestment Act of 2009 (ARRA), Public Law 111-5 appropriates funding for the U.S. Department of Energy (DOE) to award formula-based grants to states under the Energy Efficiency and Conservation Block Grant Program. The Illinois Department of Commerce and Economic Opportunity (DCEO) is responsible for implementing the ARRA Funding Opportunity Number DE-FOA-0000013, CFDA Number: 81.128, Energy Efficiency and Conservation Block Grant Program (EECBG).

DCEO has entered into a sub-recipient agreement with the Illinois Association of Regional Councils (ILARC) for the direction and administration of EECBG grant funds and oversight of energy efficiency and renewable energy projects. ILARC is awarding sub-grants to its member and associate member agencies, which are responsible for the Request for Application (RFA) process, including dissemination, review, reporting and monitoring of projects within their jurisdiction. Approximately \$13,100,760 will be awarded statewide under this program.

The Metropolitan Mayors Caucus (the Caucus) has been awarded a sub-grant by ILARC to manage the RFA process within the counties of McHenry, Lake, Kane, DuPage, Cook, Will and Kendall (collectively, the Seven County Area). Approximately \$2,430,000 will be awarded under this program in the Seven County Area.

## **PROGRAM GOALS**

DOE has developed the following core principles to guide entities during the program and project process:

- Invest funds in programs and projects that create and/or retain jobs and stimulate the economy while meeting long term energy goals.
  - Job creation is defined as a job created and filled, or an existing position that is filled as a result of the Recovery Act. A job retained is an existing position that would not have been continued in the absence of ARRA funding.
- Prioritize energy efficiency and conservation first as the cheapest, cleanest, and fastest ways to meet energy demand.
- To maximize benefits over the longest possible terms, entities should look for ways to link their energy efficiency efforts to long-term priorities.
- Target programs and projects that will provide substantial, sustainable and measurable energy savings, job creation and economic stimulus effects.
- Give priority to programs and projects that leverage federal funds with other public and private resources, including coordinated efforts involving other Federal programs targeting community development funded through the Recovery Act such as the Community Development Block Grant program, HOME, and job training programs.
- To the extent possible, develop programs and strategies that will continue beyond the funding period.
- Ensure oversight, transparency, and accountability for all program activities.
- Enact policies that transform markets, increase investments, and support program goals.
- Develop comprehensive plans that benchmark current performance and set aggressive goals.

## **PROGRAM OUTCOMES**

Desired outcomes of the EECBG program include:

- New jobs and increased productivity to spur economic growth and community development;
- Increased energy efficiency, reduced energy consumption and reduced energy costs through efficiency improvements in the building, transportation and other appropriate sectors;
- Accelerated deployment of market-ready distributed renewable energy technologies, including wind, solar, geothermal, hydropower, biomass and hydrogen technologies;
- Improved air quality and related environmental and health indicators associated with the

- reduction of fossil fuel emissions;
- Improved coordination of energy-related policies and programs across jurisdictional levels of governance and with other local and community level programs in order to maximize the impact of this program on long-term local priorities;
- Leveraging the resources of federal, state and local governments, utilities and utility regulators, private sector and non-profit organizations to maximize the resulting energy, economic and environmental benefits; and
- Widespread use of innovative financial mechanisms that transform markets.

## **SPECIAL CONDITIONS**

**Applicants should be aware that special terms and conditions may apply to projects funded by the Act relating to:**

- Reporting, tracking and segregation of incurred costs;
- Reporting on job creation and retention;
- Publication of information on the Internet;
- Access to records by Inspectors General and the Government Accountability Office;
- Prohibition on use of funds for gambling establishments, aquariums, zoos, golf courses or swimming pools;
- Ensuring that iron, steel and manufactured goods are produced in the United States;
  - It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under the ARRA agreement should be American-made. The Grantee certifies and agrees that it will conform to the afore-stated Buy American policy.
- Ensuring wage rates are comparable to those prevailing on projects of a similar character (Davis-Bacon);
- Protecting whistleblowers and requiring prompt referral of evidence of a false claim to an appropriate inspector general; and
- Certification and Registration.

## **RECORD RETENTION**

- The applicant should be aware that if they are awarded grant funds, they are accountable for all Grant Funds received and shall maintain, for a minimum of four (4) years following the final close out of the grant agreement between DCEO and ILARC (unless the Department notifies ILARC prior to the expiration of the four years that a longer period is required), adequate books, records, and supporting documents, including digital and electronic data, to verify the amount, recipients and uses of all disbursements of Grant Funds.

## **ELIGIBLE APPLICANTS**

A competitive RFA process is open to all Illinois units of local government that meet the eligibility criteria as defined below by DOE. A local government is eligible for funds if the population of the entity is 35,000 or less and the following conditions are met:

1. The government is included in the latest available Census of Governments as a currently incorporated government;
2. The government has a governance structure with an elected official and governing body;
3. The government has the authority to implement the eligible activities under the EECBG program;
4. The government meets the population thresholds in EISA (Energy Independence and Security Act of 2007) of 35,000 or less.

A county that has not received ARRA Direct EECBG grants from the DOE is eligible to apply for program funds through the RFA.

## **General Activity Guidelines**

**The guidelines and activities set forth in this RFA were approved specifically for the State of Illinois by the Department of Energy on September 14, 2009, and must be adhered to. No other program or project activities are allowable under this RFA.** These approved activities enhance the objectives set forth by DOE and DCEO and include a strong emphasis on job creation, job retention and economic recovery.

Eligible units of local government may apply for EECBG grant funds for projects to improve or enhance their publicly owned property, or for projects that include entities located within their boundaries, such as school districts, park districts, police and fire protection districts.

The unit of local government may also use EECBG funds to administer programs (i.e. energy audits, or rebates) that would benefit businesses, residences and not-for-profit organizations located within their boundaries.

**Except where noted, the applicant's investment for each project applied for must be at least 25% of the total project cost. Applicants are encouraged to leverage other funds, including the Energy Efficiency Portfolio (EEP) and the state's Renewable Energy Resources Program (RERP).**

**In some cases, the leveraged funds combined with EECBG grant funds could achieve 100% of project costs.**

DCEO has made a commitment to DOE that EECBG funds will be used to expand existing programs, including ratepayer-funded programs such as the Energy Efficiency Portfolio. EECBG funds will not be used to supplant or replace existing state, ratepayer or other funding streams, but will be used to supplement those programs in order to maximize the total additional energy-related benefits resulting from the program.

## **NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)**

DCEO has entered into an Agreement with DOE to expedite NEPA review. In order to ensure compliance under the terms of the Agreement, the applicant should only request funding for projects that fall within the following categories and are consistent with the limitations prescribed therein.

## **HISTORIC PRESERVATION**

DCEO has entered into an Agreement between the State Historic Preservation Agency and DOE to expedite Historic Preservation reviews. In order to ensure compliance under the terms of the Agreement, the applicant must comply with the guidance set forth in **Attachment C** to this document. Projects that involve properties greater than fifty (50) years old and **not** listed on Attachment C shall be submitted to the State Historic Preservation Office for review. The checklist can be found at:

<http://www.illinoishistory.gov/PS/rcdocument.htm>

## ELIGIBLE ACTIVITIES

The following activities have been authorized by DOE to be completed with EECBG funds within the State of Illinois and no other program or project activities are allowable under this RFA.

### 1. Energy Audits of Public Facilities

Eligible applicants within the Seven County Area may apply for grant funds to provide energy audits of local public facilities, but are encouraged not to duplicate services that may already be offered by the State (e.g., SEDAC audits) or utilities. Public facilities include, but are not limited to, city halls, courthouses, police and fire stations, libraries, community centers, public schools, community colleges, public universities, water treatment plants and waste water treatment plants.

The applicant will be responsible for selecting a qualified energy auditor to provide the energy audit(s). Each energy audit shall be conducted to meet the specifications of an ASHRAE Level II - Energy Survey and Analysis (<http://www.ashrae.org>). Each audit shall result in a report identifying low-cost, no-cost and capital-improvement energy efficiency measures and an estimation of the energy savings that can be achieved by retrofitting equipment and modifying set-points and operational procedures. Applicants will be required to submit a copy of the audit report(s) to the Caucus at the time each is completed.

To help assure that energy savings identified in energy audits are realized, each applicant that submits an application for Energy Audits of Public Facilities funds must also submit an application for Energy Efficiency Retrofits of Public Facilities funds.

The applicant's investment in energy audits of public facilities must be at least 25% of the total project cost. A maximum of \$7,500 per energy audit will be funded with EECBG funds.

### 2. Energy Efficiency Retrofits of Public Facilities

Eligible applicants within the Seven County Area may apply for grant funds to implement energy efficiency retrofits of local public facilities. Public facilities include, but are not limited to, city halls, courthouses, police and fire stations, libraries, community centers, public schools, community colleges, public universities, water treatment plants and waste water treatment plants.

Applicants that apply for EECBG funds for Energy Efficiency Retrofits of Public Facilities are not required to apply for EECBG funds to conduct energy audits of those facilities, if energy audits are not needed to identify energy efficiency improvements.

**The energy efficiency of retrofit technologies purchased with EECBG funds must exceed that of existing equipment.** Applicants shall give priority to energy efficiency retrofits with the shortest simple payback. Energy efficient retrofit technologies that will be funded under this program are presented in Table 1.

**Table 1**

<b>Allowable Energy Efficient Retrofit Technologies</b>	
<p><u>Lighting</u></p> <ul style="list-style-type: none"> <li>• Delamping</li> <li>• LED lighting</li> <li>• Reduce Wattage and Specialty T8 Fluorescent Lamps</li> <li>• Metal Halides</li> <li>• Induction Lighting</li> <li>• Occupancy Sensors</li> <li>• Daylighting Controls</li> <li>• LED Exit Signs</li> <li>• Other lighting technologies not listed above are subject to approval</li> </ul> <p><u>Weatherization</u></p> <ul style="list-style-type: none"> <li>• Air Sealing</li> <li>• Insulation</li> <li>• Other weatherization equipment not listed above is subject to approval</li> </ul>	<p><u>HVAC</u></p> <ul style="list-style-type: none"> <li>• Controls</li> <li>• Boilers</li> <li>• Furnaces</li> <li>• Chillers</li> <li>• Air conditioning units</li> <li>• Other Heating/Cooling equipment not listed above is subject to approval</li> </ul> <p><u>ENERGY STAR® Appliances</u></p> <ul style="list-style-type: none"> <li>• Appliance replacement</li> </ul> <p><u>ENERGY STAR® Windows and Doors*</u></p> <ul style="list-style-type: none"> <li>• Replacement</li> </ul> <p><u>Shower/faucet</u></p> <ul style="list-style-type: none"> <li>• High-efficiency upgrades</li> </ul>

\* Door and/or window replacements only qualify for incentives if applicant is implementing allowable weatherization measures

Energy efficiency projects at water treatment plants and wastewater treatment plants can provide substantial value to county and city water and wastewater utilities and their customers. In addition to the allowable energy efficient retrofit technologies listed in Table 1, applicants may apply for retrofit technologies for water and wastewater treatment plants that include the purchase of appropriately sized energy-efficient equipment, such as pumps, motors, impellers, valves, capacitors and variable frequency drive (VFD) installations on pumps and motors.

ECEBG funds shall not be used to supplant or replace existing state, ratepayer or other funding streams, but will be used to supplement those programs in order to maximize the total additional energy-related benefits resulting from the program. DCEO has made a commitment to DOE that ECEBG funds will be used to expand existing programs, including ratepayer-funded programs such as the Illinois Energy Efficiency Portfolio (EEP), an incentive program for ComEd and Ameren Illinois electric utility customers that provides rebates for the installation of electric efficiency measures. Therefore, applicants seeking ECEBG grant funds for projects that are eligible for EEP incentives must apply for EEP incentives when they apply for ECEBG funds. An application for ECEBG funds may be rejected if EEP incentives are not leveraged. EEP guidelines for Public Sector entities can be found at [www.illinoisenergy.org](http://www.illinoisenergy.org) under Energy Efficiency.

In addition to applying for EEP funds, applicants are encouraged to leverage other applicable funding sources available to it, such as HUD Neighborhood Stabilization Program (NSP) funds.

For applicants eligible to apply for EEP incentives, the Caucus will award 100 percent of total project costs after all eligible EEP incentives have been applied. For applicants ineligible to apply for EEP incentives, the applicant's investment must be at least 25% of the total project cost. The **minimum** EECBG grant amount that an applicant may apply for under this program is \$25,000.

### 3. Small Business Energy Efficiency Audits and Retrofits

Eligible applicants within the Seven County Area may apply for grant funds to subsidize the cost of building energy audits and energy efficiency retrofits in local businesses with 30 employees or less (small businesses). Applicants shall make EECBG funds available to local small businesses to increase their energy efficiency by implementing energy efficient retrofits identified by an energy audit. At the applicant's discretion, small businesses may have the option of requesting funding for energy efficiency retrofits without having completed an audit.

Applicants are encouraged not to duplicate services that may already be offered by the State (e.g., SEDAC audits) or utilities (e.g., ComEd's *Smart Ideas for Your Business* program). Energy audits must be conducted by a qualified energy auditor using ASHRAE Level II - Energy Survey and Analysis energy audit guidelines (<http://www.ashrae.org>). Each audit shall result in a report identifying low-cost, no-cost, and capital-improvement energy efficiency measures and an estimation of the energy savings that can be achieved by retrofitting equipment, and modifying set-points and operational procedures. Applicants must submit a copy of each EECBG-funded audit report to the Caucus at the time it is completed.

The energy efficiency of retrofit technologies purchased with EECBG funds must exceed that of existing equipment. Applicants shall give priority to energy efficiency retrofits with the shortest simple payback. Energy efficient retrofit technologies that will be funded under this program are presented in Table 2.

**Table 2**

<b>Allowable Energy Efficient Retrofit Technologies</b>	
<p><u>Lighting</u></p> <ul style="list-style-type: none"> <li>• Delamping</li> <li>• LED lighting</li> <li>• Reduce Wattage and Specialty T8 Fluorescent Lamps</li> <li>• Metal Halides</li> <li>• Induction Lighting</li> <li>• Occupancy Sensors</li> <li>• Daylighting Controls</li> <li>• LED Exit Signs</li> <li>• Other lighting technologies not listed above are subject to approval</li> </ul> <p><u>Weatherization</u></p> <ul style="list-style-type: none"> <li>• Air Sealing</li> <li>• Insulation</li> <li>• Other weatherization equipment not listed above is subject to approval</li> </ul>	<p><u>HVAC</u></p> <ul style="list-style-type: none"> <li>• Controls</li> <li>• Boilers</li> <li>• Furnaces</li> <li>• Chillers</li> <li>• Air conditioning units</li> <li>• Other Heating/Cooling equipment not listed above is subject to approval</li> </ul> <p><u>ENERGY STAR® Appliances</u></p> <ul style="list-style-type: none"> <li>• Appliance replacement</li> </ul> <p><u>ENERGY STAR® Windows and Doors*</u></p> <ul style="list-style-type: none"> <li>• Replacement</li> </ul> <p><u>Shower/faucet</u></p> <ul style="list-style-type: none"> <li>• High-efficiency upgrades</li> </ul>

\* Door and/or window replacements only qualify for incentives if applicant is implementing allowable weatherization measures

EECBG funds shall not be used to supplant or replace existing state, ratepayer or other funding streams, but will be used to supplement those programs in order to maximize the total additional energy-related benefits resulting from the program. DCEO has made a commitment to DOE that EECBG funds will be used to expand existing programs, including ratepayer-funded programs such as the Illinois Energy Efficiency Portfolio (EEP), an incentive program for ComEd and Ameren Illinois electric utility customers that provides rebates for the installation of electric efficiency measures. Therefore, applicants seeking EECBG grant funds for small business energy efficiency retrofit projects that are eligible for EEP incentives shall require small businesses to apply for applicable EEP incentives. EEP guidelines and application materials for business entities can be found at [www.ComEd.com](http://www.ComEd.com) and [www.ameren.com](http://www.ameren.com).

The Caucus will award 75 percent of total project costs after all eligible EEP incentives have been applied. The **minimum** EECBG grant amount that an applicant may apply for under this program is \$25,000.

#### **4. Residential Building Code Enforcement**

Public Act 096-0778, requiring an energy code for residential buildings in Illinois, was signed into law August 28, 2009 and became effective January 29, 2010. The law requires local governments to adopt the most recent version of the International Energy Conservation Code (IECC) for residential buildings, establishing the 2009 IECC as the current energy code for residential buildings in Illinois.

The Residential Building Code Enforcement program is designed to enhance residential energy code enforcement in Illinois. The target market is local governments seeking to improve their existing residential energy code enforcement processes using training, best practices, data tracking and compliance evaluation. Preference will be given to applicants that (1) demonstrate the potential to achieve energy savings through improved code enforcement processes, and (2) agree to meet the following requirements:

- Applicant's building code officials and inspectors must attend IECC 2009 residential code training within 90 days of the grant award. Training opportunities for ComEd and Ameren customers are funded by DCEO through the International Code Council. Training dates, times and registration information is posted as it becomes available at <http://www.iccsafe.org/IL-IECC>. If an applicant is not a ComEd or Ameren customer and thus ineligible for DCEO-funded training, the applicant must make arrangements to secure training from another reputable source. [Note: This requirement will be waived if building code officials and inspectors participated in IECC 2009 training prior to the applicant's submittal.]
- Applicant must provide information about its permitting and enforcement processes to the Caucus so that it can perform a process analysis. The process analysis will identify opportunities to align the applicant's existing enforcement processes more closely with best practices in energy code enforcement.
- Applicant must adopt process improvement recommendations made by the Caucus in its process analysis. Such recommendations may include requiring a pre-application meeting between code officials and project applicants at the beginning of the permitting process; providing code information, resources and tools to the local building community; and increasing the number and type of residential building inspections performed. Once identified, process improvements must be implemented in a timely manner and remain in place for the duration of the grant period.
- Applicant must assist the Caucus in evaluating whether residential buildings are being built to meet current energy code requirements. In-home energy evaluations and compliance surveys may be used to assess compliance with IECC 2009.
- Applicant must track and report Building Code Enforcement Program information to the Caucus for the duration of the grant period.

Grant funds may be used for activities designed to improve the applicant's existing residential energy code enforcement processes. The Caucus will award 75 percent of eligible project costs with a maximum of \$100,000 per applicant.

## **5. Traffic Signals and Street Lights**

Eligible applicants in the Seven County Area may apply for funding to replace traffic signals or street lights with energy efficient lighting technologies, such as LED or other technologies of equal or greater energy efficiency (e.g., induction lighting). Traffic signals are an eligible EEP measure and, therefore, EECBG funds should only be used if additional funds are needed to make the project viable or if the community is not eligible for EEP funding. **It is important to note that EECBG grant funds can provide for no more than \$400 per street light. If the project is located in the Ameren Illinois or ComEd electric service territory, the applicant must apply for EEP incentives.**

The energy efficiency measures that will be funded under this program include:

- Efficient street lighting
- Lighting controls
- Traffic signal retrofits to LED
- Pedestrian signal modules to LED

The Caucus will award 100 percent of total project costs after all eligible EEP incentives have been applied; however, the maximum awarded for efficient street lighting will be \$400 per street light.

**INELIGIBLE PROJECT ACTIVITIES AND COSTS.** The following projects are not eligible for funding under these guidelines. Projects that propose funding

- for any casino or other gambling establishment, aquarium, zoo, golf course, or swimming pool
- for construction, such as construction of mass transit systems and exclusive bus lanes, or for the construction or repair of buildings or structures
- to purchase land, a building or structure or any interest therein
- to subsidize fares for public transportation
- to subsidize utility rate demonstrations or State tax credits for energy conservation or renewable energy measures
- to conduct or purchase equipment to conduct research, development or demonstration of energy efficiency or renewable energy techniques and technologies not commercially available
- rental, lease or purchase of real property (land or buildings)
- lease payment for equipment and machinery

## **PROJECT TIMELINES**

DOE must approval all projects prior to EECBG grant funds being expended. No reimbursement for prior costs will be allowed. In addition, all projects must be completed by March 31, 2012.

## **REQUEST FOR APPLICATION TIMELINES**

Reponses to this RFA are due to the Metropolitan Mayors Caucus by **5:00 p.m., Friday, June 11, 2010.**

## GENERAL REVIEW AND EVALUATION

Proposals will first be evaluated to determine whether the proposed project meets the project eligibility criteria and based on the information supplied in the application, the proposal demonstrates sufficient likelihood of actual project development and completion.

**Grant Evaluation Criteria** Applications satisfying the general review will be evaluated on the basis of the following criteria. The evaluation criteria have been developed to identify those projects that best achieve the goals and objectives of the RFA, including job creation/retention.

**Application Quality:** Overall quality of the application document with regard to the written project description, measurable goals and objectives, clearly identified tasks and activities in a well developed work plan, budget, timelines, and easily identifiable deliverables.

**Feasibility of Project Plan:** Likelihood of project completion, potential to accomplish defined goals and objectives and technical feasibility.

### **Project Benefits:**

Economic Development/Job Creation: Potential for the project to support economic development in the State of Illinois through job creation and business development.

Energy Reduction: Potential for the project to save energy, measured in kWh, Therms, Btus etc.

Greenhouse Gas (GHG) Emission Reductions: Potential for the project to reduce GHG emissions, measured in CO<sub>2</sub> reductions.

**Timeliness of Projects:** The date by which the applicant will complete key milestones of the project. Preference will be given to projects that plan to be started and completed expeditiously.

**Leveraged Funds:** The portion or percentage of the project cost that will be funded by the applicant or other funding sources. Preference will be given to projects that make effective use of available private and public funding sources to ensure project viability.

**Other Criteria:** Other criteria as determined by DCEO to be in the best interest of the State of Illinois.

## **APPLICATION PACKAGE**

**The Application Package must include the following:**

- Application Cover Page**
- Project Narrative**
  - Project Description**
  - Project Benefit Narrative**
  - Project Budget Narrative**
- Attachment A**
- Attachment B**

**APPLICATION COVER PAGE**

**Applicant Information:**

Applicant \_\_\_\_\_ FEIN \_\_\_\_\_

Applicant Address (include 9 digit zip code) \_\_\_\_\_ County \_\_\_\_\_

Telephone Number \_\_\_\_\_ Fax number \_\_\_\_\_

**Project Information**

Project Name \_\_\_\_\_

Project Address \_\_\_\_\_ County \_\_\_\_\_

Project Contact \_\_\_\_\_ Phone \_\_\_\_\_

Project Contact E-mail address \_\_\_\_\_

Brief Project Description: \_\_\_\_\_

\_\_\_\_\_

Proposed Start Date \_\_\_\_\_ Planned Completion Date \_\_\_\_\_

Illinois Legislative District (s) the Project is located in House \_\_\_\_\_ Senate \_\_\_\_\_

**ACTIVITY APPLIED FOR**

\_\_\_\_\_

## Project Narrative

The project narrative should include the following:

A. Project Description. (4 page maximum) Required information:

1. Description of the project or program
2. Measurable goals and objectives of the project or program
3. Statement of Work that includes:
  - Clearly identified project or program tasks included in a well developed work plan
  - Easily identifiable project or program deliverables
4. Statement that certifies applicant has applied for EEP (if applicable), and amount applied for
5. Statement that certifies applicant will meet State Historic Preservation mandates (if applicable)

B. Project Benefits (Also include Attachment A)

**Economic Development/Job Creation**

- Application narrative must include a statement that addresses the potential for the project to support economic development in the state of Illinois through job creation and/or job retention. Please explain how the jobs created and retained were estimated or calculated.

**Energy Savings and Greenhouse Gas Emission Reductions, Renewable Energy**

- If applicable, the application must include the potential for the project to save or reduce energy, measured in kwh/therms/gallon/BTU's and must provide the potential for the project to reduce GHG emissions, measured in CO<sub>2</sub>, as well as renewable energy generated by renewable projects. Please explain how the energy and greenhouse gas emission benefits were estimated for purposes of the application and how they will be measured for reporting after project completion.

C. Project Budget (Also include Attachment B)

Provide a narrative of the project budget with an explanation of all project activities and related costs that are eligible for grant funds. Also describe any additional funding sources being leveraged with grant funds. If the applicant is applying for Energy Efficiency Retrofits in Buildings and Facilities, information must be included in the application that confirms the EEP Pre-Application has been submitted to DCEO and identifies the amount of the EEP rebate from the Pre-Application.

## ATTACHMENT A

### Project Benefits: Jobs, Energy Savings, Greenhouse Gas Reductions

#### 1. Job Creation

Jobs Related to Project:            Created: \_\_\_\_\_ Retained: \_\_\_\_\_

Jobs should be expressed as “full-time equivalents: (FTE’s), calculated as total hours worked divided by the number of hours in a full-time schedule as defined by the vendor. A job “created” is a new position created and filled, or an existing position that is filled as a result of the Recovery Act. A job “retained” is an existing position that would not have been continued in the absence of ARRA funding.

#### 2. Energy Savings and Greenhouse Gas Emission Reductions (Must be completed for each activity )

Fuel	Energy Saved	Million Btu	CO <sub>2</sub>
Electricity (kWh)			
Natural Gas (therms)			
Liquid Petroleum (LP) (gallons)			
Gasoline (gallons)			
Coal (tons)			
Oil #2 (gallons)			
Oil #6 (gallons)			
TOTAL			

1 kWh = 0.01034 MMBtu  
 1 therm = 0.1 MMBtu  
 1 gallon LP = 0.0955 MMBtu  
 1 gallon gasoline = 0.124884  
 1 ton coal = 20.169 MMBtu (U.S. avg., use actual)  
 1 gal #2 oil = 0.138874 MMBtu  
 1 gal #6 oil = 0.149793 MMBtu

1 kWh = 0.000722 Metric Tons CO<sub>2</sub>  
 1 therm = 0.00529 Metric Tons CO<sub>2</sub>  
 1 gallon LP = 0.005807 Metric Tons CO<sub>2</sub>  
 1 gal gasoline = 0.008601 Metric Tons CO<sub>2</sub>  
 1 ton coal = 1.747 Metric Tons CO<sub>2</sub>  
 1 gal #2 oil = 0.01015 Metric Tons CO<sub>2</sub>  
 1 gal #6 oil = 0.01181 Metric Tons CO<sub>2</sub>

#### 3. Renewable Energy Capacity

kW Capacity: \_\_\_\_\_

**ATTACHMENT B  
BUDGET DETAIL**

	<b>Total Costs</b>	<b>Applicant Investment</b>	<b>Contributions From Other Sources, e.g., EEP, RERP</b>	<b>EECBG Funding Requested</b>
<b>A. Purchase of Services:</b>				
<b>B. Equipment/Materials:</b>				
<b>Total:</b>				
<b>Percent of Total:</b>	<b>100%</b>			

**Purchase of Services:** List all applicable costs for design, consultation, installation and retrofit-related work.

	<b>Total Costs</b>	<b>EECBG Funding Requested</b>
1. _____ \$	_____ \$	_____ \$
2. _____ \$	_____ \$	_____ \$
3. _____ \$	_____ \$	_____ \$
4. _____ \$	_____ \$	_____ \$
5. _____ \$	_____ \$	_____ \$
6. _____ \$	_____ \$	_____ \$
<b>Subtotal</b>	<b>\$ _____</b>	<b>\$ _____</b>

**Equipment/Materials:** List all items of equipment to be purchased valued greater than \$100.

	<b>Total Costs</b>	<b>EECBG Funding Requested</b>
1. _____ \$	_____ \$	_____ \$
2. _____ \$	_____ \$	_____ \$
3. _____ \$	_____ \$	_____ \$
4. _____ \$	_____ \$	_____ \$
5. _____ \$	_____ \$	_____ \$
6. _____ \$	_____ \$	_____ \$
<b>Subtotal</b>	<b>\$ _____</b>	<b>\$ _____</b>

**ATTACHMENT C**  
**STATE HISTORIC PRESERVATION AGENCY**

**EECBG UNDERTAKINGS EXEMPT FROM SECTION 106 REVIEW**

**A. Category 1 – No Consultation required**

DOE and the SHPO have concluded that the following undertakings do not have the potential to cause effects on historic properties per 36 CFR § 800.3(a)(1):

**1. *General efficiency measures not affecting the exterior of the building:***

- a. Energy audits and feasibility studies
- b. Weatherization of mobile homes and trailers
- c. Caulking and weather-stripping around doors and windows in a manner that does not harm or obscure historic windows or trim.
- d. Water conservation measures -like low flow faucets, toilets, shower heads, urinals - and distribution device controls
- e. Repairing or replacing in kind existing driveways, parking areas, and walkways with materials of similar appearance
- f. Excavating to gain access to existing underground utilities to repair or replace them, provided that the work is performed consistent with previous conditions
- g. Ventilating crawl spaces
- h. Replacement of existing HVAC equipment including pumps, motors, boilers, chillers, cooling towers, air handling units, package units, condensers, compressors, heat exchangers that do not require a change to existing ducting, plumbing, electrical, controls or a new location, or if ducting, plumbing, electrical and controls are on the rear of the structure or not visible from any public right of way.
- i. Adding or replacing existing building controls systems including HVAC control systems and the replacement of building-wide pneumatic controls with digital controls, thermostats, dampers, and other individual sensors like smoke detectors and carbon monoxide detectors (wired or non-wired)
- j. New installation of non-hard wired devices including photo-controls, occupancy sensors, carbon dioxide, thermostats, humidity, light meters and other building control sensors, provided the work conforms with applicable state and local permitting requirements
- k. Adding variable speed drive motors
- l. Insulation of water heater tanks and pipes
- m. Furnace or hot water tank replacement that does not require a visible new supply or venting

**2. *Insulation measures not affecting the exterior of the building:***

- a. Thermal insulation installation in walls, floors and ceilings (excluding spray foam insulation)
- b. Duct sealing, insulation, repair or replacement in unoccupied areas
- c. Attic insulation with proper ventilation; if under an effective R8 - add additional R-19 up to R-38 (fiberglass bat only)
- d. Band joist insulation - R-II to R19 as applicable
- e. Water heater tank and pipe insulation

**3. *Electric base load measures not affecting the exterior the building:***

- a. Appliance replacement (upgrade to EnergyStar appliances)
- b. Compact fluorescent light bulbs
- c. Energy efficient light fixtures, including ballasts (Replacement)
- d. LED light fixtures and exit signs (Replacement)
- e. Upgrade exterior lighting (replacement with metal halide bulbs, LEDs, or others) along with ballasts, sensors and energy storage devices not visible from any public right of way