The American Recovery and Reinvestment Act (ARRA) of 2009

### **Energy Efficiency and Conservation Block Grant Program**

Planning and Strategy Development for Tribal Governments

Office of Weatherization and Intergovernmental Programs

June 12, 2009

#### The American Recovery and Reinvestment Act (ARRA) of 2009

### **Energy Efficiency and Conservation Block Grant Program**

Speakers

**U.S. Department of Energy** 

Charles Hemmeline
Johanna Zetterberg
Lizana Pierce
Roger Taylor, NREL

### <u>Agenda</u>

- I. EECBG Overview
- II. Application Process
- II. Eligible Activities
- III. The EE&C Strategy
- V. Additional Resources
- VI. Questions and Answers

### Program Purpose

- 1. To spur economic growth and create/retain jobs
- 2. To assist state, local, and tribal governments in implementing strategies to:



- a. Reduce fossil fuel emissions;
- b. Reduce total energy use;
- c. Improve energy efficiency in the transportation, building, and other appropriate sectors.



### Objectives

### **Recovery Act**

Transparency & accountability

### Strategic Energy

- Invest funds to stimulate economy now and meet long-term energy goals
- Create comprehensive energy programs/strategies with aggressive goals and benchmarks of current performance
- Develop programs and projects that will persist beyond grant period
- Leverage funds with public and private sources
- Coordinate across regions, states and local jurisdictions

# Funding Opportunity Announcement (FOA)

#### FINANCIAL ASSISTANCE FUNDING OPPORTUNITY ANNOUNCEMENT



U. S. Department of Energy

National Energy Technology Laboratory

Recovery Act – Energy Efficiency and Conservation Block Grants

- Formula Grants

Funding Opportunity Number: DE-FOA-0000013

Announcement Type: INITIAL

CFDA Number: 81.128 Energy Efficiency and Conservation Block Grant

Program (EECBG)

Issue Date: March 26, 2009

Application Due Date: For State Applicants Only: May 26, 2009

at 8:00:00 PM Eastern Time

Applicants are encouraged to submit their applications well before the due date.

For Units of Local Government and Tribal Applicants Only: June 25, 2009 at 8:00:00 PM Eastern Time. Applicants are encouraged to submit their applications well before this

due date.

### **Tribal Eligibility**

- •As defined by section 541(4) of Title V, Subtitle E of EISA, for the purposes of the EECBG Program, "'Indian tribe' has the meaning given the term in section 4 of the Indian Self-Determination and Education Assistance Act."
- •Tribal Allocation is distributed among the 562 federally recognized Indian tribes, listed in *Indian Entities Recognized and Eligible to Receive Services from the United States Bureau of Indian Affairs* published by Department of Interior's Bureau of Indian Affairs in the **Federal Register** on April 4, 2008, 73 FR 18553; and the 12 Alaska Native regional corporations established pursuant to the Alaska Native Claims Settlement Act (33 U.S.C. 1601 *et seq.*).

### Eligible Uses of Funds

- Primarily for energy efficiency and energy conservation
- Community-wide; not just municipal buildings and facilities
- Don't have to do capital projects, can do programs
- Prioritize activities that pay dividends year after year
- Funds must be obligated within 18 months, expended within 36
- 1. Strategy Development
- 2. Technical Consultant Services
- 3. Building Energy Audits
- 4. Financial Incentive Programs
- 5. Energy Efficiency Retrofits
- 6. Energy Efficiency and Conservation Programs for Buildings and Facilities
- 7. Development and Implementation of Transportation Programs
- 8. Building Codes and Enforcement

- 9. Energy Distribution Technologies for EE
- 10. Material Conservation Programs including source reduction, recycling, and recycled content procurement programs
- 11. Reduction and Capture of Methane and Greenhouse Gases
- 12. Traffic Signals and Street Lighting
- 13. Renewable Energy Technologies on Government Buildings
- 14. Any Other Appropriate Activity

### **Applications Accepted Now**

- For Tribal applicants deadline is June 25, 2009, 8:00:00 PM,
   Eastern Time
- You must register and apply to receive direct formula funds
  - Download the Funding Opportunity Announcement at http://www.eecbg.energy.gov
  - Complete 3 registration steps
  - Download the Application Package at Grants.gov
  - Submit application to <a href="http://www.fedconnect.net">http://www.fedconnect.net</a>

### Doing Business with the Federal Government

- There are several one-time actions you must complete in order to submit an application in response to this Announcement. Applicants must:
  - Obtain a Dun and Bradstreet Data Universal Numbering System (DUNS) number at <a href="http://www.dnb.com/US/duns update/">http://www.dnb.com/US/duns update/</a>
  - Register with the Central Contractor Registration (CCR) at http://www.ccr.gov/
  - Register E-Business Point of Contact with FedConnect to submit their application at <a href="http://www.fedconnect.net">http://www.fedconnect.net</a>. Once you are signed in, you MUST join the Response Team as a Team Member.
- Applicants who are not registered with CCR and FedConnect, should allow at least 21 days to complete these requirements. Register now!

### Accessing the Application Package

- The application package is located on <a href="http://www.grants.gov/">http://www.grants.gov/</a>.
- You can find it there by clicking on "Apply for Grants", then click on "download a grant application package" - use CFDA number 81.128. You will need to have the proper version of Adobe. You can verify your version of Adobe at this link: <a href="http://www.grants.gov/applicants/AdobeVersioningTestOnly.jsp">http://www.grants.gov/applicants/AdobeVersioningTestOnly.jsp</a>
- Once you download the application package, save it on your computer. This is the only step you need to do in Grants.gov.

### **Tribal Application Considerations**

- REQUIREMENT FOR TRIBAL APPLICANTS: A Tribal Council Resolution, or other evidence of the applicant's authority to submit the application on behalf of the Tribe, must be submitted as part of the application.
- A group of eligible Indian tribes may choose to submit a single application provided that the application is submitted by a single Indian tribe representing the group. The Tribal Council Resolution from each participating Tribe must be included with the application.
- Additionally, an organization may submit an application on behalf of an eligible Tribe or group of eligible Tribes provided a Tribal Council Resolution is submitted from the Tribe(s) that authorizes the organization to apply for, receive funds, and administer the grant on behalf of the Tribe(s).
- Only one application may be submitted by an Indian tribe. If the Indian tribe intends to use funding to support projects performed by different parts of the Indian tribe, the projects must be consolidated into a single application.
- Please see the FOA for complete details.

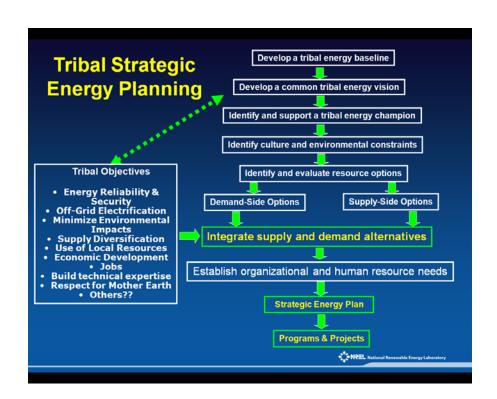
### Register and Apply to Receive Funds

- Register Now!
- For complete application instructions:
  - Read the FOA and "Special Application Instructions" available at <a href="http://www.eecbg.energy.gov">http://www.eecbg.energy.gov</a>
  - For additional information and upcoming EECBG Webinars, go to the DOE Solution Center at:
    - http://www.eecbg.energy.gov/solutioncenter/default.html

# What do you plan to do? Eligible activities Model EE&C Strategy

### 1. Development of a Strategic Plan

- Opportunity to create/modify a tribal energy/sustainability/climate/clean energy economic plan.
- 2. Hold community meetings, develop goals and objectives. Determine your priorities.
- 3. Get assistance from DOE, its partners, or other regional or national associations.
- 4. If you DO NOT submit Attachment D with your application, you can receive up to \$250K to develop your EE&C Strategy, due 120 days after award.
- 5. If you DO submit Attachment D with your application, you can STILL conduct planning activities as an eligible activity.



### 2. Technical Consultant Services

- Retain technical consultant services to assist in the development of an EE&C strategy
- Provide expert guidance to measure progress in achieving your goals
- Identify strategies to achieve goals
- Develop annual reports
- Other services for implementation



3. Residential and Commercial Building Energy

**Audits** 

- Fund tribe-wide residential energy efficiency audit program
- Provide small business audit and retrofit initiative
- Point-of-sale audit requirement
- Conduct benchmarking using tools such as Portfolio Manager



### 4. Financial Incentive Programs

- Create a revolving loan fund
- Amortize loans over long time periods
- Buy down interest rates
- Reduce costs through aggregation
- Provide on-bill financing
- Use Energy Saving Performance Contracts



City of Ann Arbor Municipal Energy Fund

### 5. Energy Efficiency Retrofits







- Fund residential, commercial, industrial, or local government energy efficiency facility retrofits
- Implement energy service company retrofit recommendations
- Conduct re-commissioning
- Conduct building retrofit training, including usage of diagnostic equipment, to identify areas of improvement, enhance maintenance practices, and identify new technologies



Refrigerators





Oil and Gas Boilers & Water Heaters

### 6. Energy Efficiency and Conservation Program for Buildings and Facilities

- Initiate a tribal green-energy efficiency retrofit program for residents and local businesses;
- Provide free retrofits to low and moderate income residents and small businesses utilizing retrained displaced workers;
- Establish high performance building practices;
- Improve coordination of energy-related policies;
- Leverage HUD and DOE utility low income & Weatherization programs.





### 7. Development and Implementation of Transportation Programs

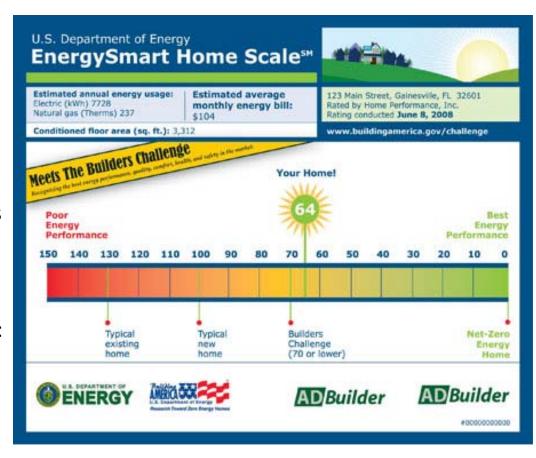
- Employee flex time programs
- Promote use of satellite work centers
- Develop and promote zoning guidelines that promote energy-efficient development
- Create regional transit-oriented development
- Establish alternative fuel polices and purchase alternative fuel vehicles
- Develop infrastructure such as bike lanes
   & walkways
- Create Incentive programs to reduce commutes



Mohegan Tribe Toyota Prius and Ford Escape

### 8. Building Codes and Inspections to Promote Building Energy Efficiency

- Develop and implement building codes and inspection services to promote building energy efficiency
- Adopt advanced building codes that target energy savings of 30% or higher than current standards
- Provide advanced training to builders and/or installers of materials or systems required by new energy codes
- Promote high performance buildings:
  - Green Buildings
  - US DOE Builders Challenge
  - Net Zero homes



### 9. Energy Distribution Technologies

- Technologies that significantly increase energy efficiency
- Build an integrated system
   within the electricity grid
   consisting of thermal generation,
   energy storage, and energy
   management systems—such as
   combined cooling, heat and
   power (CHP)
- Install numerous, small standalone electricity generators to provide back-up power at designated locations as part of an energy assurance plan
- Develop policies and incentives to implement CHP



Agua Caliente PV Trading Post

### 10. Material Conservation Programs that Lead to Energy Efficiency

- Implement a Zero Waste Initiative that lead to increases in energy efficiency
- Implement a sustainable purchasing policy
- Conduct business and industrial waste audits
- Implement a construction and demolition (C&D) materials recycling program
- Implement activities to increase participation and efficiency rates for material conservation programs

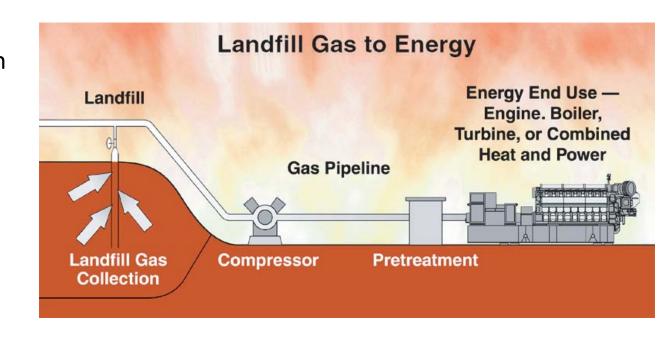




Craig, AK – Wood chip district heating system

## 11. Reduction and Capture of Methane and Greenhouse Gases generated by landfills or similar waste-related sources

- Purchase and implement technologies to reduce, capture, and use methane and other greenhouse gases such as a Landfill Gas (LFG) Project;
- Connect related power sources such as a wastewater treatment facility with a LFG operation.



### 12. Traffic Signals and Street Lighting

- Install and/or replace traffic signals and street lighting with energy efficient lighting technologies, including light emitting diodes; and any other technology of equal or greater energy efficiency;
- Implement traffic light synchronization.



### 13. Development or Implementation of On-Site Renewable Energy on Government Buildings

- Develop, implement, and install onsite renewable energy technology that generates electricity from renewable resources, including solar energy; wind energy; fuel cells; and biomass
- Develop a city-wide power purchase agreement for solar/renewable energy installations on all municipal facilities and buildings
- Install renewable energy systems on targeted city facilities—park facilities, libraries, fire stations, etc.



Tulalip new Administration Building uses geothermal generated power

### 14. Other Appropriate Activities as Approved

- Entities may submit any other appropriate activity for approval in the Energy Efficiency & Conservation Strategy
- Be innovative
- Propose and defend solutions that work for you

### Attachment D of the FOA

### ENERGY EFFICIENCY AND CONSERVATION STRATEGY

### Two Options for Submitting EE&C Strategy

- Submit at time of application using Attachment D
- Submit within 120 days of application if you need time to plan
- If you DO submit Attachment D with your application, you can STILL conduct planning activities as an eligible activity.

### **EE&CS: Your Answers Should Address**

#### Question 1 – What is your Proposed EE & Conservation Strategy?

- Clearly identify the goals and objectives relating to the use of EECBG funds only.
- If you have an existing strategy, explain how EECBG funding will support it.
- Outline briefly the major milestones.
- Example: "This project, the Capital Improvement Energy Efficiency Retrofit Program, aligns with the eligible activity, Energy Efficiency Retrofits."

#### Question 2 – What is Your Proposed Implementation Plan?

- Identify the eligible activities that programs and projects fall under.
- How do you plan to implement these activities?
- Relate response to Question 1 goals as appropriate.
- Example: "Under the eligible activity, Energy Efficiency Retrofits, the ESCO's energy audit serves as [County] county's implementation plan. We will use EECBG program funds to provide ..."

#### **Question 3** – How are You Working with Adjacent Units of Local Government? (Optional for Tribes)

- How are you coordinating with your neighbors?
- Example: [County] is a member of Regional Council which has convened meetings and held planning workshops for elected officials and staff for the purpose of setting regional energy reduction goals.

### **EE&CS: Your Answers Should Address**

Question 4 – How Will You Share Information with Your State? (Optional for Tribes)

- Explain how are you sharing information with your State
- Example: "We plan to share information with our state by providing them monthly reports and inviting them to our monthly meetings."

#### Question 5 – Describe How the Project Sustains Benefits Beyond the Recovery Act Period?

- Describe how your eligible activities are yielding benefits beyond the three year funding period.
- Show how these funds are being treated as an investment in the community.
- Example: "Energy reductions and cost savings resulting from our activities will sustain over the lifetime of the installed equipment, with added assurance as a result of our city's regular maintenance and operations schedule..."

#### Question 6 – How Will You Ensure Transparency & Accountability?

- What steps are you taking to prevent fraud, waste, error, and abuse?
- Example: "The Office director will be responsible for the plan development and implementation, and will regularly present budget and metric results to the city manager and city council. The Office director will work with the city's EECBG working committee of city, utility and public stakeholders to review the plan and provide for public input..."

### Attachment D of the FOA

### **ENERGY EFFICIENCY AND CONSERVATION STRATEGY**- Template

http://www.eecbg.energy.gov/solutioncenter/default.html

### 1. Describe your government's proposed Energy Efficiency and Conservation Strategy.

The [Tribe, Native Community, Native Corporation] from time immemorial has always been committed to adopting best ecological practices and policies in our government, services for our infrastructure and in relation to the natural environment in which we live. Within our [natural resources, environment, housing, forestry, utility, facilities, or other] department, energy efficiency and conservation [techniques, plans, programs] are of increasing importance due to rising energy costs. Our Tribal [council, native community/corporation] [leadership, board] has passed a resolution (attached) supporting the EECBG-funded efforts described below, as part of the [Tribe, Native Community, Native Corporation] commitment to reducing energy consumption and costs, thereby improving the local economy through jobs creation and retention of local earnings.

#### {Select appropriate goals and describe specific facilities, as appropriate}

Goal #1: Create and maintain functionally appropriate, sustainable, accessible, high quality Tribal infrastructure and facilities.

Goal #2: Protect and optimize the Tribe's natural ...

Goal#3: Adopt and enforce land-use policies that ...

Goal #4: Decrease overall community consumption of ...

Goal #5: Promote, implement and integrate sustainable practices ...

The Program's priorities are to: {as appropriate}

- 1) Reduce energy usage in our existing residential homes and neighborhoods
- 2) Reduce energy usage in existing facilities
- 3) Establish a revolving loan fund to ...
- 4) Establish a local jobs market to ...
- 5) Minimize administrative costs through ...

#### The What

### **Major Actions Timetable** (from funding date):

- 1 month -- Establish Working Group/Committee
- 3 months -- Develop residential/Tribal facility audit package
- 1 month -- Identify eligible Tribal facility measures
- 2 months -- Approve residential and Tribal facility measures
- 3 to 12 months -- Train local residents through (contractually required) internships with contractors if local skills are not available
- 3 months -- Establish the local energy services company administrative node
- 1 to 3 months -- Establish monitoring, verification and inspection procedures
- 3 months- 24 months -- Implementation of measures
- 3 months --Begin inspection and continuous evaluation to end of project

### 2. Describe your government's proposed implementation plan for the use of EECBG Program funds only

The Program's priorities are to: {as appropriate}

- 1) Reduce energy usage in our existing residential homes and neighborhoods
- 2) Reduce energy usage in existing facilities
- 3) Establish a revolving loan fund to ...
- 4) Establish a local jobs market to ...
- 5) Minimize administrative costs through ...

The How

3. Describe how your government is taking into account the proposed implementation plans and activities for use of funds by <u>adjacent units of local government</u> that are grant recipients under the Program (response not mandatory for Indian Tribes).

{While not required, if a key purpose of the proposal is to establish a Tribal Consortium among participants from neighboring Tribes, Native Communities, or within Regional Corporations, the proposal and regional energy plan can be strengthened by describing the benefits of this collaboration}

4. Describe how your government will coordinate and share information with the state in which you are located regarding activities carried out with grant funds to maximize energy efficiency and conservation benefits (response not mandatory for Indian Tribes).

5. Describe how this plan has been designed to ensure that it **sustains** benefits beyond the EECBG funding period. (see website text examples)

6. The President has made it clear that every taxpayer dollar spent on our economic recovery must be subject to unprecedented levels of transparency and accountability. Describe the **auditing or monitoring procedures** currently in place or that will be in place (by what date), to ensure funds are used for authorized purposes and every step is taken to prevent instances of fraud, waste, error, and abuse.

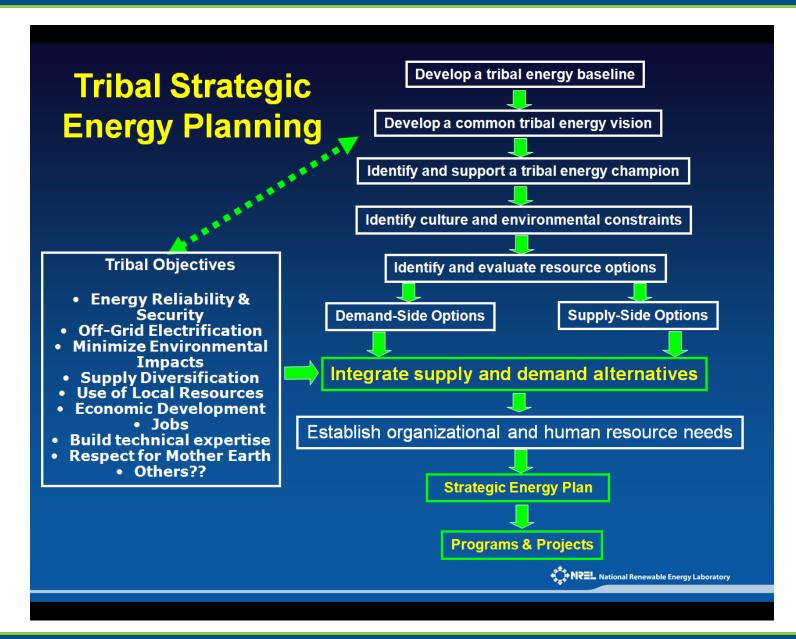
### The Who's in charge

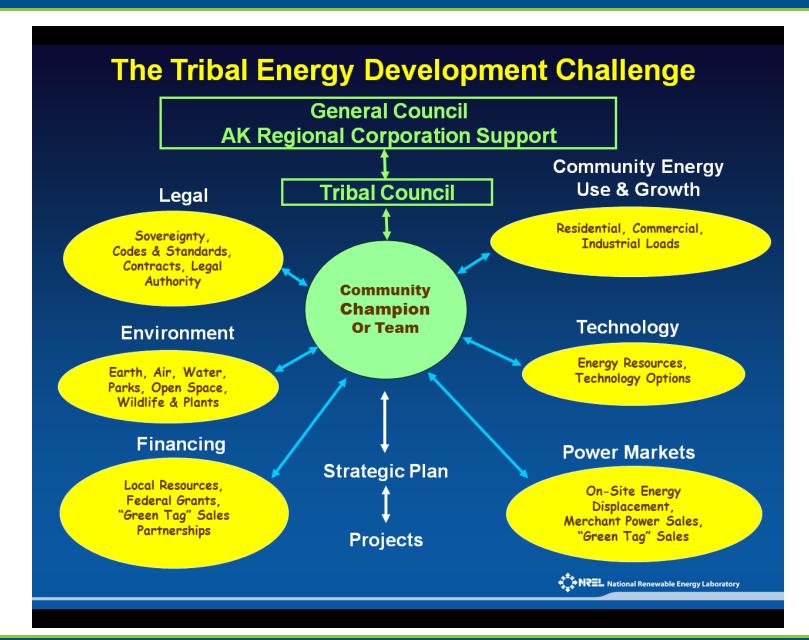
http://www.eecbg.energy.gov/solutioncenter/default.html

### **Strategic Energy Planning**

Defining where you are,
Where you want to go,
What are your energy options, and
Developing a plan to get there.







### Establish implementation program & projects

#### Characteristics of a Solution

- Rapid
- Technically & Institutionally Sustainable
  - Maximize Coordination
    - Politically Feasible
- Attracts Financing, Capital, Sweat Equity
  - Reinforces tribal enterprises



### **Opportunities & Strategies**

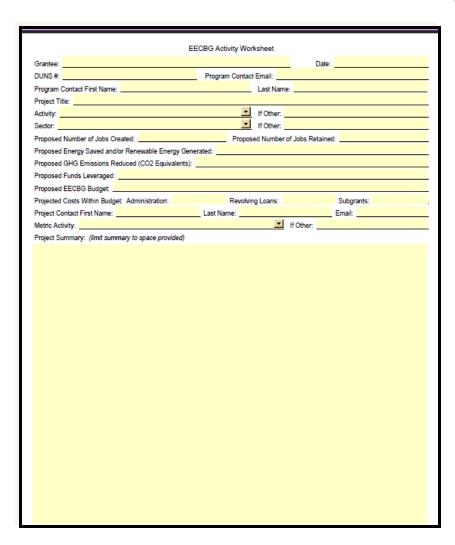
- Tribal utility formation
- Strategic industry partnerships
- Tribal cooperatives
- Education



### **Barriers Identification**

- Financing
- Human Capacity Development
- Organizational Development
- Tribal Laws and Regulations
- Clear Decision Making Process
- Stable Leadership

# **B-1 Attachment -- Project Activity Sheet**



- One activity per sheet
- Describe/summarize activity
- Proposed benefits are estimates only
- Be brief, clear and complete

# Staged Disbursement of Funds

Award Range	Amount Obligated	Requirements
\$0 to \$250K	100% of allocation will be disbursed at time of award.	No EECS is required prior to award, but EECS must be submitted within 120 days of the effective date of the award.
\$250K to \$2 million	Applicants may receive up to \$250K for development of the EECS and approved activities.	<ul> <li>If the EECS is not submitted with the application, it's required within 120 days of the effective date of the award</li> <li>The balance of the allocation will be obligated upon DOE's approval of the recipient's EECS.</li> </ul>
Over \$2 million	Applicants may receive up to \$250K at time of award for development of the EECS and approved activities or 50% of the total allocation if an acceptable EECS has been submitted with the application and has been approved by DOE.	The balance of funding will be obligated after one or more progress reviews in which the recipient must demonstrate that it has obligated funds appropriately, complied with reporting requirements, and created jobs.

# Limitations on the Use of Funds for Local Governments and Tribes

- Cap on administrative costs, excluding reporting: 10% or \$75,000, whichever is greater
- Cap on revolving loan funds: 20% or \$250,000, whichever is greater
- Cap on sub grants to non governmental organizations for assistance in implementation of strategy: 20% or \$250,000, whichever is greater

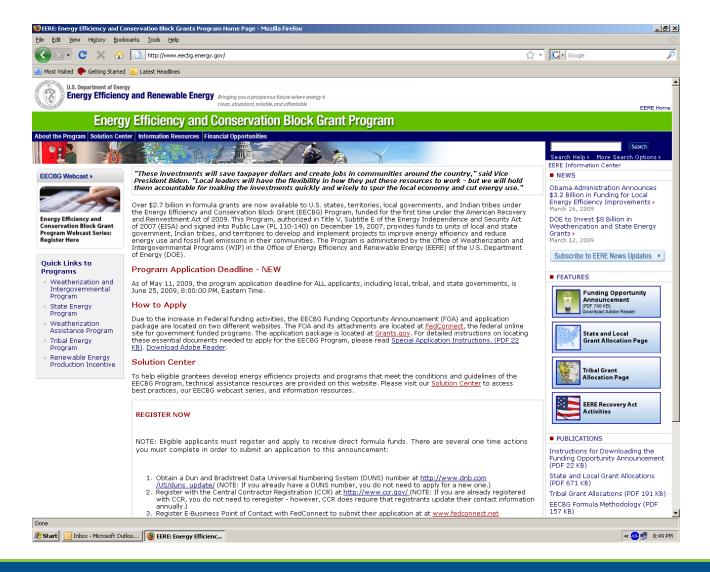
# NEPA – National Environmental Policy Act

- NEPA requires federal agencies to base their major decisions on high quality environmental information
- All EECBG activities are subject to NEPA review
- Not all will be subject to the same levels of review
- Some proposed activities will likely qualify for categorical exclusions
- Others proposals will need an environmental assessment or an environmental impact statement, which could delay the award process and the ability of the grantee to obligate and expend program funds within the required timeframes
- More detailed information starts on page 19 of the FOA Amendment 3
- Need to consider NEPA when developing strategy

## Start Now!!!

- Start planning activities and developing your strategy
- Meet with local stakeholders
- Look for opportunities to leverage funds
- Coordinate with other grantees to maximize impact
- Determine methods to monitor and manage funds to ensure accountability
- Evaluate options: Will this project be successful? Will this project make a difference? Will it save energy? Will it create jobs?

# Bookmark Program Site: www.eecbg.energy.gov



## For More Information

- EECBG Solutions Center
   <a href="http://www.eecbg.energy.gov/solutioncenter/default.html">http://www.eecbg.energy.gov/solutioncenter/default.html</a>
- EECBG Program Page http://www.eecbg.energy.gov/
- EERE Recovery Act Activities
   <a href="http://www.eere.energy.gov/recovery/">http://www.eere.energy.gov/recovery/</a>
- Weatherization and Intergovernmental Program <a href="http://www.eere.energy.gov/wip/">http://www.eere.energy.gov/wip/</a>

### **New Resources For Grantees**

- EECBG Webinars:
  - Planning and Strategy Development
  - Application Process
  - These will be repeated regularly
  - Register online
- Solution Center
  - Best practices and tools
  - Accessible from eecbg.energy.gov
- Coming soon
  - Technical assistance from DOE Labs
  - Competitive grants FOA





Energy Efficiency and Conservation Block Grant Program Webcast Series: Register Here

# **Questions?**

Send your question in an email to <u>EECBG@NETL.DOE.GOV</u>

-Or-

- Contact the EERE Information Center
  - Submit questions online
     <a href="http://www.eere.energy.gov/informationcenter">http://www.eere.energy.gov/informationcenter</a>
  - Call via toll-free phone
     1-877-EERE-INF (1-877-337-3463)

# Thank You! Check the website for updates: www.eecbg.energy.gov