

The U.S. EPA Local Climate and Energy Program webcast titled **“Clean Energy Workforce Development for Local Governments and Communities”** will start in a few minutes.

Thank you for joining us.





Clean Energy Workforce Development for Local Governments and Communities

U.S. EPA Local Climate and Energy Webcast
January 26, 2010

Webcast Agenda



- Introduction and U.S. EPA Local Climate and Energy Program Overview, Neelam R. Patel & Dana Hyland
 - www.epa.gov/statelocalclimate/local.html
- U.S. EPA – Growing Green Jobs to Achieve Climate and Energy Goals, Danielle Byrnett
 - www.epa.gov/statelocalclimate/local/topics/workforce
- U.S. DOL – Overview of the Public Workforce System, Michelle Massie
 - www.doleta.gov
- Santa Fe ¡YouthWorks! – Local Government and Community Partnerships for Clean Energy Workforce, Melynn Schuyler & Kate Noble
 - www.santafeyouthworks.org
- Clean Energy Works Portland - An Energy Efficiency Retrofit Program, Derek Smith
 - www.cleanenergyworksportland.org
- Q and A Session

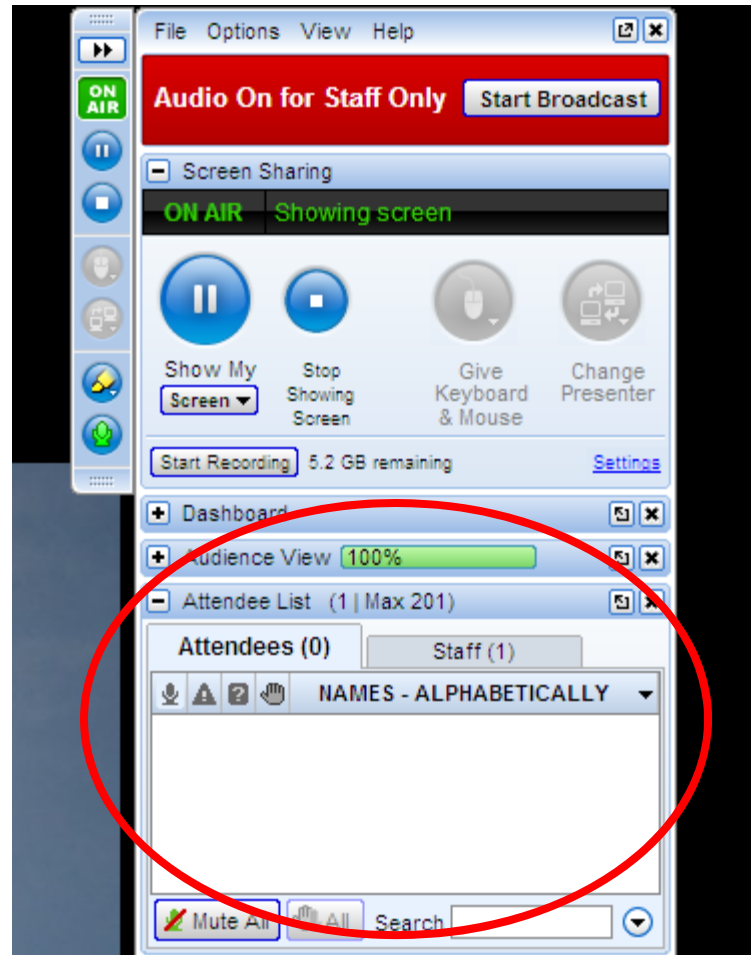
GoTo Webinar Software Logistics



- You will be muted throughout this webcast to minimize background noise. You'll be able to submit questions and comments in writing.
- Today's session will be recorded and will be made available for download in mid-February at:
 - All files: www.epa.gov/statelocalclimate/web-podcasts/local-webcasts-by-date
 - Podcasts: www.epa.gov/statelocalclimate/web-podcasts
- Throughout the webcast, if you have problems, please contact Lauren Pederson at Lpederson@icfi.com

Attendees (GoTo Meeting)

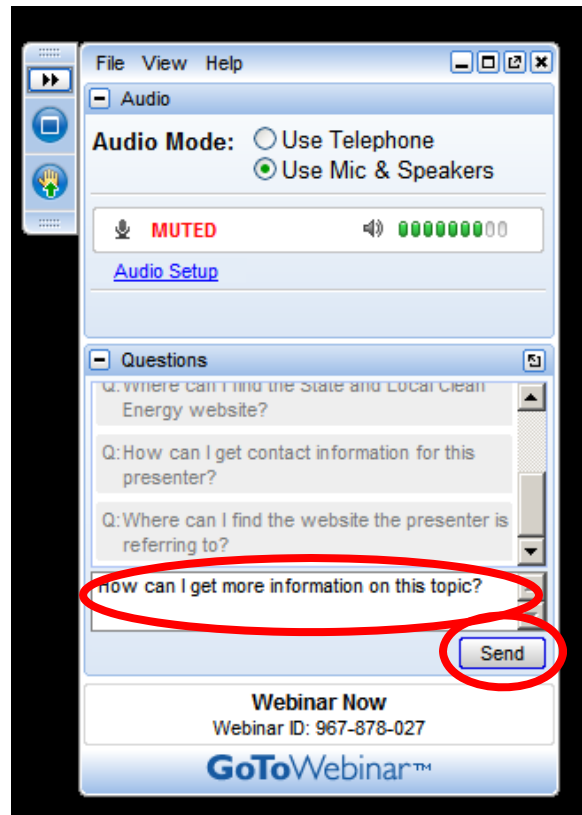
You can see who else is participating in the Attendees list.



Questions (GoTo Meeting)

If you have a question, submit through the question pane.

We will compile these questions, and ask them during the Q&A session. Please include the name of the presenter who should answer your question.



Optional Feedback (GoTo Meeting)



A pop-up window will appear once you exit GoTo Meeting. If you have feedback, please respond to the optional questions in the designated areas.

A screenshot of a web browser window displaying a feedback survey for an EPA Webinar. The browser's address bar shows the URL: https://www2.gotomeeting.com/en_US/organizers/webinar/previewSurvey.html?sn=custQList&wid=537871011&Prev=true&Fn=tempForm. The survey title is "EPA Webinar" and the date/time is "Tuesday, January 26, 2010 10:00 AM - 11:00 AM EST". The survey form includes three text input fields for feedback, a "Submit" button, and a "Close" button. A privacy notice at the bottom states: "Your email address and personal information are confidential and will not be sold or rented by GoToWebinar. View the GoToWebinar Privacy Policy." The browser window title is "GoToWebinar : Preview of Survey - Microsoft Internet Explorer provided by ICF International".

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EPA Webinar

Tuesday, January 26, 2010 10:00 AM - 11:00 AM EST

Survey Form

We would appreciate your feedback about our Webinar. Please complete the survey below.

What topic would you like to see on the next EPA webcast?

Did you find this webinar helpful? Why or why not?

Do you have any remaining questions that were not addressed during the webinar?

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Local Climate and Energy Program



Informational and Peer Exchange Network

- Advance comprehensive climate and clean energy approaches in local governments and their communities
- Focus on established, cost-effective best practices: Energy efficiency first, renewable energy second
- Serve as a gateway to existing resources and programs
- Develop new tools, resources, and guidance
- Facilitate peer to peer exchange
- Showcase success stories

www.epa.gov/statelocalclimate/local.html

Local Climate and Energy Program Goals



Assist localities (e.g., tribal governments, regional governments, municipalities and small communities) to:

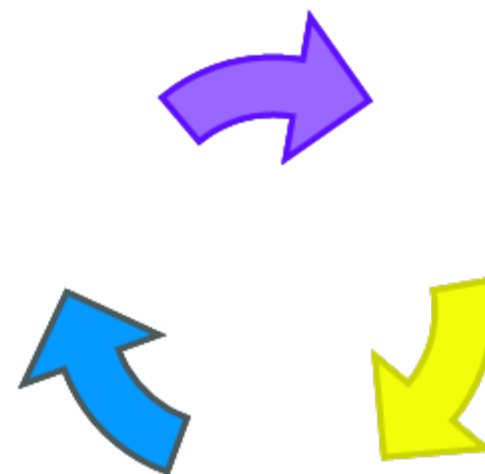
- Reduce greenhouse gas emissions while achieving their sustainability goals
- Identify and work with expert partners and programs
- Understand, integrate, and maximize multiple benefits (e.g., energy savings, cost savings, public health benefits, economic growth, securing local energy) in planning and designing programs

EPA Local Climate and Energy Program Approach



Multiple Benefits Framework for Climate - Clean Energy

- Local Governments can achieve:
 - Air quality improvements
 - Greenhouse gas emission reductions
 - Energy security and reliability
 - Economic development
 - Public health
 - Quality of life



Clean Energy: Energy Efficiency, Renewable Energy, Clean Distributed Generation

Local Climate and Energy Strategy Guides



- **Covers Multiple Strategies in Five Areas**

- Energy Efficiency, Energy Supply, Transportation, Urban Planning and Design, Solid Waste and Materials Management
- For each strategy, outlines: benefits, measures, key participants, mechanisms for implementation, costs, funding, interaction with federal, regional, and state programs, case studies, and resources/references

- **Eight Draft Guides Currently Available**

- Energy Efficiency in Affordable Housing
- Energy Efficient Product Procurement
- Combined Heat and Power
- Energy Efficiency in Municipal Operations
- Green Power Procurement
- On-site Renewables
- Landfill Gas to Energy
- Energy Efficiency in K-12 Schools

- **Upcoming Guides**

- Transportation Control Measures
- Efficient Fleets
- Smart Growth
- Reducing Urban Heat Islands

www.epa.gov/statelocalclimate/resources/strategy-guides.html

Webcasts and Training



- Local Climate and Energy Webcast Series
 - Held monthly, announced via our listserv and website
 - Each call features local government case studies and speakers
 - Future Topics:
 - Green Power Communities
 - Smart Grid
 - Smart Growth
 - Transportation Control Measures
 - Heat Island Reduction
 - View past webcasts at:
 - All files: www.epa.gov/statelocalclimate/web-podcasts/local-webcasts-by-date
 - Podcasts: www.epa.gov/statelocalclimate/web-podcasts
- Additional Webcast Opportunities
 - ENERGY STAR Training Center <http://energystar.gov/training>
 - State Climate and Energy Technical Forum
www.epa.gov/statelocalclimateee/web-podcasts/forum.html
 - DOE Technical Assistance Project for State and Local Officials
http://apps1.eere.energy.gov/wip/tap_webcasts.cfm

Upcoming Local Climate and Energy Webcasts



February:

- In partnership with EPA's Green Power Partnership, EPA's Local Climate and Energy Program will host a joint webcast.
 - Title: Green Power Communities
 - Date: Tuesday, February 23, 2010
 - More info at: www.epa.gov/grnpower/events
- Future Webcast Topics:
 - March - Smart Growth
 - April - Smart Grid



EPA ARRA Resources for Energy Efficiency and Renewable Energy Projects



State and Local Climate and Energy Economic Recovery Resources Website

www.epa.gov/statelocalclimate/econ-recovery

Funding Opportunities within ARRA 2009:

- **Document:** American Recovery and Reinvestment Act of 2009: A Guide to Renewable Energy and Energy Efficiency Opportunities for Local and Tribal Governments

EPA Programs and Resources:

- **Document:** ARRA 2009: State and Local Guide to U.S. EPA Climate and Energy Program Resources

Project Ideas and Implementation Support Resources:

- **Toolkits** - Rapid Deployment Energy Efficiency (RDEE)
- **Documents** – Clean Energy Funds, EECBG drop-in text samples, Local Clean Energy Strategy Guides, Energy Star products for Shovel-ready projects
- **Webcasts** – Local climate and energy webcast series, Energy STAR building benchmarking webcasts, other Energy STAR webcasts

Climate Showcase Communities Grant



Funded in FY 2009 and FY 2010 Appropriations Bill

- **\$10M Competitive grant to assist local communities in pursuing their own climate change initiatives**
- **Goal is to achieve documentable, replicable GHG reductions from a range of activities**
- **Program will:**
 - **Foster collaborative partnership between communities and with the Federal government**
 - **Ensure federal investments spur local innovation and produce concrete results**
 - **Promote transfer of best practices among localities**
 - **Identify strategies to overcome institutional barriers to local governments achieving energy use and GHG reductions**
- **Grantees will be awarded in February 2010**
- **Next Solicitation will open in late Spring 2010.**



Climate Showcase Grant Framework



- Demonstrate integrated and sustainable community approaches that achieve large reductions in GHG emissions and additional co-benefits (Air Quality, Jobs, etc.)
 - Planning through implementation (including financing, technical assistance, policy development, training, and partnerships)
 - Major emission sources -- buildings, transportation, public services
 - Robust Measurement and Reporting
- Build networks and peer exchange to share approaches
 - Spur additional climate action
 - Move beyond “shovel ready” clean energy projects to comprehensive and integrated GHG management that creates jobs
 - Offer forums for training and peer exchange
 - First Training workshop – Spring 2010
 - Annual Conferences





State and Local Climate and Energy Website – Release on February 16



Provides State and Local governments with:

- Information to develop comprehensive **climate strategies**
- Background on climate change topics
- Information to **develop and implement climate mitigation policies and programs**
- Links to a wide array of **tools, guidance documents, webcasts, podcasts, and other technical assistance opportunities**
- **Examples and case studies**

www.epa.gov/statelocalclimate

State and Local Climate and Energy Program

Contact Us Share

What's New

- Feb 15 - EPA launches new State and Local Climate and Energy Web site

State Podcast

- Energy Efficiency Resource Standards, January 19, 2010

Local Podcast

- Clean Energy Workforce Development, January 27, 2010

EPA State Technical Forum

February 11, 2010
U.S. EPA Mandatory Reporting Rule

» Put this widget on your Web site.

EPA Local Webcasts

February 24, 2010
Smart Growth

» Put this widget on your Web site.

Quick Finder

State		Local	
• Getting Started	• GHG Inventories	• Getting Started	• Local Strategy Guides
• Technical Forum	• Green Jobs	• Webcasts	• Energy Efficiency in Municipal Operations
• Partner Network	• Lead by Example Guide	• Resources Database	• Local Government Community Types
• Bioenergy Primer	• State & Regional Climate Policy Tracking	• GHG Inventories	
		• Green Jobs	

EPA's State and Local Climate and Energy Program provides technical assistance, analytical tools, and outreach support to state, local, and tribal governments. Specific assistance includes:

- Identifying and documenting cost-effective policies and initiatives that address climate change, including those that promote renewable energy, energy efficiency, and related clean technologies.
- Measuring and evaluating the environmental, economic, and public health benefits of climate change and clean energy initiatives.
- Offering tools, guidance, and outreach support for assessing the options and benefits of actions to reduce greenhouse gas emissions.
- Fostering peer exchange opportunities for state and local officials to share information on best practices and lessons learned about innovative policies and programs.

State Climate and Energy Program

Local Climate and Energy Program

EPA's Local Climate and Energy Program helps local governments meet sustainability goals with cost-effective climate change and clean energy strategies. Local governments can reduce greenhouse gas emissions and achieve multiple community goals such as reducing air pollutants, lowering energy costs, supporting local economic development, and improving public health, quality of life, and the reliability and security of their energy system.

More »

State Examples

Case studies, GHG inventories, Climate action plans

EPA Partnership and Technical Support Opportunities for Locals



- Help Local Governments:**
- Learn from Best Practices
 - Emphasize Co-Benefits
 - Integrate Planning
 - Prioritize EE as a Resource
- These programs offer:**
- Direct Technical Support
 - Peer Exchange
 - Tools and Guidance



Collision Repair Campaign



Resource Guide: State & Local Guide to U.S. EPA Climate and Energy Program Resources



- **Provides overview of EPA clean energy programs that can help expand or develop clean energy initiatives**
- **Each program description includes:**
 - **Basic information and contact details**
 - **Potential target audiences**
 - **Highlights of tools and resources**
 - **Suggestions of possible actions**
- **EPA programs are organized into six categories:**
 - **Buildings**
 - **Industry**
 - **Electric power and renewable energy**
 - **Transportation**
 - **Energy education**
 - **Policy, planning, and energy security**
- **www.epa.gov/statelocalclimate/documents/pdf/slb_guide_to_program_resources.pdf**

Resources for Clean Energy Workforce Development



- *Green-Collar Jobs in America's Cities: Building Pathways Out of Poverty and Careers in the Clean Energy Economy* (March 2008)
www.apolloalliance.org/downloads/greencollarjobs.pdf
- Green For All
www.greenforall.org/resources/people-programs
- EPA State Clean Energy Workforce Development materials
www.epa.gov/statelocalclimate/web-podcasts/forum.html#wd1
- NEW - EPA Local Workforce Development Web page
www.epa.gov/statelocalclimate/local/topics/workforce.html

EPA Brownfields Job Training Program



- EPA's Brownfields Program is an organized commitment to help communities
 - revitalize brownfields properties both environmentally and economically
 - mitigate potential health risks
 - restore economic vitality
 - create a pool of skilled workers capable of meeting the environmental cleanup and green jobs industries' demand for workers
- The Program provides funding and technical assistance for environmental cleanup and health and safety training to organizations currently training residents of brownfields-impacted communities who are seeking new skills and greater earning potential.
- By seeking input from local stakeholders—including workforce development entities and representatives from private industry—these training programs strengthen community bonds and produce graduates that are attractive to local employers.

EPA Brownfields Job Training Grants



- **Job Training Highlights:**
 - EPA has provided 144 total brownfields job training grants
 - Each grant is funded up to \$200,000 over 2 years
 - Job Training Grants total more than \$25 million
 - More than 5,000 participants have completed EPA-funded training
 - More than 3,250 graduates have obtained employment with an average starting hourly wage of almost \$14 (depending on factors such as participant age, location, and type of jobs)
 - Bring together community groups, job training organizations, educators, labor groups, investors, lenders, developers, and other affected parties
- **Skills gained through Brownfields Job Training programs include:**
 - green remediation techniques
 - recycling of demolition materials
 - installation of solar panels and other renewable energy systems
 - Leadership in Energy and Environmental Design (LEED) certification of new development

Brownfields Information



- **The Brownfields Toolbox**
 - <http://brownfields-toolbox.org/>
- **How to apply for a grant**
 - <http://www.epa.gov/brownfields/job.htm>
 - Requests for proposals (RFPs) go out in late summer every year
 - **How are the jobs grants administered?**
 - **Who can apply?**
 - **How are these grants awarded in respect to the Brownfields revitalization grants?**
 - Local governments can strengthen their applications by working with local organizations who work on green jobs
 - Contact your EPA Brownfields Regional Coordinator for more information
<http://www.epa.gov/brownfields/regcmtct.htm>
- **Application Guidelines for Brownfields Job Training Grants Frequently Asked Questions (FAQs)**
http://www.epa.gov/brownfields/proposal_guides/fy10jtfaqs.pdf
- **Other Brownfields Grants** http://www.epa.gov/brownfields/grant_info/index.htm
- **Opportunities with EPA's Brownfields Job Training Program**
Joe Bruss, bruss.joseph@epa.gov, 202-566-2772, <http://www.epa.gov/brownfields/job.htm>

New ENERGY STAR Curriculum – Overview



- **Target: Community college students**
- **Goal: Students will learn how eliminating energy waste can help improve the profitability and/or fiscal responsibility of an organization and how this relates to skills they can bring to their current or future workplace.**
- **Content: Benefits and barriers of commercial building energy efficiency through an in-depth look into EPA's ENERGY STAR program.**
- **Topics include:**
 - **Current trends in commercial building energy efficiency**
 - **Transforming the market with ENERGY STAR**
 - **ENERGY STAR Guidelines for Energy Management**
 - **Rating building energy efficiency with Portfolio Manager**
 - **Best energy efficiency practices**
 - **Engaging employees in energy conservation**
 - **Tracking energy savings and greenhouse emissions reductions over time**

New ENERGY STAR Curriculum – Roll Out



- **11-week, 2.5-3 hour course syllabus includes hands-on learning opportunities such as measuring the energy use of an actual building and identifying energy efficiency opportunities.**
 - Course Outline ([available now](#))
 - Reading List ([available now](#))
 - Course Syllabus (*forthcoming*)
 - Review Questions (*forthcoming*)
 - Activities / Project Descriptions (*forthcoming*)
 - PowerPoint Presentations (*forthcoming*)
 - Discussion Topics (*forthcoming*)
- **Availability**
 - Spring Semester 2010: Pilot at Metro Community College, Omaha, NE
 - Spring 2010: Post course outline instructor materials on energystar.gov
 - Fall 2010: Offered through the ENERGY STAR program on-line
 - Late 2010: Post a recorded version of the 11 week course on-line
- **For more information**, contact Katy Hatcher, hatcher.caterina@epa.gov, 202-343-9676

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Main Website:

www.epa.gov/statelocalclimate/local.html

State and Local Climate and Energy Listserv:

www.epa.gov/statelocalclimate/listservs/index.html#a01