



The ARRA EAP

Energy Assurance Planning Bulletin

APRIL 1, 2010

THE AMERICAN RECOVERY AND REINVESTMENT ACT

VOLUME 1, NUMBER 2

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Know the Geography and Demographics
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OE Website

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

Welcome to the second 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 Bulletin* provides information on energy assurance planning resources, upcoming events, training opportunities, and important grant deliverable dates.

Need to Know

Local Energy Assurance Planning (LEAP) Grant Recipients were identified by DOE on February 19. The award provides \$8 million in ARRA funds to 43 cities and towns in order to help local governments improve their ability to "recover and restore power quickly following any energy disruption." A list of LEAP recipients is available at:

<http://www.oe.energy.gov/recovery/1288.htm>.

Upcoming Events

2010 Energy Conference: Short-Term Stresses, Long-Term Change

April 6 - 7, 2010, Washington, DC

The Energy Information Administration (EIA) and Johns Hopkins University School of Advanced International Studies will host a conference covering short-term energy prices, climate policy, and Smart Grid. For more information visit:

<http://www.eia.doe.gov/conference/2010/>

Summer Energy Outlook Conference and Energy Data and Assurance Planning Workshop

April 20-21, 2010, Denver, Colorado

Sponsored by DOE/OE, the National Association of State Energy Officials (NASEO), and the National Conference of State Legislatures (NCSL), the conference will showcase EIA's 2010 Short-Term Energy Outlook, including presentations by global supply experts on oil, natural gas, electricity and renewables, on April 20.

The Energy Data and Assurance Planning Workshop

April 20-21, will present a series of energy-based scenarios to show State and local government officials how to use EIA

energy data. Participants will receive practical guidance on State and local energy assurance guidelines, and receive ideas on how to develop a mechanism for tracking energy supply events and disruptions. For more information, visit:

<http://www.naseo.org/events/summer/index.html>

Action Items

DUE: 04/10/10

ARRA 1512 Reports for the quarter ending March 31, 2010 must be filed with <https://www.federalreporting.gov>. Prime recipients are responsible for ensuring the compliance of all sub-recipients and vendors.

DUE: 04/30/10

Quarterly Progress and Financial Status Reports for the quarter ending March 31, 2010 must be filed with the DOE Energy Efficiency and Renewable Energy (EERE) Project Management Center at <https://www.eere-pmc.energy.gov/SubmitReports.aspx>.

REMINDERS:

Project Management Plans and **Workforce Development Plans** must be kept current. Substantial changes to a project may warrant an updated plan.

EEAC and EAP contact information updates

are still needed from many States. 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.

Training Opportunities

Geographic Information Systems (GIS) are a great tool for State Grant recipients – particularly for fulfilling Task 4.0 of the ARRA grant – but they can be expensive. Certain systems may even claim the majority of an award's funding. Before engaging a costly system, States should examine all of the available options; some may be available for low- or no-cost. This quarter, DOE and NASEO will offer a series of webinars on various GIS systems and how to choose the right one. Details will be forthcoming.

NASEO and DOE/OE will sponsor an initial round of regional energy assurance conference calls with States. The purpose of these calls will be to foster regional coordination and the sharing of best practices. Should the first round of calls be of value to the States, they will continue on a quarterly basis. Details will be emailed to State planners.

Other Useful Information and Links

The Federal Emergency Management Agency's Lessons Learned Information Sharing website offers best practices for "Public-Private Partnerships for Emergency Preparedness." This website emphasizes the importance of establishing public-private partnerships to pool resources and information, and to coordinate response and recovery efforts. It also provides links to examples of public-private partnerships already in place. To access the website, it is necessary to register as an emergency response professional or homeland security official. Visit: <https://www.llis.dhs.gov/docdetails/details.do?contentID=15633>

The National Institute of Standards & Technology released Draft Two of its *Smart Grid Cyber Security Strategy and Requirements* in February. The document is written for those who address cyber security for Smart Grid systems, including vendors, utilities, system operators, and network specialists. It addresses the three primary cyber security objectives and how they play into 18 types of security-related Smart Grid applications. The new draft of NISTIR 7628 can be found at: http://csrc.nist.gov/publications/drafts/nistir-7628/draft-nistir-7628_2nd-public-draft.pdf.

News from the States

Ethanol Incentive bill signed into law by South Dakota Governor Mike Rounds. The new law establishes an incentive program to encourage the installation of ethanol blender pumps by creating a \$1 million grant program, funded by ARRA. All grants must be issued between April 1 and May 28, 2010, with none exceeding \$10,000. For more information, visit: <http://www.state.sd.us/News/showDoc.aspx?i=11772>.

The State Energy Policy and Technology Outlook Conference hosted by NASEO and ASERTTI on February 1-5 in Washington, DC has posted its agenda and presentations online at: <http://www.naseo.org/events/energyoutlook/2010/agenda.htm>.

Locality Notes

The Community and Regional Resilience Institute (CARRI) has launched a new blog on its website. Several features will keep readers up-to-date on community resilience activities nationwide. For varied perspectives on resilience, multiple authors, including CARRI director Warren Edwards, contribute. The blog also provides links to recent publications on the subject of resilience, and a Blogroll that links to other blogs focused on community resilience. Visit: <http://www.resilientus.org/>.

Collaborative Efforts by Federal, State, and Local Governments to Solve a Real World Problem was a session on the importance of local governments in planning for energy emergencies. This and other presentations made at the Public Technology Institute's 2010 Technology Solutions and Innovations Conference on March 24 in Washington, DC are available online at: <http://www.pti.org>.

Guidance from NASEO

The National Association of State Energy Officials (NASEO) has a list of 10 helpful guidelines for States and localities rewriting their energy assurance plans. The *ARRA EAP* is highlighting two of these guidelines each quarter over the course of five issues. What follows is the second installment of this series. For more information contact Jeff Pillon at jpillon@naseo.org.

Know the Geography and Demographics of the State's Energy Infrastructure

Geography is an important component of emergency preparedness. Most States have distinct regions with parochial supply requirements. To craft an appropriate emergency response plan, it is necessary to understand these supply requirements. Effective planners will know:

- The infrastructure for energy imports, supply, and distribution
- The operation of the regional energy supply network
- The sources and transportation modes of energy imported into the State
 - Pipelines
 - Electric transmission facilities
 - Trucking
 - Rail
 - Ports
- The electric utilities and gas distribution company service areas
- The location of all major petroleum import terminals supplying the State
- The routes of the State's major highways
- The distribution of all major fuel retail outlets

Demographics addresses population and density. Knowledge of the State's demographics will facilitate an understanding of the location and number of people who might be affected by a given infrastructure failure. Not only do planners need to be able to predict how many customers might lose power, they also need to know how many people reside in close proximity to energy infrastructure, and might be exposed to fire, explosion, toppling, electrocution, or other infrastructure hazards. This information will help answer questions about evacuations, public reaction, and interdependencies with other facilities. So while it is important to know the location of energy infrastructure, it is impossible to assess potential consequences of damage or disruption without knowing about the area in which it is located.

Know the Legal Authorities Supporting Your Response

Responding to an energy shortage has many implications, and it's important to avoid taking any action that goes beyond what the law allows. The private stakeholders that collaborate with State and local energy planners will know the limits. It is also important to know the organizational structure for dealing with emergencies as well as the rules promulgated by the public utility commission pertaining to local power restoration and safety.