



**State Energy Policy and Technology Outlook Conference  
February 2, 2010, Washington, DC**

# **ARRA State & Local Energy Assurance Planning & Implementation**

**Alice Lippert**

Senior Technical Advisor

Office of Electricity Delivery and Energy Reliability



**U.S. DEPARTMENT OF  
ENERGY**

# State & Local Energy Assurance Initiative

**Overview**

**Resources**

**Needs of States & Localities**

**Implementation Strategy**

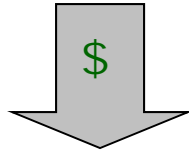


# State & Local Energy Assurance Program

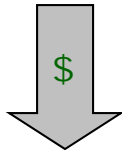


# DOE/OE Recovery Act Funding

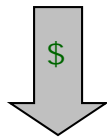
American Recovery and Reinvestment Act (ARRA)



Department of Energy



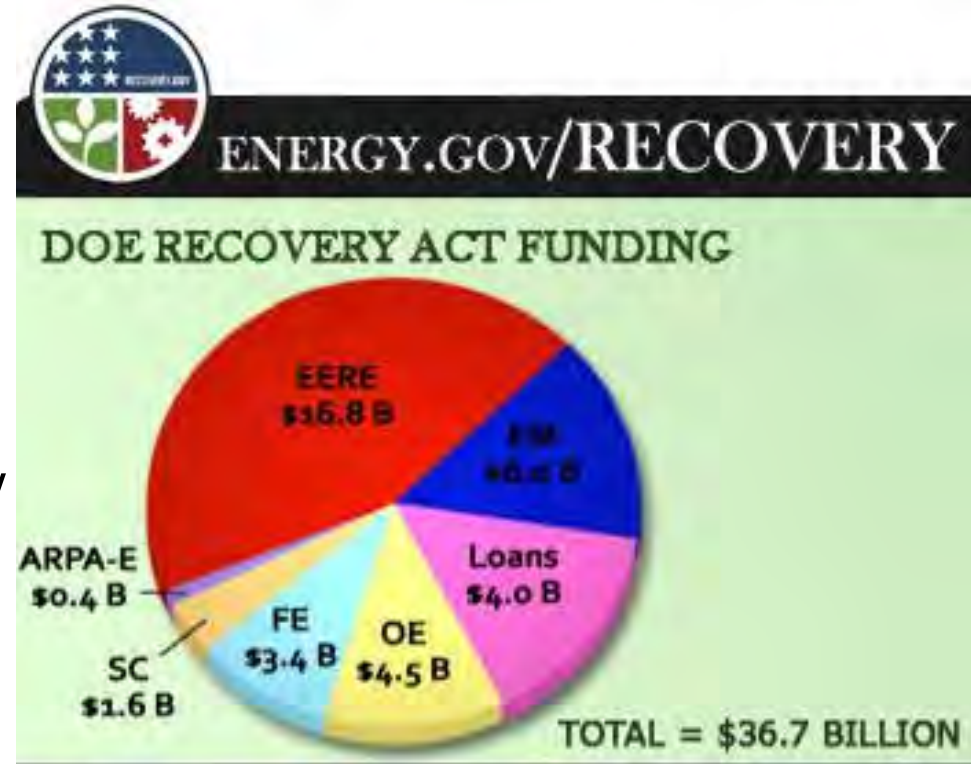
Office of Electricity Delivery and Energy Reliability (OE)



Infrastructure Security and Energy Restoration (ISER)



States & Localities



# State & Local Energy Assurance Funding

Secretary Chu Announced State ARRA Grantees August 12, 2009

Program Office	Project	Auth (\$K)	Award (\$K)	Spent (\$K)
▼ Electricity Delivery and Energy Reliability		4,495,152	2,599,852	16,914
	Smart Grid Investment Grant Program (EISA 1306)	3,470,700	2,177,630	1,751
	Smart Grid Regional and Energy Storage Demonstration Project (EISA 1304)	700,000	321,861	2,420
	Workforce Development	100,000	700	0
	Interconnection Transmission Planning and Analysis	80,000	0	0
	State Assistance on Electricity Policies	50,000	43,420	266
	Enhancing State and Local Governments Energy Assurance	55,000	43,387	197

Available at [www.energy.gov/recovery](http://www.energy.gov/recovery)

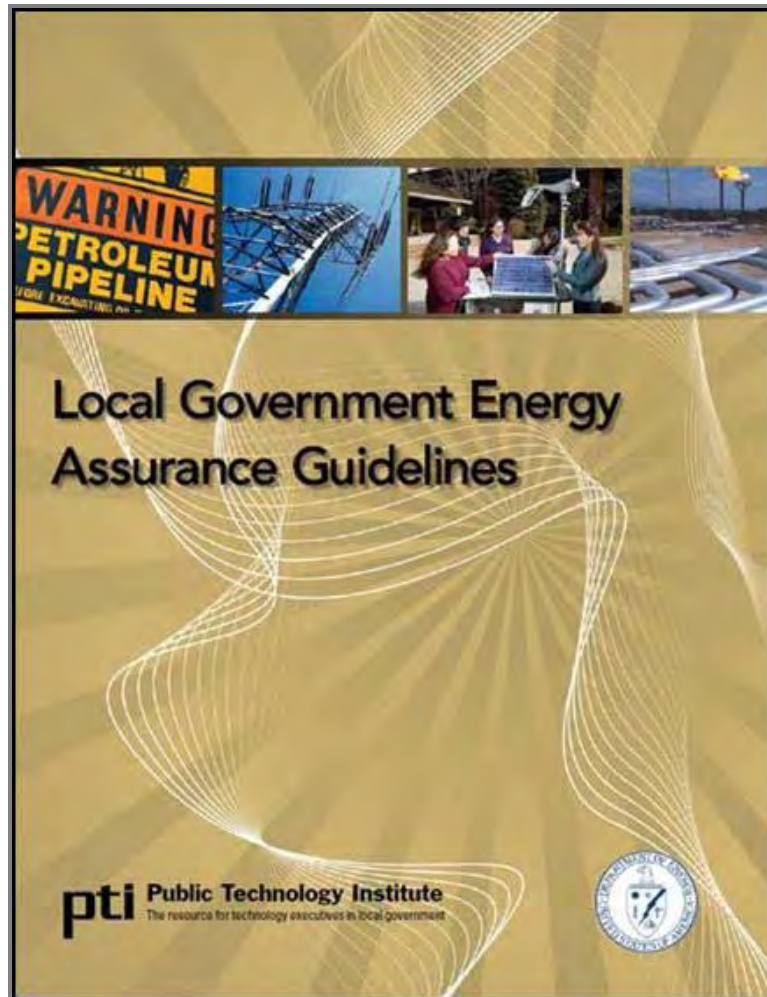
# EAP Initiative Objectives

- **Fund jobs to enable development and implementation of effective, energy assurance and resiliency plans**
- **Develop in-house expertise on infrastructure interdependencies and related vulnerabilities, including areas for improvement to lessen the economic and health and safety impacts of energy disruptions, cyber security, energy supply systems, energy data analysis, and communications**
- **Develop process or mechanism for tracking the duration, response, and restoration and recovery time of energy supply disruption events**
- **Develop new, or refine existing plans, and incorporate these plans into broader emergency management and homeland security activities**

# EAP Initiative Objectives (con't.)

- **Revise current policies, procedures, and practices to reflect the Energy Assurance Plans**
- **Train appropriate personnel on energy infrastructure and supply systems and the content and execution of energy assurance plans**
- **Conduct energy emergency exercises to evaluate the effectiveness of the energy assurance plans**
- **Build organizational relationships and identify responsibilities within Local and State government, the private sector, and the region that support public/private partnerships**
- **Integrate of new energy portfolios (renewables, biofuels, etc.) and new applications, such as Smart Grid technology, into energy assurance and emergency preparedness plans**

# Resources Readily Available



**NASEO** National  
Association  
of State Energy Officials  
ENERGY'S WASHINGTON VOICE



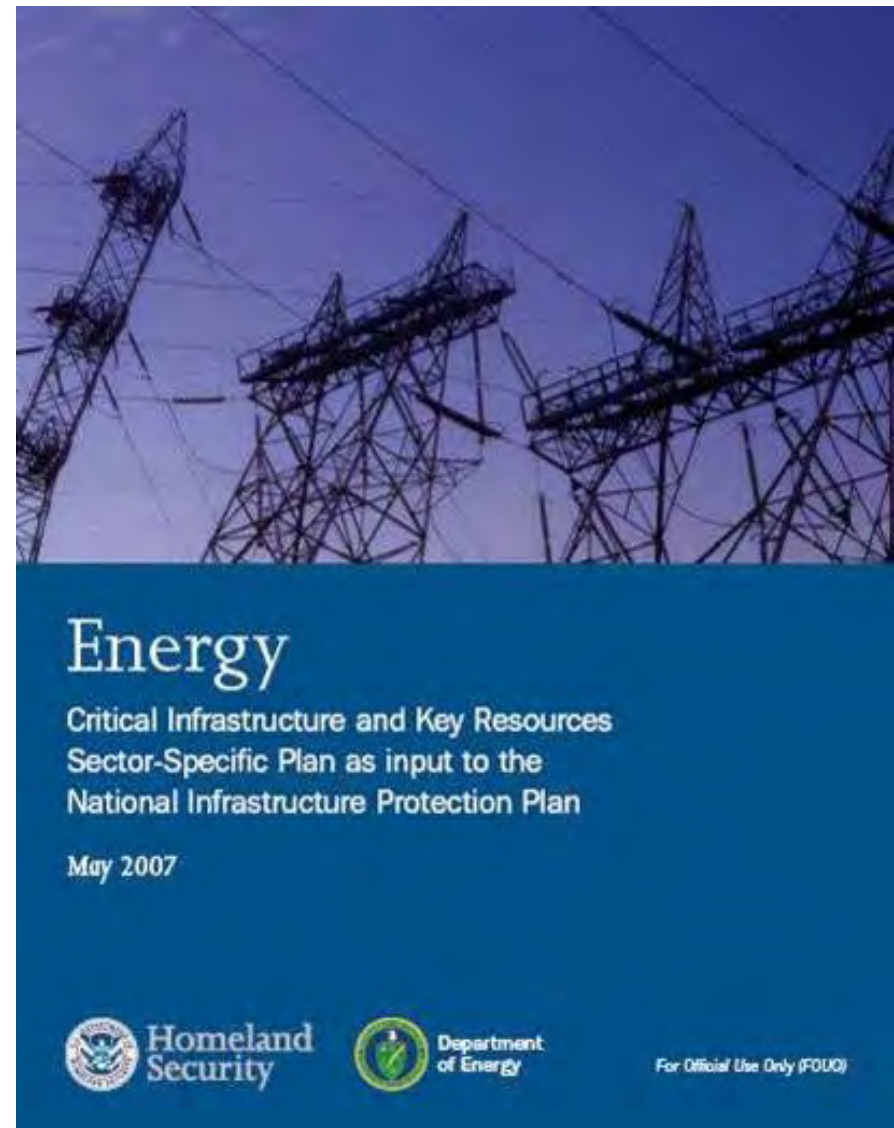
## State Energy Assurance Guidelines

Version 3.1  
December 2009



# Energy Sector Specific Plan

- Approved May 2007
- Collaborative effort between the Federal, state, local government and energy sector participants
- Available on [www.oenergy.gov](http://www.oenergy.gov)
- Official Use Only & Redacted Public versions
- Next update scheduled for early 2010



# ARRA EAP Bulletin

## Quarterly Energy Assurance Planning Bulletin

Provides information on:

- Energy Assurance Planning Resources
- Upcoming Events
- Training Opportunities
- Deliverable Dates



 **The ARRA EAP**  
*Energy Assurance Planning Bulletin*

JANUARY 4, 2010 THE AMERICAN RECOVERY AND REINVESTMENT ACT VOLUME 1, NUMBER 1

**Welcome to the first issue** of the quarterly *Energy Assurance Planning Bulletin*, a service of the U.S. Department of Energy, Office of Electricity Delivery and Energy Reliability (DOE/OE). The *ARRA EAP* will provide information on energy assurance planning resources, upcoming events, training opportunities, and important grant deliverable dates.

**Need to Know**  
*State Energy Assurance Guidelines Version 3.1* (December 2009) is now available on the National Association of State Energy Officials (NASEO) website at: [www.naseo.org/eaguidelines](http://www.naseo.org/eaguidelines). The new guidelines have a number of updates and additions, including improved appendices and an expanded discussion of cyber security. Grantees are urged to download and review the new version, which is also an excellent source of information for staff training.

Under the ARRA grant, the next deliverable for States is 4.0, the "Energy Supply Disruption Tracking Process," due in mid-August 2010. *Appendix D: Monitoring Energy Supplies of the State Energy Assurance Guidelines, Version 3.1* provides a solid foundation for this task, which can then be adapted to the specific needs and energy profiles of each State. For information on a tracking process workshop, see [Upcoming Events](#).

**Action Items**

**DUE: 01/10/10**  
*Recovery Act Report* must be filed with <https://www.federalreporting.gov>.

**DUE: 01/15/10**  
*Updates for existing Energy Emergency Assurance Coordinator (EEAC) contacts* are needed. All DOE/OE grantees must confirm the names and contact information of individuals and alternates designated to respond to petroleum, natural gas and electricity disruption issues. These lists are an important element of the Energy Assurance Supply Disruption Tracking process. Once the list is updated, a webinar will be scheduled for anyone new to the EEAC program. All corrections to the existing list should be forwarded to: [ISERAdmin@oe.netl.doe.gov](mailto:ISERAdmin@oe.netl.doe.gov).

**DUE: 01/15/10**  
*Contact information for participants in the State Energy Assurance Program* funded by the DOE federal grant is also needed. While EEAC contacts are the individuals responsible for "responding to events," this second list will identify those directly involved in carrying out the *planning, training and exercises required by the DOE ARRA grant*. These may or may not be the same contacts on the EEAC list. This list is intended to identify people taking the lead in carrying out the work of the grant, not those who are handling grant administration only. If a State or locality has assigned different tasks to multiple agencies, it should identify points of contact in each relevant agency and associated areas of responsibility. Information should include name, title, agency name, mailing address, phone, and e-mail address. All contact information should be sent to: [ISERAdmin@oe.netl.doe.gov](mailto:ISERAdmin@oe.netl.doe.gov).

**DUE: 01/30/10**  
*Quarterly Report* must be filed with the DOE Energy Efficiency and Renewable Energy (EERE) Project Management Center. <https://www.eere-pmc.energy.gov/SubmitReports.aspx>.

**Need to Know**  
State Energy Assurance Guidelines Version 3.1

**Action Items**  
Update Contacts  
Recovery Act Report  
Quarterly Report

**Training**  
Training Opportunities

**Upcoming Events**  
February 2010  
National Electricity Forum  
April 2010 Summer  
Energy Outlook and  
Energy Data  
Workshop

**Other Useful Links and Information**  
Smart Grid Award Recipients  
DHS Crafts Cyber Preparedness Plan  
State Legislative Action  
Smart Grid Info  
OE Website

**Guidance from NASEO**  
Know Your State's Energy Profile  
Get to Know the Key Government and Industry Contacts

*Alice Lippert, EAP Program Manager*  
[Alice.Lippert@hq.doe.gov](mailto:Alice.Lippert@hq.doe.gov)

# Energy Emergency Assurance Coordinators

Logged in as: test eeac 4:40:03 PM <a href="#">Logout</a>	<a href="#">Home</a> <b>EEAC (States)</b> The EEAC system is a restricted-access communications network for key State-level personnel to exchange information and coordinate with each other and the Department of Energy during energy emergencies.	<p>Welcome to the Energy Emergency Assurance Coordinators (EEAC) System Web Site!</p> <p>Sponsored by the National Association of State Energy Officials (NASEO) and the National Association of Regulatory Utility Commissioners (NARUC) in partnership with the Office of Electricity Delivery and Energy Reliability / Infrastructure Security and Energy Restoration Division of the U.S. Department of Energy.</p> <p>For <b>urgent issues</b> related to an energy emergency contact the DOE Emergency Operations Center at (202) 586-8100.</p>
<a href="#">EEAC (States)</a>	<a href="#">EEAC Member List</a> The Member List allows EEAC members to search and contact other EEAC members. The list can be filtered a number of different ways.	
<a href="#">Orientation &amp; Exercises</a>	<a href="#">EEAC Listservs</a> The Listservs allow EEAC members to generate e-mail messages to all EEAC members or only to members in selected FEMA regions.	
<a href="#">Infrastructure Analysis</a>	<a href="#">EEAC Information Resources</a> Information resources provide members with important documents and web site links. Please note that some documents are for official use only.	
<a href="#">Outages &amp; Curtailments</a>		
<a href="#">Energy Security Blog</a>		
<a href="#">Security Awareness Bulletin Board</a>		
<a href="#">GIS Data</a>		
<a href="#">Change Password</a>		
<a href="#">Edit Profile</a>		

## Interactive EEAC System:

Cooperative effort among:  
**NASEO, NARUC, NCSL, NGA & OE**

Secure community of state and local government staff with access to information on energy supply, demand, pricing, and infrastructure

Several communications tools for exchanging information, including the EEAC listservs, the EEAC member list, and the bulletin board

# State & Locality Contact Persons

*During an energy emergency, contact information is crucial for recovery efforts*



**Under the ARRA State & Local Energy Assurance Grant Program:**

Updates to existing EEAC contacts have been received

Contact information for participants in the State Energy Assurance Program funded by DOE ARRA federal grant money have been received

# Implementation Strategy

## ARRA State & Local Government Energy Assurance Implementation Strategy, Tasks & Activities

**Task 1.** Gaining understanding of State and Local needs to meet ARRA requirements.

**Task 2.** Education and Training on energy assurance and resiliency and priority issues, and on how to develop new, or refine existing plans.

**Task 3.** Assistance in building collaborative partnerships to foster energy assurance.

**Task 4.** Provide tools, templates, and resource materials to help meet ARRA requirements.

**Task 5.** Document energy assurance lessons learned from exercises, incidents, and ARRA related activities, and promote/facilitate information sharing and coordination, exchanging energy assurance and resiliency best practices.

**Task 6.** Work with States and Localities to develop a uniform, comprehensive energy assurance and resilience approach.

# Implementation Strategy: Task 1

**Task 1.** Gaining understanding of State and Local needs to meet ARRA requirements.

Activity 1.1. Develop/conduct assessment of ARRA energy assurance guidance needs (topics for workshops, tools, templates, background papers, Web-based resources, etc.)

Activity 1.2. Create a State/Local Energy Assurance Planning mechanism for receiving inputs and providing feedback on requirements, tools and templates for usability, etc.

Activity 1.3. Hold quarterly conference calls with regional State grantees.

Activity 1.4. Hold quarterly conference calls with regional Local grantees.

Activity 1.5. Solicit, collect, and utilize information on State and Local needs gleaned from conferences and meetings that focus on energy issues.

# Implementation Strategy: Task 2

**Task 2.** Education and Training on energy assurance and resiliency and priority issues, and on how to develop new, or refine existing plans.

Activity 2.1. Conduct energy assurance workshops for combined State and Local grant recipients.

Activity 2.2. Conduct educational webinars on a variety of topics.

Activity 2.3. Produce background papers on priority energy assurance topics, e.g., energy infrastructure “primer,” interdependencies, cyber security and resilience, building public-private partnerships, etc.

Activity 2.4. Conduct an Energy Assurance Seminar for State Legislators from every region, example: the Northeast, Southeast, Southwest, or Pacific Northwest.

Activity 2.5. Conduct a National Energy Assurance Conference with all State and local grant recipients and other interested jurisdictions and organizations to highlight Energy Assurance Program results at mid-point in the program.

# Implementation Strategy: Task 3

**Task 3.** Assistance in building collaborative partnerships to foster energy assurance.

Activity 3.1. Produce brochure on “partnering for Energy Assurance and Resiliency” for private sector, and Local and State officials.

Activity 3.2. Conduct Educational Webinars

Activity 3.3. Utilize DOE-sponsored EA Planning Program workshops and other activities to promote the value of multi-jurisdiction, cross-sector collaboration to support energy assurance planning and implementation, and in response and recovery from energy disruptions.

Activity 3.4. Produce and disseminate a quarterly EAP Bulletin.



# Implementation Strategy: Task 4

**Task 4.** Provide tools, templates, and resource materials to help meet ARRA requirements.

Activity 4.1. Design a Web-based Energy Assurance Planning Resource with input from grant recipients to ensure the site is used by State and Local officials.

Activity 4.2. Produce a State and a Local Energy Assurance Plan template with criteria for what needs to be included.

Activity 4.3. Produce an infrastructure interdependencies identification template for identifying energy-related.

Activity 4.4. Produce a template/suggested criteria for collecting energy supply disruption information.

Activity 4.5. Produce a template for Energy Assurance Program Metrics.

Activity 4.6. Develop an automated version of Tabletop-in-a-box.

Activity 4.7. Collect information on Energy Assurance and Resiliency issues and best practices for incorporation into the secure Website.

# Implementation Strategy: Task 5

**Task 5.** Document energy assurance lessons learned from exercises, incidents, and ARRA related activities, and promote/facilitate information sharing and coordination, exchanging energy assurance and resiliency best practices.

Activity 5.1. Develop and continuously update a Lesson-Learned compendium that includes examples of good practices and actions taken to address energy emergencies; post on Energy Assurance Program Website.

Activity 5.2. Develop and maintain resource on DOE Energy Assurance Program Website that provides information on energy assurance and resiliency best practices and solutions that includes sponsor/user point-of-contact and contact information.

Activity 5.3. Develop and distribute as appropriate list of ARRA grantees and other key points-of-contact for energy assurance at the State and Local levels with contact information.

# Implementation Strategy: Task 6

**Task 6.** Work with States and Localities to develop a uniform, comprehensive, energy assurance and resilience approach.

***Energy Sector Vision:*** *The energy sector envisions a robust, resilient energy infrastructure in which continuity of business and services are maintained through secure and reliable information sharing, effective risk management programs, coordinated response capabilities, and trusted relationships between public and private security partners at all levels of industry and government.*

# Key Dates & Opportunities

- **NARUC Winter Committee Meetings, February 14 - 17, 2010**  
*Washington, DC*
- **NEMA 2010 Mid-Year Conference, March 6-10, 2010**  
*Alexandria, Virginia*
- **PTI Annual Meeting for Local Governments, March 24-25, 2010,**  
*Washington, DC*
- **Summer Energy Outlook Conference & Energy Data Workshop, April 20-21, 2010**  
*Denver, Colorado*
- **NARUC Summer Committee Meetings, July 18 - 21, 2010**  
*Sacramento, California*
- **52nd Annual Regulatory Studies Program, August 2 - 13, 2010**  
*East Lansing, Michigan*
- **NASEO Annual Meeting, September 28-October 1, 2010**  
*Boston, Massachusetts*
- **NEMA Annual Conference, October 2010**  
*Little Rock, Arkansas*

# Energy Data & Security Committee Meeting

**Today !**

- **Discussion session on State needs**
  - Training needs & technical assistance
  - Supply disruption tracking process
  - Interstate & Intra-state exercises, etc.
- **Brief reports by State energy officials on status of State/Local Energy Assurance Plans**

# Thank You

## Questions ?

For public information visit:

<http://www.oe.energy.gov/organization.htm>

**Alice Lippert**

**State and Local Government Energy Assurance Program  
Office of Electricity Delivery and Energy Reliability  
U.S. Department of Energy**

**202-586-9600**

[alice.lippert@hq.doe.gov](mailto:alice.lippert@hq.doe.gov)