



ISERnet Update 2018/2019

Infrastructure Security and Energy Restoration (ISER) Division, Office of Cybersecurity, Energy Security, and Emergency Response (CESER), U.S. Department of Energy (DOE)

October 2018

Outline: ISERnet Update 2018/2019

1. ISER and the Role of the EEAC
2. ISERnet Purpose and Current Status
3. ISERnet Update Plans
4. Discussion
5. Next Steps



1. DOE's Sector Specific Agency (SSA) Authorities

FAST Act (2015)

Codified DOE's SSA Role

PPD-21 –Establishes a shared responsibility among the Federal government, SLTT entities, and public and private owners and operators for CI security and resilience

PPD-41 –Federal Government's response to any cyber incident involving government or private sector entities

U.S. Department of Energy (DOE) Office of CESER Infrastructure Security and Energy Restoration (ISER) Division

State, Local,
Tribal, and
Territorial
Governments
(SLTT)

Oil and Natural
Gas Subsector
Coordinating
Council
(ONG SCC)

Electricity
Subsector
Coordinating
Council
(ESCC)

Energy
Government
Coordinating
Council
(EGCC)

Emergency
Support
Function
#12 –
Energy



U.S. DEPARTMENT OF
ENERGY

Infrastructure Security
& Energy Restoration

1. Infrastructure Security and Energy Restoration (ISER)

Preparedness and Exercises



- Energy Sector Exercises
- Energy Assurance Planning
- Sector Specific Agency Responsibilities
- Risk and Hazards Analysis
- International & Defense
- Cyber Preparedness

Emergency Response and Recovery



- Emergency Response
- Cyber Incident Coordination
- Energy Sector Situational Awareness and Analysis



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1. Energy Emergency Assurance Coordinators (EEACs)

- Established in 1996, updated agreement signed in 2016 to include NEMA, NARUC, and NGA.
- Program designates primary and secondary contact for each sector (petroleum, electricity, natural gas) for States, DOE and industry in event of an energy emergency.
- Provides credible, accurate, and timely source of information and updates on actions taken.
- Goal is to improve information-sharing and communication and lower response times.

Agreement for Enhanced Federal and State Energy Emergency Coordination, Communications, and Information Sharing


The U.S. Department of Energy (DOE), the National Association of State Energy Officials (NASERO), the National Association of Regulatory Utility Commissioners (NARUC), the National Governors' Association (NGA), and the National Emergency Management Association (NEMA) hereby agree to enter into the following agreement to better implement a framework titled "Terms of Reference for the Agreement on Federal and State Energy Emergency Coordination, Communications, and Information Sharing" dated June 11, 2016.

- DOE's Office of Electricity Delivery and Energy Reliability, Information Security and Energy Resilience Division (OEISER), NARUC, NEMA, NGA, and NASERO will work with the states to encourage voluntary participation to develop, maintain, and distribute the contact lists of state and federal officials responsible for energy market monitoring, or emergency assessment, and energy emergency response. States and DOE/OEISER will provide the lists in line regularly with names, titles, organizations, work addresses, phone numbers, and email addresses as well as other government contact information to more be relevant. States will be responsible for updating the lists any time there is a change in contact or an official designated as point of contact. The lists will be accessible through a secure website maintained by DOE/OEISER and will be accessible to those states whose names appear on the list.
- NARUC, NEMA, NGA, and NEMA will support participating states in the implementation of this agreement. Both parties states will request to provide any additional assistance in the event of a threat to energy supply and the State Emergency Coordinator, communications, and information sharing. States will share two assessments of energy disruption with surrounding states and DOE using (1) a restricted outside maintained by DOE/OEISER, (2) verbal, and (3) written reports and other means as appropriate. States should consider the website of the U.S. Energy Information Administration and OEISER to access publicly available energy data, information and analysis, emergency situation reports, and other available information. States should complete assessments or impact of emergencies in their state including steps from energy suppliers.
- DOE will provide a timely response to states informed on at least the level of state-level regional, multi-state, or state-level energy market disruption as becomes available to DOE. When a event that could have an effect on the energy market occurs or is expected to occur, DOE/OEISER will share with affected states all regional situation assessments that include details on all the components of the disruption, its severity, geographic scope, and duration and federal action plan. These assessments will draw on and reference information by states as well as other information, data, or analysis available to DOE.
- The communication system will be established and managed by DOE and three energy agencies.

			
David Perry	Scott J. Malcom	Greg K. White	David Meeks
Secretary	Executive Director	Executive Director	Executive Director
U.S. Department of Energy	National Association of State Energy Officials	National Governors' Association	National Association of Regulatory Utility Commissioners

2. ISErnet Purpose and Current Status

U.S. DEPARTMENT OF ENERGY - OFFICE OF ELECTRICITY DELIVERY AND ENERGY RELIABILITY



ISErnet Home About ISErnet Contact ISErnet Home

Logged in as: Kirsten Verclas
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[Logout](#)

[ESF-12](#)
[EEAC \(State + Local\) Member List](#)
[Listservs](#)
[Energy Assurance Resources](#)


[Orientation & Exercises](#)
[Infrastructure Analysis](#)
[Outages & Curtailments](#)

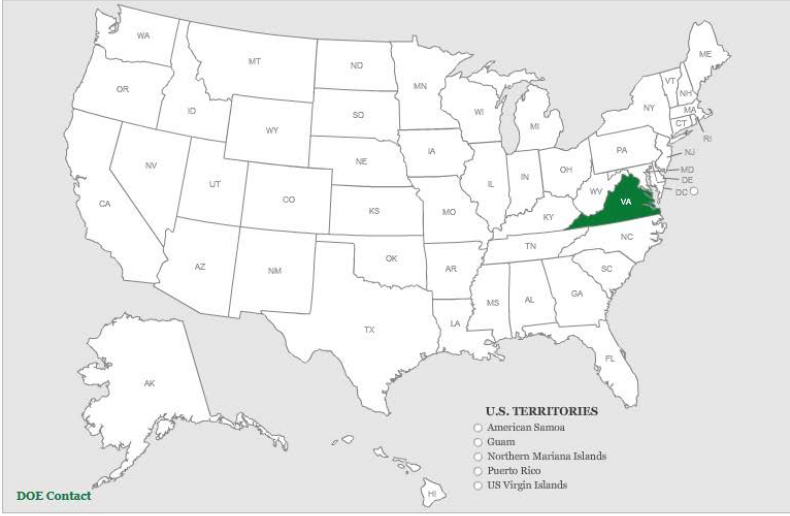
[Change Password](#)
[Edit Profile](#)

ENERGY EMERGENCY ASSURANCE COORDINATORS (EEAC) SYSTEM WEBSITE

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. State and local government agencies that received Energy Assurance Grants are also invited to access this information.

[PLAN DETAILS](#) [INFRASTRUCTURE & RANKING](#) [STATE & LOCAL ENERGY DATA](#) VIRGI

EAP Specific Information EAP Status FEMA Region  [Select a state to see its quick facts](#)



U.S. TERRITORIES

- American Samoa
- Guam
- Northern Mariana Islands
- Puerto Rico
- US Virgin Islands

[DOE Contact](#)

[A Reference Guide to State Energy Assurance Plans](#) has been prepared to facilitate peer sharing of state energy assurance plans. States can utilize this guide to quickly locate specific elements in energy assurance plans that are well-developed, unique, or innovative. States are encouraged to examine neighboring states' plans and identify opportunities for regional coordination and collaboration.

If your State's plan or a more recent update is not listed and you would like to have it posted on this site, please email a

STATE/TERRITORY KEY INFO

Division of Energy
Website: www.dmme.virginia.gov
Phone: (804) 692-3200

Department of Emergency Management
Website: <http://www.vaemergency.gov/>
Phone: (804) 897-6500
Email: pio@vdem.virginia.gov

DOE ESF-12 Regional Coordinator (R)
Bob Reed
Email: Robert.Reed@NETL.doe.gov
Phone: (304) 285-4990
Cell: (304) 216-1862

Related Links
[DOE Energy Assurance Daily](#)
Daily Summary of Energy News
[DOE Emergency Situation Reports](#)
Energy Emergency Situation Reports



3. ISERnet Update Overview

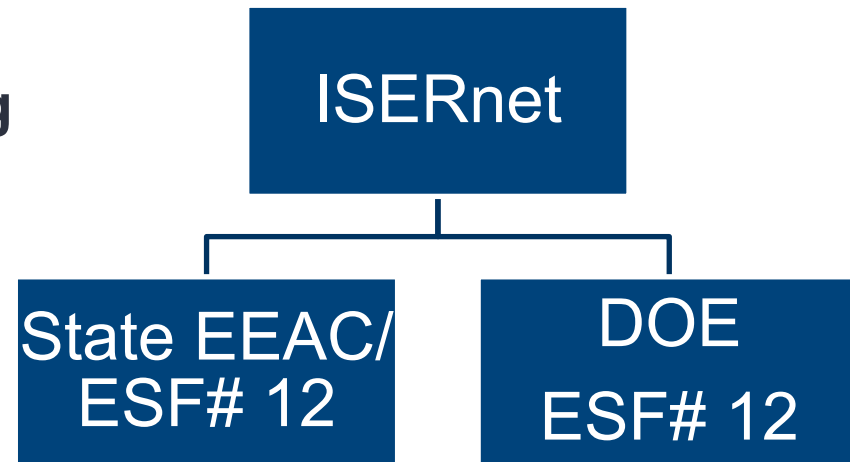
Goal

To update ISERnet by implementing changes requested by users, recent reports (including lessons learned from the 2017 season), and DOE stakeholders

Timeline

Train users on changes by spring for use in the 2019 hurricane season; updates should be complete by ~March 2019

Stakeholders



3. Functional Requirements

A non-technology specific function that describes e.g.,:

- A document repository for XYZ types of documents with an easy way to manage (update, reuse, reference) the documents
- A real-time chat or communication capability to exchange and record/register information with members of my mission community
- A way to access information XYZ in a better way

Functional requirements can be:

- already implemented and working (ISERnet)
- already implemented and not working (ISERnet)
- not implemented, with examples of where done elsewhere (in states, industry, etc.)
- not implemented, no examples of where done elsewhere



3. SLTT Program Components and ISErnet (Draft)

Communication - Steady State

- ISER → EEAC
- EEAC ↔ EEAC
- EEAC → ISER

Communication - Incident

- ISER → EEAC
- EEAC ↔ EEAC*
- EEAC → ISER

*during EEAC call, states mentioned they might not need/want additional communication during incident to focus on response efforts

Information - Steady State

- Energy Assurance Information (Plans, Guidelines, etc.)
- Risk Profiles
- Energy Infrastructure Maps and Data
- DOE Events and Reports (Exercises etc.)
- State Events and Reports (Exercises etc.)
- AARs
- EEAC Contact Information

Information - Incident

- Situation Reports
- Dashboard
- Waiver Library
- EEAC Contact Information
- Energy Infrastructure Maps and Data
- Incident Maps and Data
- Outage Reports

Training

- Training Content (Videos, Classes, Tests, Learning Material)
- Certification/ Certificate

3. SLTT Program Functional Needs - Examples (Draft)

Program Component	Functional Requirement
Information – Steady State	<ul style="list-style-type: none">• Sharing of Documents from EEAC, States, and National Associations• Sharing of Documents from DOE to EEAC and States• Energy Infrastructure Maps and Data (Links)• Information on DOE and State Exercises
Information - Incident	<ul style="list-style-type: none">• Situation Reports• Eagle-I and Outage Information
Communication – Steady State and Incident	<ul style="list-style-type: none">• Easy and Fast Communication ISER to EEAC• EEAC Contact Information
Training	<ul style="list-style-type: none">• Training Content• User Credentials



4. Discussion

- What do you use ISERnet for?
- What else would you like ISERnet to be able to do?
- What can safely be taken off of ISERnet that you don't use?
- Thoughts on potential examples noted earlier?
- What is most important to you to be added first?



5. Next Steps on ISErnet

- Review, consolidate, categorize, aggregate, prioritize
- Provide output results to user input groups
- Develop a coordinated business case and alternatives analysis



State and Local Team

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