

U.S. EPA's State Climate and Energy Technical Forum & Local Climate and Energy Webcast Series

Present:

Climate Change Adaptation for State and Local Governments Overcoming the Uncertainty Barrier to Adaptation

Telephone call-in number: (877) 506-7699 / Code: 27177142#

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



**State and Local
Climate and Energy Program**





**State and Local
Climate and Energy Program**

Climate Change Adaptation for State and Local Governments Overcoming the Uncertainty Barrier to Adaptation

U.S. EPA State and Local Climate and Energy Program

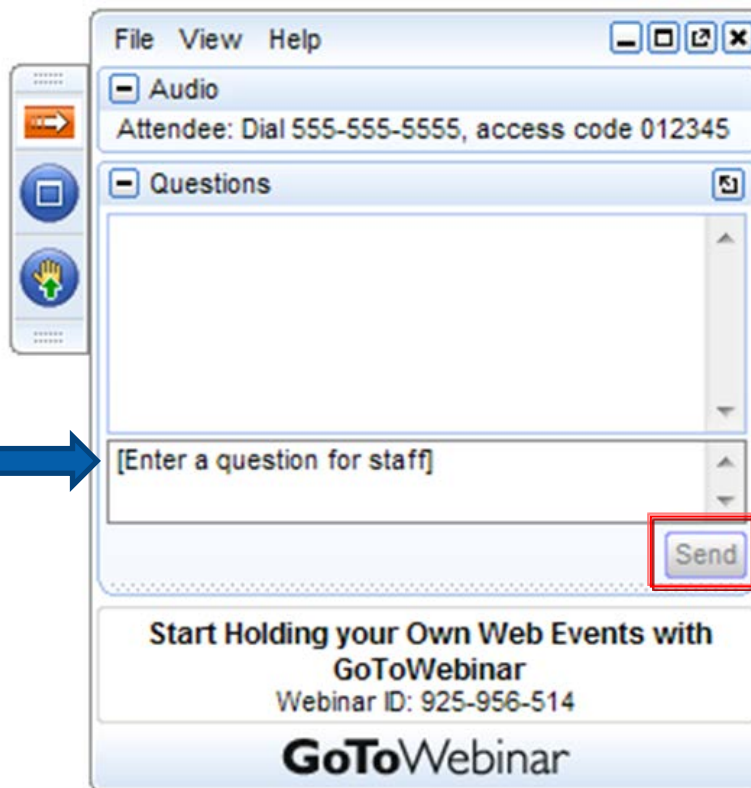
April 17, 2013

1:00 PM ET – 2:30 PM ET

Telephone call-in number: (877) 506-7699 / Code: 27177142#

How to Participate Today

Open and close
your control
panel



Audio is only
available by
telephone

Participants are on mute
Type in your questions
and indicate the
speakers



Hit "send" to
submit your
questions

If you experience technical difficulties, please contact Wendy Jaglom at: Wendy.Jaglom@icfi.com

Adaptation Webcast Mini-Series



Climate Change Adaptation for State and Local Governments Webcast Mini-Series

Achieving Buy-In for Adaptation

March 21, 2013

Overcoming the Uncertainty Barrier to Adaptation

April 17, 2013 – TODAY!

Attracting Funding for Adaptation

May 1, 2013, 1:00-2:30 PM (EST)

Register at: www2.gotomeeting.com/register/869045530

- Files and audio recordings of all webcasts will be available at: www.epa.gov/statelocalclimate/web-podcasts/local-webcasts.html#adap1

Webcast Agenda



- **Welcome and Introduction**
Emma Zinsmeister, U.S. EPA State and Local Climate and Energy Program
- **Dealing with Climate Model Uncertainty in Adaptation Planning**
Chris Weaver, U.S. EPA Office of Research & Development
- **A Threshold Approach to Climate Change Vulnerability Assessment**
Anne Choate, ICF International
- **Climate Change Adaptation in Philadelphia**
Scott Schwarz & Alex Dews, Philadelphia Mayor's Office of Sustainability
- **A Regional Response to Certain Change: Southeast Florida Regional Climate Change Compact**
Debbie Griner, Miami-Dade County, Florida
- **Joint Panel Session**
- **Q and A Session**
- **Optional Feedback**

Brief Background



The climate is changing at an increasingly rapid rate.

MITIGATION

What is it? Efforts to slow the rate of change, including reducing GHG emissions.

Why is it important? Reduce the magnitude of the future impacts of climate change.

What does it look like? Energy efficiency, renewable energy, materials management, community design, transportation, etc.

ADAPTATION

What is it? Efforts to moderate harm and/or capitalize on opportunities presented by actual or expected changes in climate.

Why is it important? The past is no longer a good predictor of the future. To improve the success of our investments, future conditions should be considered.

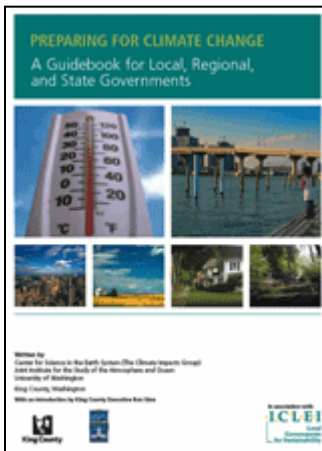
What does it look like? Adjusting building and development practices, transportation infrastructure, stormwater systems, energy systems, health programs, natural resource management, agricultural practices, emergency services, food security, etc.

Example Adaptation Planning Process

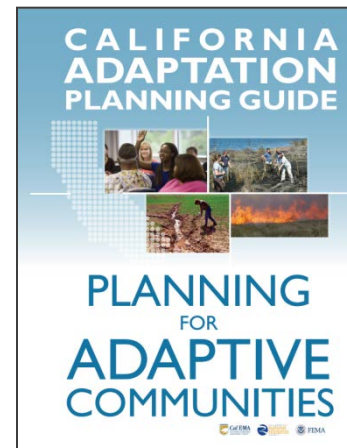
1. Build and maintain support to prepare for climate change
2. Scope projected climate impacts on programs and planning areas
3. Assess vulnerability and risk
4. Set preparedness goals and actions
5. Implement your plan and evaluate effectiveness

March 21st
Webcast

Today



Preparing for Climate Change: A Guidebook for Local, Regional, and State Governments. By the Climate Impacts Group; King County, Washington; and ICLEI-Local Governments for Sustainability USA.
<http://www.cses.washington.edu/db/pdf/snoveretalqb574.pdf>



California Climate Adaptation Planning Guide By California Emergency Management Agency and California Natural Resources Agency with funding from FEMA.
http://resources.ca.gov/climate_adaptation/local_government/adaptation_policy_guide.html

Appendix of Resources & Contact Information

Helping state and local governments reduce GHGs

- We use co-benefits strategies to achieve GHG and policy goals
 - Environmental, energy, economic, health benefits
 - Example: EE/RE/CHP can lower costs to comply with air standards
- We foster inter-agency collaboration
 - States – air offices, energy offices, PUCs
 - Locals – planning, environmental services, energy and many other related departments
- We help state and local governments make the case for action
 - Best practice-based policy approaches
 - Analytical tools and information
 - Communications resources including peer exchanges, lessons learned
- **All our resources are available at:**

www.epa.gov/statelocalclimate



U.S. EPA Resources



U.S. EPA Climate Change Website

- Accessible scientific information about the causes and impacts of climate change www.epa.gov/climatechange
- Specific information about the impacts and adaptation options by region and sector for the U.S. www.epa.gov/climatechange/impacts-adaptation/

U.S. EPA Climate Change Indicators Report

- EPA report on set of 26 indicators used to track the signs of climate change www.epa.gov/climatechange/science/indicators/index.html

U.S. EPA State and Local Climate and Energy Program Website

- Links to state adaptation plans, resources, and tools www.epa.gov/statelocalclimate/state/topics/impacts-adaption.html
- 2010-2011 climate adaptation webcasts on impacts, planning frameworks, and federal resources <http://www.epa.gov/statelocalclimate/web-podcasts/local-webcasts.html#adap1>

Other U.S. EPA Programs

- Climate Ready Estuaries water.epa.gov/type/oceb/cre/index.cfm
- Climate Ready Water Utilities water.epa.gov/infrastructure/watersecurity/climate/index.cfm
- Urban Heat Island Reduction Program www.epa.gov/heatisland

Additional Resources

CAKE – Climate Adaptation Knowledge Exchange

- Case studies, virtual library, online community www.cakex.org

C2ES Adaptation Resources

- Impacts analysis, legislative tracking, example adaptation plans www.c2es.org/science-impacts/adaptation

Georgetown Climate Center

- Best practices, legal analysis, legislative tracking, example adaptation plans www.georgetownclimate.org

ICLEI – Climate Adaptation Guidance

- Free adaptation resources, adaptation training, ADAPT Tool, regional impacts [www.icleiusa.org/climate_and_energy/Climate Adaptation Guidance](http://www.icleiusa.org/climate_and_energy/Climate_Adaptation_Guidance)

U.S. Global Change Research Program

- National Climate Assessment, data, reports www.globalchange.gov/

Contact Information



Emma Zinsmeister

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U.S. Environmental Protection Agency

State and Local Climate and Energy Program

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