US EPA ARCHIVE DOCUMENT

U.S. EPA's Local Climate and Energy Webcast Series

Presents:

Climate Action Planning

We will start in a few minutes. Thank you for joining us.

Climate Action Planning

U.S. EPA Local Climate and Energy Program

Thursday, November 17, 2011

2:00 PM ET – 3:30 PM ET

Webcast Agenda

- EPA introduction
  Dan Wallach and Neelam R. Patel, U.S. EPA Local Climate and Energy Program

- Climate action planning overview and best practices
  Julia Parzen, Urban Sustainability Directors Network

- Case study 1: Kansas City, Missouri
  Dennis Murphey, City of Kansas City, MO

- Case study 2: Central New York State
  Sam Gordon and Chris Carrick, Central New York Regional Planning and Development Board
  U.S. EPA Climate Showcase Community

- Question & Answer Session

- **Next webcast on Wednesday, Dec. 7, 2011:**
  Climate Action Plan Measurement and Evaluation
  To register, go to: https://www2.gotomeeting.com/register/961077066

GoTo Webinar Software Logistics

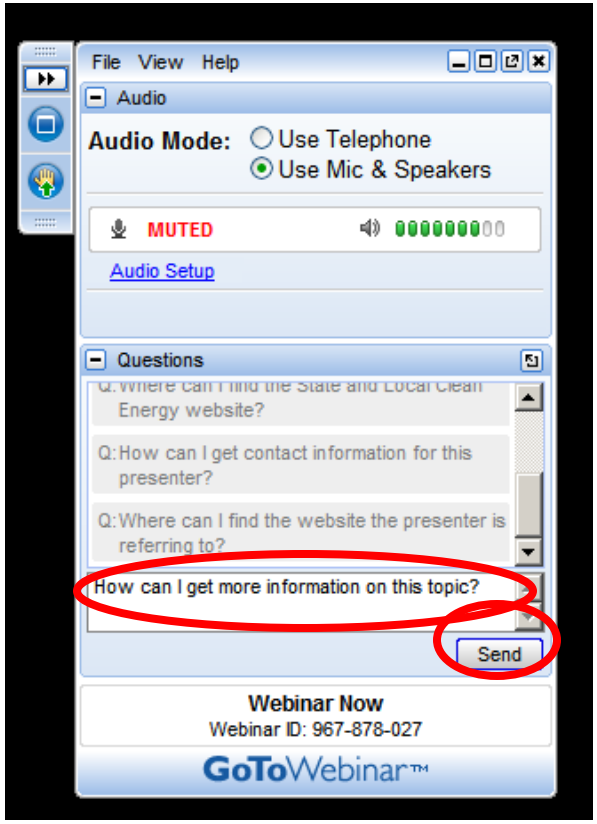
- You will be muted throughout this webcast to minimize background noise. You'll be able to submit questions and comments in writing.

- PDF and audio files of today's session will be made available for download in a few weeks at:
  - http://www.epa.gov/statelocalclimate/web-podcasts/index.html

- Throughout the webcast, if you have technical difficulties, please contact Lauren Pederson at:
  - lpederson@icfi.com

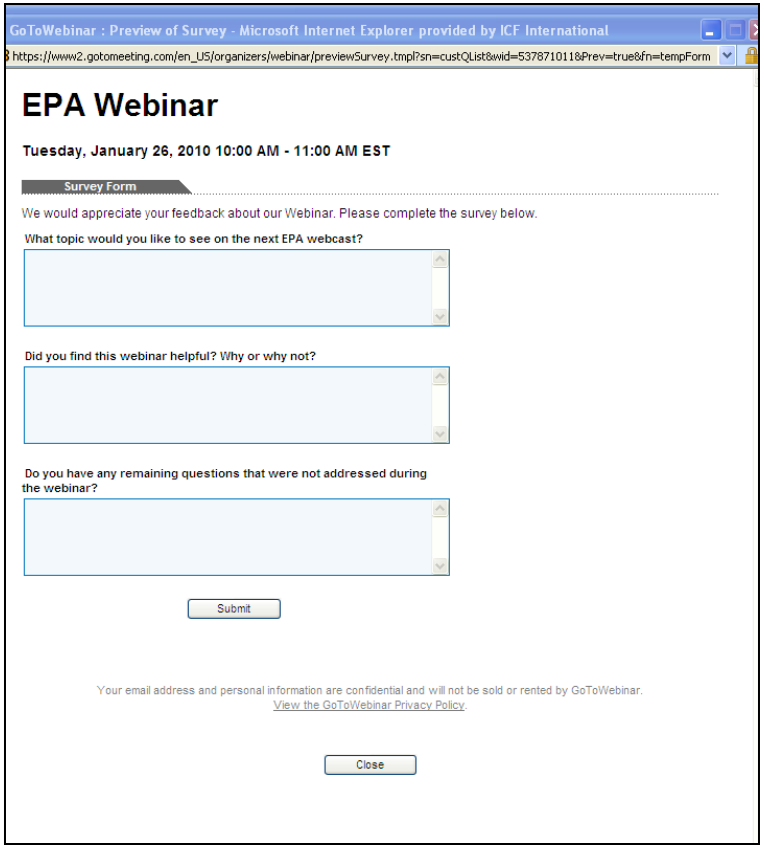
Questions (GoTo Meeting)

- 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 you would like to answer your question.



Optional Feedback (GoTo Meeting)

- A pop-up window will appear once you exit GoTo Meeting.
- Please take a few minutes to respond to the optional questions and provide your feedback.



U.S. EPA Local Climate and Energy Program: Goals

Help communities (e.g., tribal governments, regional governments, cities, counties, etc):

- Reduce greenhouse gas emissions while achieving sustainability goals
- Identify and work with expert partners and programs
- Understand, integrate, and maximize multiple benefits in planning and designing programs
  - Air quality improvements
  - Cost savings
  - Energy security and reliability
  - Economic development
  - Public health
  - Quality of life

Local Climate and Energy Programmatic Elements

1. **Climate Showcase Communities (CSC)**
   - 50 pilot communities; $20M
   - Create, support, and showcase replicable models of sustainable community action, www.epa.gov/statelocalclimate/local/showcase

2. **Peer Exchanges**
   - Annual CSC workshop
   - Monthly local climate and energy webcast series collaboration/co-marketing webinars with other EPA programs; www.epa.gov/statelocalclimate/web-podcasts/local-webcasts-by-date.html
   - Conference presentations
   - Newsletters, www.epa.gov/statelocalclimate/listservs

3. **Key Guidance and Tools**
   - Comprehensive Local Climate and Energy Website, www.epa.gov/statelocalclimate
   - *Local Government Climate and Energy Strategy Series,* www.epa.gov/statelocalclimate/resources/strategy-guides.html
   - Linkages to existing internal & external technical support programs

U.S EPA State and Local Climate and Energy Website

Local Climate and Energy Program

Provides governments with:

- ✓ Background on climate change topics
- ✓ Information to develop and implement climate mitigation policies and programs
- ✓ Links to tools, guidance documents, webcasts, podcasts, and other technical assistance resources
- ✓ Examples and case studies
- ✓ Developing a tribal element for the Website

http://www.epa.gov/statelocalclimate

Local Government Climate and Energy Strategy Series

- Series provides a straightforward overview of GHG emissions reduction strategies that local governments can use to achieve economic, environmental, social, and human health benefits

- Each document focuses on one approach to reducing GHG emissions by providing an overview of:
  - Benefits
  - Planning and design
  - Key stakeholders
  - Policy mechanisms
  - Implementation considerations
  - Costs and funding opportunities
  - Programs and resources that offer technical assistance
  - Examples and case studies

Documents in this series include:

Energy Efficiency
- ✓ **K-12 Schools**
- ✓ **Affordable Housing**
- ✓ Local Government Operations
- ✓ Energy-Efficient Product Procurement
- ✓ Combined Heat and Power
- — *Water and Wastewater Facilities*

Transportation
- ✓ **Transportation Control Measures**

Community Planning and Design
- ✓ **Smart Growth**
- — *Urban Heat Island Reduction*

Solid Waste and Materials Management
- — *Resource Conservation and Recovery*

Renewable Energy
- ✓ Green Power Procurement
- ✓ On-Site Renewable Energy Generation
- ✓ Landfill Gas to Energy

✓**Final** ✓Draft — *In Development*

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

Climate Action Planning

Poll Question: Your experience with climate action planning

What are the benefits of climate action planning?

- Generate stakeholder interest in and support of climate, sustainability, energy actions
- Identify actions that can help save money and protect people's health and environmental quality
- Lays out a well thought out consensus of actions for the community
- Supplies program ideas to local and regional NGOs and other stakeholders
- Offers a plan that can be used to secure funding opportunities

Where can I find examples of what other local governments have done?

- **Over 25 examples of completed local government plans are available at:**

http://www.epa.gov/statelocalclimate/local/local-examples/action-plans.html

- **Climate Showcase Communities working on climate action plans:**
  - The Small Cities Climate Action Partnership –El Cerrito, California
  - Building Local Capacity For Clean Energy And Climate Change Initiatives– Warwick, Rhode Island
  - Central New York Climate Change Innovation Program –Central New York

What are the steps of the climate action planning process?

Local Climate and Energy Program

Collaborate with stakeholders

Understand GHG emissions profile

Set goals

Identify, analyze and select options

Design program, implementation, and funding strategy

Implement program

Measure, track, and evaluate progress

Please Note:

- Ideal comprehensive process
- Local priorities determine how these steps are followed
- Consider program design, funding and measurement at the beginning of the planning process

When in the planning process should I consider multiple benefits?

Local Climate and Energy Program

Collaborate with stakeholders

Understand GHG emissions profile

Set goals

Identify, analyze and select options

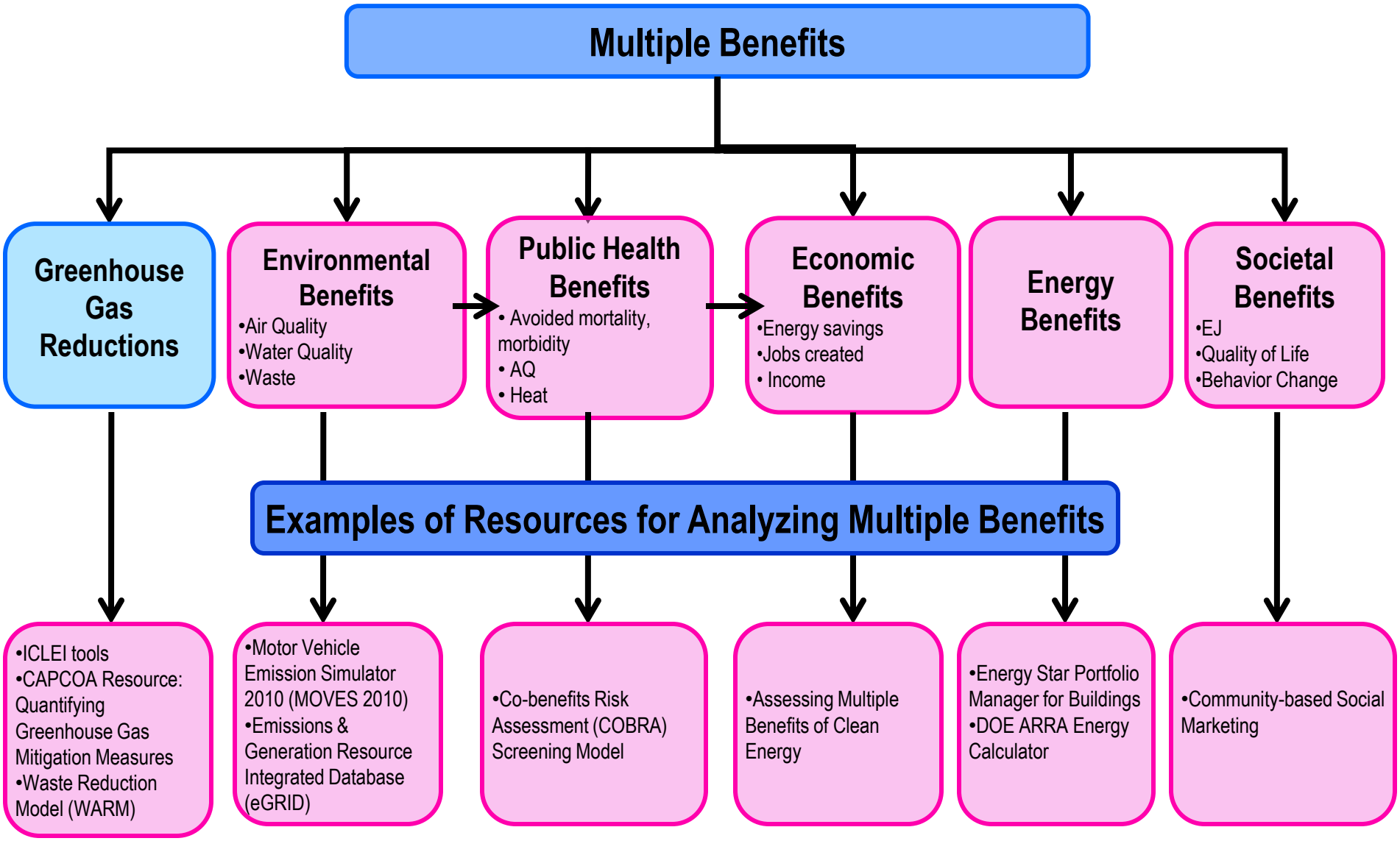
- Analyze multiple benefits

Design program, implementation, and funding strategy

Implement program

Measure, track and evaluate progress

What benefits can I capture?



Back to the Big Picture

Collaborate with stakeholders

Understand GHG emissions profile

Set goals

Identify, analyze and select options

Design program, implementation and finding strategy

Implement program

Measure, track, and evaluate progress

Local Climate and Energy Program

Next webcast (part 2 of 2):

Climate Action Plan Measurement and Evaluation

U.S. EPA Local Climate and Energy Program

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Mitigation Planning vs. Adaptation Planning

- Adaptation planning focuses on identifying climate impacts and conducting vulnerability and risk assessments
- Mitigation and adaptation measures can be the same, e.g., heat island reduction
  - Important to note: Adaptation strategies should not increase emissions, e.g., delsalination
- Webcast resources for adaptation planning, http://www.epa.gov/statelocalclimate/web-podcasts/local-webcasts-by-date.html
  - Part One: Climate Impacts and Risk Communication (November 2010)
  - Part Two: Adaptation Planning and Implementation (December 2010)

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APPENDIX:
Sample Resources Supporting Analysis of Multiple Benefits

APPENDIX – Analysis of Multiple Benefits Links to Sample Resources

- **Greenhouse Gas Savings**
  - Waste Reduction Model (WARM), http://www.epa.gov/climatechange/wycd/waste/calculators/Warm_home.html
  - *ICLEI Tools, http://www.icleiusa.org/climate_and_energy/climate_mitigation_guidance
  - *California Air Pollution Control Officers Association Resources, http://www.capcoa.org/wp-content/uploads/2010/11/CAPCOA-Quantification-Report-9-14-Final.pdf
- **Environmental Benefits**
  - Motor Vehicle Emission Simulator 2010 (MOVES 2010), http://www.epa.gov/otaq/models/moves/index.htm
  - Emissions & Generation Resource Integrated Database (eGRID), http://www.epa.gov/cleanenergy/energy-resources/egrid/index.html
- **Public Health Benefits**
  - Co-benefits Risk Assessment (COBRA) Screening Model, http://www.epa.gov/slclimat/resources/cobra.html
- **Economic Benefits**
  - Assessing Multiple Benefits of Clean Energy, http://www.epa.gov/statelocalclimate/resources/benefits.html
- **Energy Benefits**
  - Energy Star Portfolio Manager for Buildings, http://www.energystar.gov/index.cfm?c=evaluate_performance.bus_portfoliomanager
  - DOE ARRA Energy Calculator, http://www1.eere.energy.gov/wip/guidance.html
- **Societal Benefits**
  - ***** BOOK: Fostering Sustainable Behavior: An Introduction to Community-Based Social Marketing. Doug McKenzie-Mohr and William Smith, 1999, New Society Publishers

*Resources marked with "*****" are not EPA resources therefore may be available for a fee