

U.S. DEPARTMENT OF
ENERGY

Office of
Cybersecurity, Energy Security
and Emergency Response
& Energy Reliability



Infrastructure Security and Energy Restoration (ISER)

NASEO/NEMA Petroleum Shortage Response Planning Workshop
Lessons Learned and Effective Practices

April/May 2019

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

CESER Collaboration Across the Energy Sector

State, Local, Tribal and Territorial (SLTT) Program



NASEO
National Association of State Energy Officials



AMERICAN
PUBLIC POWER
ASSOCIATION

NGA
NATIONAL GOVERNORS ASSOCIATION



ESCC
Electricity Subsector Coordinating Council

2019 Leadership

- Tom Fanning, Southern Company
- Kevin Wailes, Lincoln Electric
- Duane Highley, Tri-State

Steering Committee

- APPA, Canadian Electricity Association, EEI, EPRI, EPSA, NIAC, NRECA, NERC, ISO/RTO Council

Working Groups

- Vision and Planning
- Threat Information Sharing
- Industry-Government
- Research & Development
- Cross-Sector Liaisons



2019 Leadership

- Tamara Lance, Atmos Energy
- Jillian Sulley, Devon Energy

Owner and Operator Trade Associations

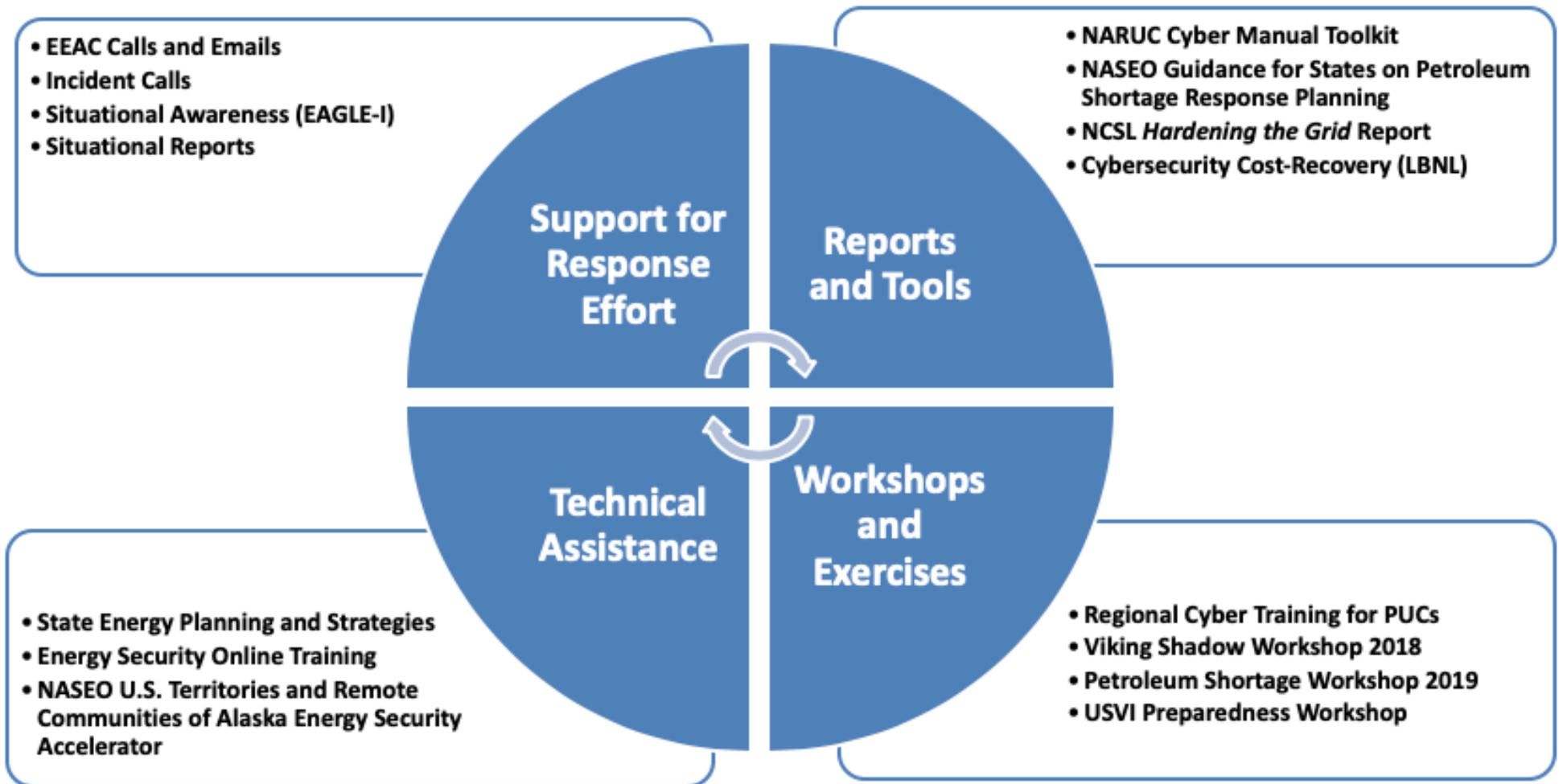
- AXPC, AFPM, AGA, API, APGA, AOPL, ESC, GPA, IPAA, IADC, ILTA, INGAA, NACS, NOIA, NPGA, OMSA, OOC, PMAA, SIGMA, TXOGA, and USOGA

Associate Member Trade Associations

- Canadian Association of Petroleum Producers
- Canadian Energy Pipeline Association



State Energy Security Preparedness and Response



Exercises and Workforce Development and Training



Liberty Eclipse



Clear Path



Cyber Strike



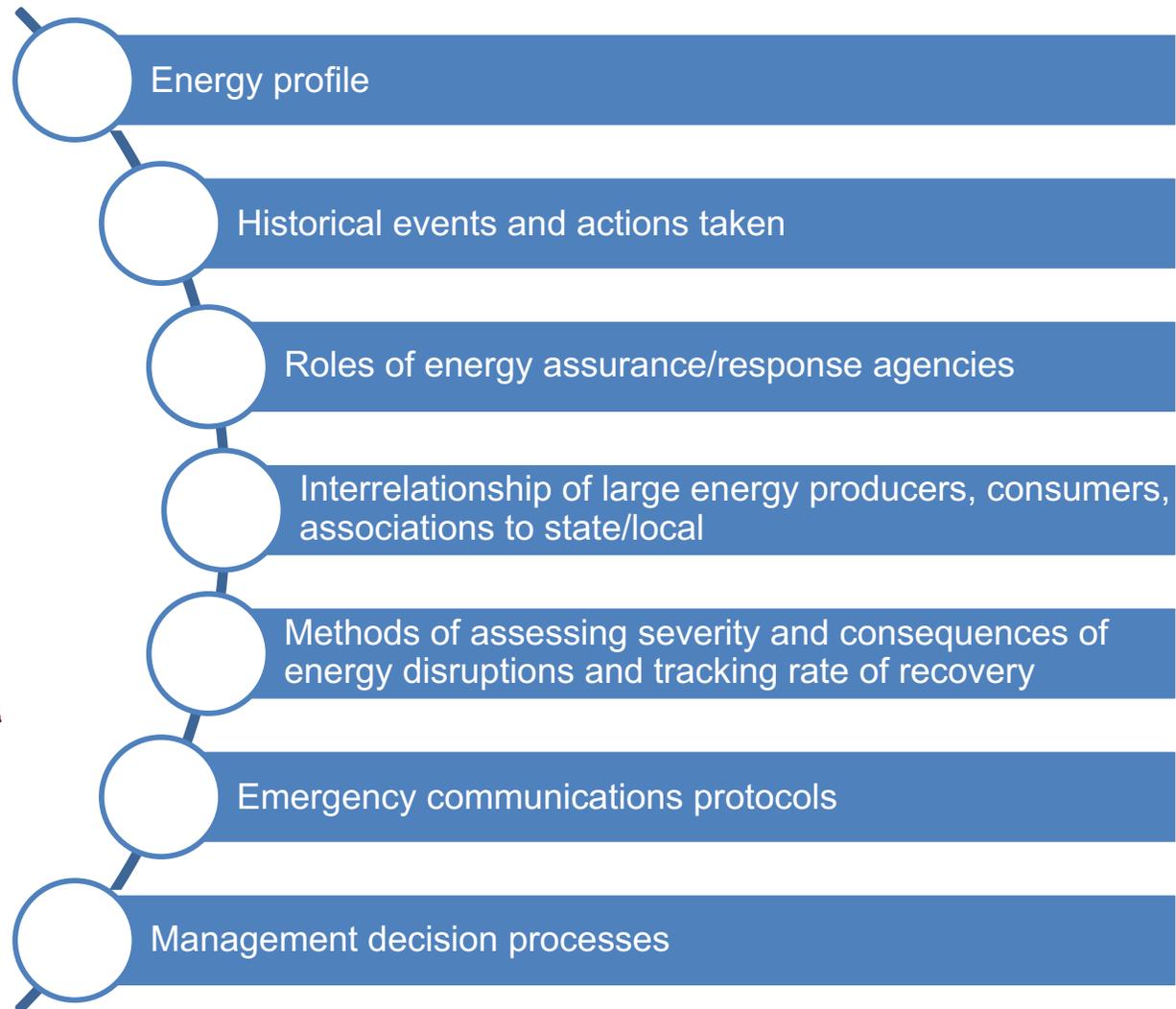
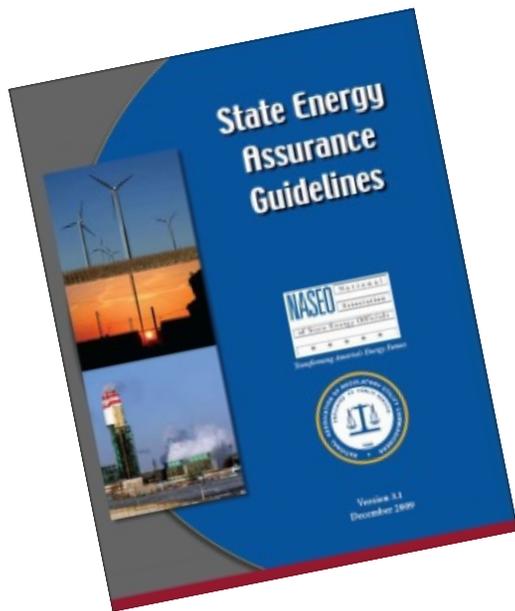
Cyber Force

State Role in Energy Security Planning

“All response is local. Energy Assurance Planning supports successful state and local response, as well electricity and oil and natural gas counterparts.”

Data Tracking and Monitoring	Authorities & Responsibilities	Procedures and Processes	Contacts	Federal Framework
<ul style="list-style-type: none">• Capacity and Flows• Critical Infrastructure• Threats and Hazards	<ul style="list-style-type: none">• Emergency Declarations• Waivers• Connection to other state plans	<ul style="list-style-type: none">• How to Declare Emergency• Emergency Electrical Procedures• Petroleum Shortage Plans• Public Outreach	<ul style="list-style-type: none">• Local Govt• Other State Agencies• Neighboring States• Decision-makers• Petroleum suppliers• Gas and electric utilities• Distribution companies• Industry associations	<ul style="list-style-type: none">• National Response Plans• National Infrastructure Protection Plan• Energy Sector Specific Plan

State Energy Assurance Plans

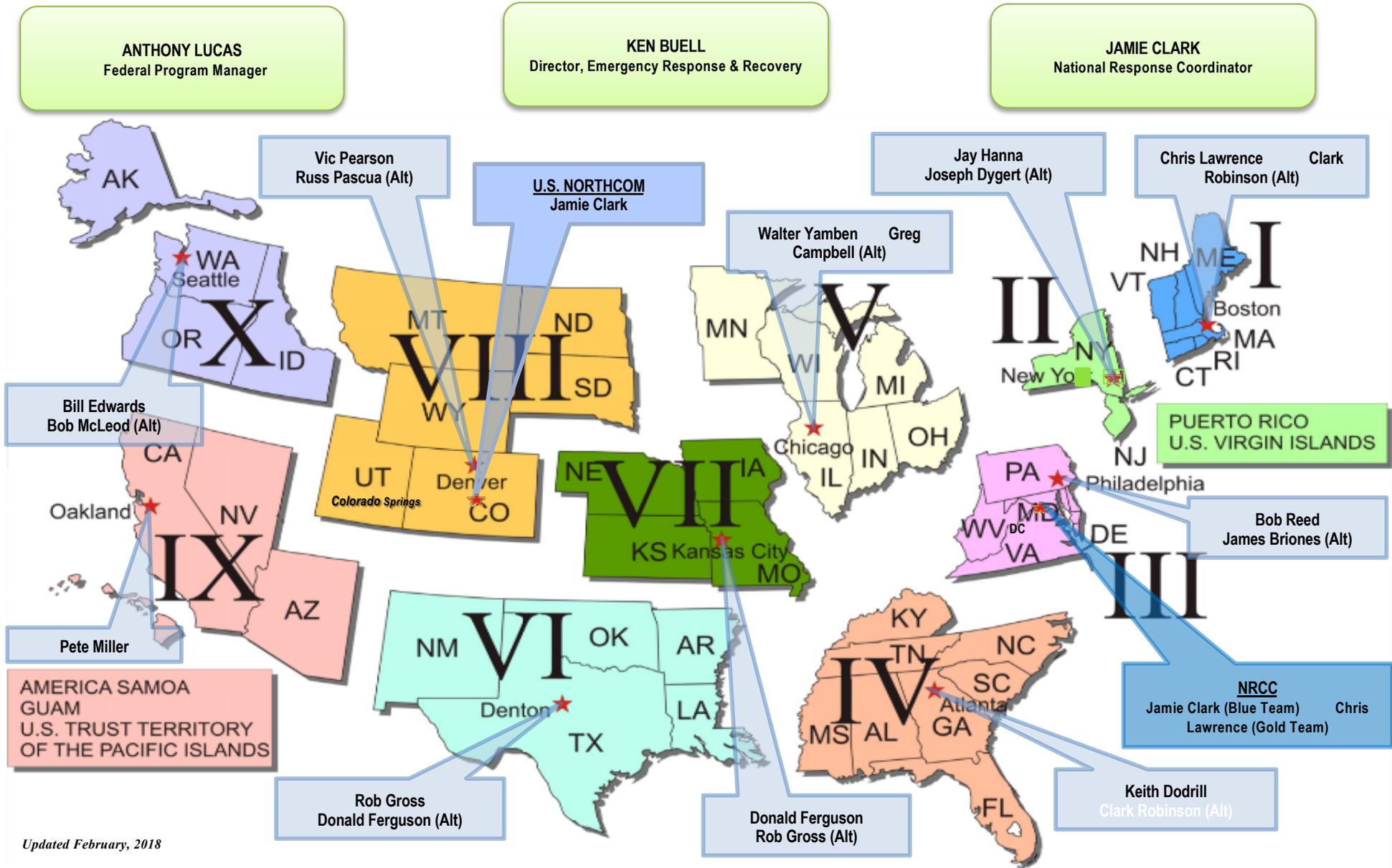


EAP Resources:

<https://www.naseo.org/energyassurance>



Regional Coordinators



Updated February, 2018

State Energy Offices Checklist

- Emergency Response Planning Functions
 - ✓ Update the Energy Assurance Plan regularly (and share with ISERnet)
 - ✓ Understand state roles' and responsibilities prior, during, and after an energy emergency response
 - ✓ Know the federal role and federal support that is available to states

- Emergency Response Logistics
 - ✓ Check EAGLE-I Login Information:
<https://eagle-i.doe.gov/login>
 - ✓ Check Energy Emergency Assurance Coordinator (EEAC) contact information in ISERnet:
<https://www.oe.netl.doe.gov/ISERNET/login.aspx>
 - ✓ Consult the Energy Waiver Library:
<https://www.energy.gov/ceser/energy-waiver-library>
 - ✓ Familiarize with DOE Situation Report Website:
<https://www.energy.gov/ceser/activities/energy-security/monitoring-reporting-analysis/emergency-situation-reports>
 - ✓ Know your DOE Regional Coordinator:
See map and email energyresponsecenter@hq.doe.gov for contact information.



Petroleum Shortage Response Planning - Lessons Learned

- **Internal Communication**
 - Identify strategies for educating and working with elected and appointed officials on petroleum issues.
- **External Communication**
 - Consider social media and rumor control for rapid response. The public message needs to be shaped early in the response and integrated with larger response efforts.
 - Increase integration of industry and associations in unified messaging efforts both during and before events.
- **Education and Training**
 - Maintain a robust understanding of state regulations, federal resources/assistance, limitations.
 - Understand how a fuel shortage in one area can spread to other areas.
 - Provide information on fuel supply contracts.
 - Convey the interconnectedness of the petroleum and propane sectors.
- **Coordination**
 - Engage industry and representative associations in preparedness and after action processes, including state energy security planning.
 - Ensure regular communication with cross-agency representatives.
- **Analysis**
 - Investigate use of, or templates for, contingent contracts to deal with shortages and disruptions.
 - Look for methods to address national truck driver shortages.
 - Assess the cyber vulnerability of the fuel storage and distribution infrastructure (i.e., pipelines, rail, terminals, and secondary storage).



CESER Contact Information

Kate Marks
Sector Engagement

Kate.Marks@hq.doe.gov

202-586-9842

Kirsten Verclas
Fellow

Kirsten.Verclas@hq.doe.gov

202-586-0162

