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

May 18, 2009

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

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

#### Speakers

**U.S. Department of Energy** 

Molly Lunn Lizana Pierce Johanna Zetterberg

#### **Facilitators**

Michael Myers, Lockheed Martin George Burmeister, Colorado Energy Group

#### The Purpose of This Webinar is to Provide You With:

- An overview of the EECBG Program
- A review of the application process
- A review of the eligible activities and examples of potential projects
- Guidance on the Energy Efficiency Conservation
   Strategy (EE&C Strategy) and;
- Guidance for successful program implementation

#### <u>Agenda</u>

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

#### Secretary Chu on the Block Grants



"The Block Grants are a major investment in energy solutions that will strengthen America's economy and create jobs at the local level. The funding will be used for the cheapest, cleanest and most reliable energy technologies we have – energy efficiency and conservation – which can be deployed immediately. The grants also empower local communities to make strategic investments to meet the nation's long term clean energy and climate goals."

- Secretary Steve Chu

#### **EERE Recovery Act Funding Overview**

- EERE: \$16.8 billion (10-Fold Increase in Budget)
- WIP: \$11.6 B (70% of EERE Recovery Act Funds)
- WIP is the steward of significant investment in state, local, and tribal governments

Weatherization Assistance	\$ 5.0 B
State Energy Program	\$ 3.1 B
<b>EECBG Program Formula</b>	\$ 2.8 B
<b>EECBG Program Competitive</b>	\$ 400 M
<b>Appliance Rebate Program</b>	\$ 300 M

#### 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

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Announcement Type: |NITIAL

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.

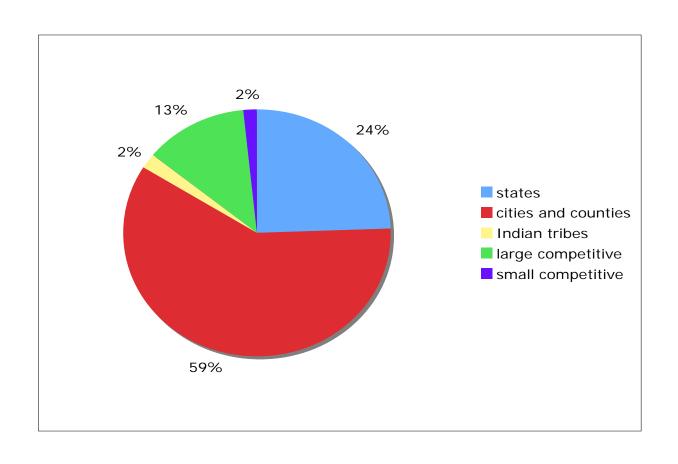
For Units of Local Government and Tribal Applicants Only: June 25, 2009 at 8:00:00

PM Eastern Time. Applicants are encouraged to submit their applications well before this

due date.

www.eecbg.energy.gov

#### Appropriations: Total \$3.2 billion



Cities and counties

\$1,880,310,000

**States** 

\$767,480,000

**Indian tribes** 

\$54,836,200

**Competitive grants:** 

To be announced

#### **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.*).

#### Formula Inputs

- The formula for Tribal governments is based on two weighted factors:
  - 75% tribal population
  - 25% climatic conditions in each tribe's state, derived from heating and cooling degree days.
- Formula methodology and allocations available on www.eecbg.energy.gov

$$A_{i} = \left\{ WF_{1} \frac{P_{i}}{\sum_{\text{Indian tribes}} + WF_{2}} \frac{\left(\frac{HDD_{s}}{|HDD|} + 0.1 \frac{CDD_{s}}{|CDD|}\right)}{\sum_{\text{Indian tribes}} \left(\frac{HDD_{s}}{|HDD|} + 0.1 \frac{CDD_{s}}{|CDD|}\right) \right\} F_{i}$$

#### 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. Building Energy Audits & Retrofits
- 3. Financial Incentive Programs
- 4. Energy Efficiency and Conservation Programs for Buildings and Facilities
- 5. Development and Implementation of Transportation Programs
- 6. Building Codes and Enforcement
- Energy Distribution Technologies for EE including CHP & district heating and cooling

- 8. Material Conservation Programs including source reduction, recycling, and recycled content procurement programs
- Reduction and Capture of Methane and Greenhouse Gases
- 10. Traffic Signals and Street Lighting
- 11. Renewable Energy Technologies on Government Buildings
- 12. 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.
- Additional application materials

#### **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.

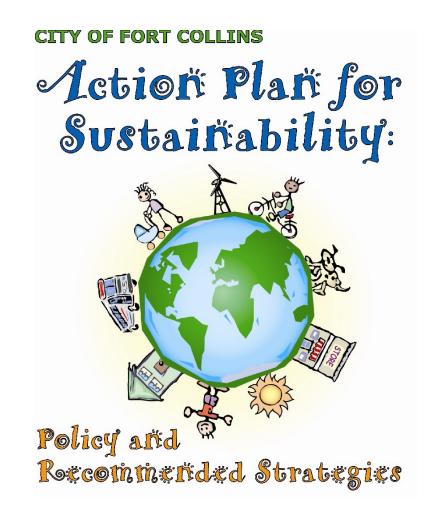
#### Register and Apply to Receive Funds

- 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>
  - Participate in upcoming Application Process Webinar, Wednesday, May
     20th

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

#### 1. Development of a Strategic Plan

- Opportunity to create/modify a community energy/sustainability/climate/clean energy economic plan.
- 2. Hold neighborhood 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.
- 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 community-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

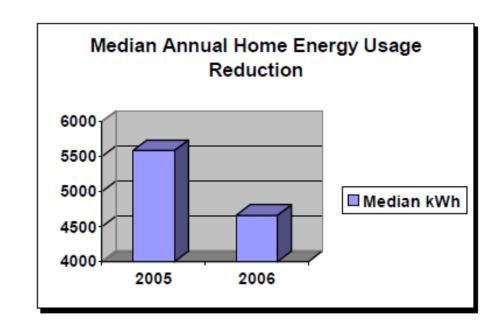
- Create a revolving loan fund
- Amortize loans over long time periods
- Buy down interest rates
- Reduce costs through aggregation
- Provide on-bill financing
- Use Energy Saving Performance Contracts



City of Ann Arbor Municipal Energy Fund

#### 5. Energy Efficiency Retrofits

- •Fund residential, commercial, industrial, or tribal 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



City of Houston
Pleasantville Weatherization
Program

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

- Initiate a neighborhood 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

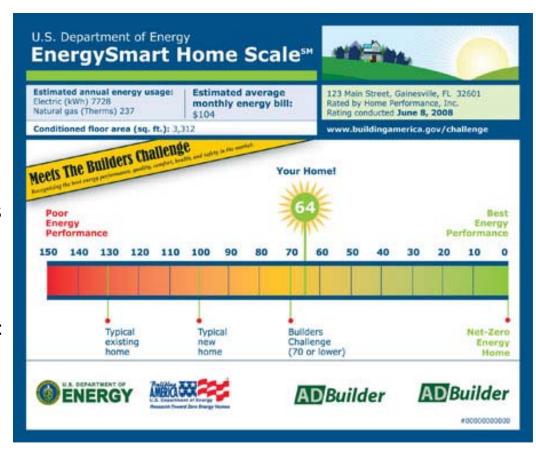
- Employee flex time programs
- Promote use of satellite work centers
- Develop and promote zoning guidelines that promote energy-efficient development
- Create regional transit-oriented development
- Establish alternative fuel polices and purchase alternative fuel vehicles
- Develop infrastructure such 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



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

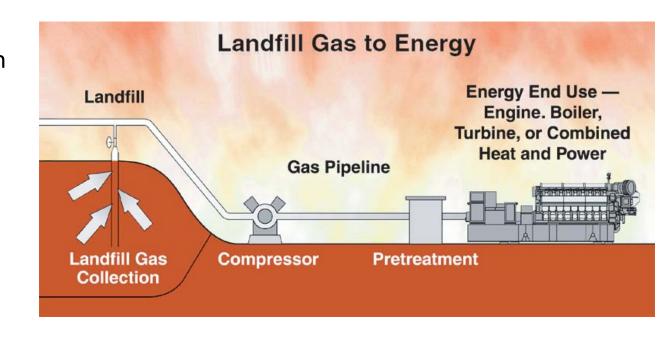
- Implement a Zero Waste Initiative that lead to increases in energy efficiency
- Implement a sustainable purchasing policy
- Conduct business and industrial waste audits
- Implement a construction and demolition (C&D) materials recycling program
- Implement activities to increase participation and efficiency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





## 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 community-wide power purchase agreement for solar/renewable energy installations on all tribal government facilities and buildings
- Install renewable energy systems on targeted community 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."

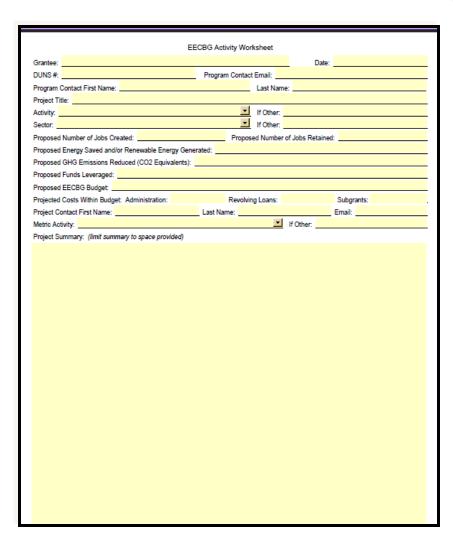
**Question 5** – Describe How the Project Sustains Benefits Beyond the Recovery Act Period?

- 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..."

#### **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

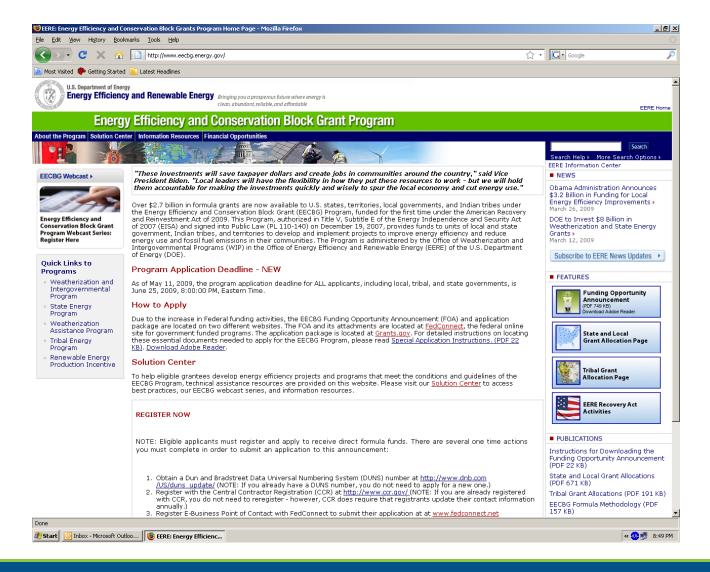
#### NEPA – National Environmental Policy Act

- 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 18 of the FOA
- 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 Program Page
   http://www.eecbg.energy.gov/
- EECBG Solution Center
   <a href="http://www.eecbg.energy.gov/solutioncenter/default.html">http://www.eecbg.energy.gov/solutioncenter/default.html</a>
- 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 Wed May 20
  - 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

#### **EECBG Webcast ▶**



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