

U.S. DEPARTMENT OF ENERGY

Office of Cybersecurity, Energy Security, and Emergency Response

Assuring Critical Function Resilience Through Innovative Fuels and Advanced Emergency Planning

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CESER Overview and Threat Landscape

Mission: To enhance the security of U.S. critical energy infrastructure to all hazards, mitigate the impacts of disruptive events and risk to the sector overall through preparedness and innovation, and respond to and facilitate recovery from energy disruptions in collaboration with other Federal agencies, the private sector, and State, local, tribal, and territory governments.

Evolving Threats to Critical Infrastructure



Collaboration and Coordination is Essential

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













Energy Government Coordinating Council (EGCC)



Industry Councils

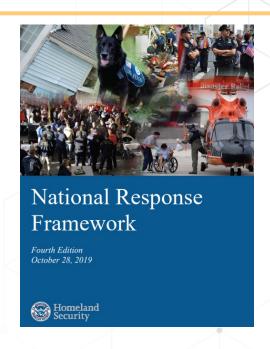




What is Emergency Support Function (ESF) #12?

ESFs are part of FEMA's National Response Framework

- How the Nation responds to disasters and emergencies
- Built on the National Incident Management System
- Scalable, flexible, and adaptable coordination structures









Emergency Support Functions:

•	ESF1	Transportation			
	ESF2	Communications	•	ESF9	Urban Search & Rescue
•	ESF3	Public Works & Engineering	•	ESF10	Oil & Hazardous Materials Response
•	ESF4	Firefighting	•	ESF11	Agriculture & Natural Resources
•	ESF5	Emergency Management		ESF12	Energy
•	ESF6	Mass Care, Housing & Human Services	•	ESF13	Public Safety & Security
•	ESF7	Resources Support	•	ESF14	Cross-Sector Business & Infrastructure
•	ESF8	Public Health & Medical Services	•	ESF15	External Affairs

Information Sharing Across the Energy Sector

Information Sharing and Analysis Centers (ISAC)

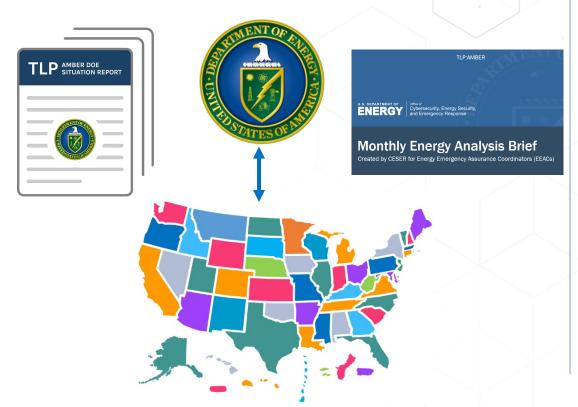






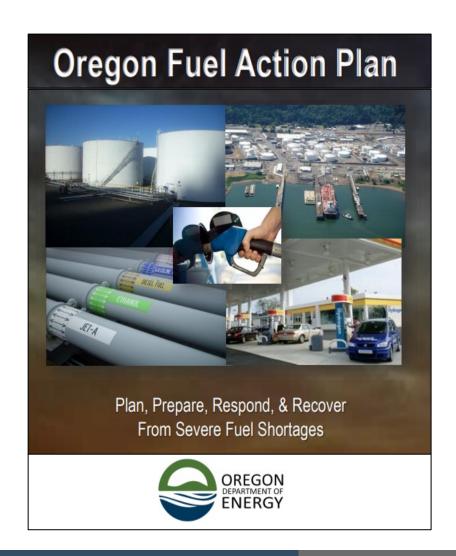


Energy Emergency Assurance Coordinator (EEAC) Program facilitates 2-way information sharing between DOE and states leading up to and during an energy disruption or emergency



Call to Action

- Ask fusion center for briefings (class or unclass.)
- Build well-defined, trusted information-sharing processes and implement exchange mechanisms that meet the needs of federal, state, and private sector partners.
- Exercise information sharing protocols and channels.



- Oregon Fuel Action Plan outlines Fueling points of distribution concept in response to risk posed by Cascadia Subduction Zone.
- Identifies authority and responsibilities to control and direct the state's overall response to petroleum emergencies
- Provides coordination structure for federal, state, county, tribal, and petroleum industry partners
- Provides structure for fuel allocation that identifies preapproved priority users of fuel and user responsibilities
- Identifies state and county priority lifeline routes to support fuel deliveries
- Pre-designates Fuel Points of Distribution (FPOD) for receiving emergency fuel

- Wisconsin: Critical Infrastructure Microgrid and Community Resilience Center Feasibility Studies (map)
- Modeled on programs from New Jersey BPU, NYSERDA, MASS DOER, Maryland, Connecticut, and California.
- WI's Refueling Readiness grant program- modeled on Oregon's program. Read more <u>here</u>
- Statewide Assistance For Energy Resilience and Reliability SAFER2 Local fuel and ESF-12 planning program, templates, guidance, exercise in-a-box, HSEEP compliant: PSC Statewide Assistance for Energy Resilience and Reliability



- MPSC provides data to public and decision makers to determine risk, biannually.
- Report delivered by MPSC's dedicated Energy Security Section.
- MI Propane Security Plan- preparing for future potential product delivery disruptions.



Michigan Energy Appraisal

Summer Outlook 2022

2022 Summer Energy Appraisal.pdf (michigan.gov)

- Dedicated Energy Emergency Management Section within WA Department of Commerce
- Update/ maintain/exercise Energy Security Plan
- Provides Local Fuel Planning
 Toolkit with Guidance, templates,
 step-by-step guide to create,
 exercise, and finalize plans Fuel
 Planning Toolkit Washington State Department of Commerce



LOCAL EMERGENCY FUEL PLANNING

Fuel Planning Project Guide

Summary

Fuel is critical to maintaining mission essential functions during an emergency.

The Washington State Fuel Action Plan is implemented by the Energy Emergency Management Office (EEMO) and describes the state's response to fuel shortages including priorities for emergency fuel allocation, if needed. It depends on a clear understanding of the quantity and types of fuels needed by the state, locals, Tribes and territories (SLTT) to maintain their mission essential functions. Therefore, we are inviting SLTT entities to conduct their own fuel assessments. Our goal is to help life safety and critical infrastructure entities to become more resilient and to recover quickly.

Getting started

We want fuel planning to be easy and effective, so we are introducing several ways to get started:

- Take a look at our <u>Fuel Planning Toolkit</u>. This includes several documents and templates to guide planners through the fuel planning process—no experience with fuel necessary!
- Attend a "Local Fuel Planning Office Hour" meeting. This
 is a casual forum to ask questions, give and receive
 feedback, hear from others working on the same things,
 and share best practices. (Email us for an invitel)
- Contact us at any time at wa.energyem@commerce.wa.gov. We'd be happy to answer questions by email or schedule a meeting.



Fuel Planning Toolk

- Fuel Needs Assessment To
- Plan Template
- Plan Evaluation Check
- Fuel Point of Distribution (FPO)

Designed to align wi

- State Fuel Action Plan
- Your neighboring jurisdiction (even in Oregon and Idaho!)
- Your Continuity of Operation
 Plan (COOP) and
 Comprehensive Emergency
 Management Plan (CEMP)

Agency contac

Johanna Hanson

OPERATIONS MANAGER Energy Emergency Management Office

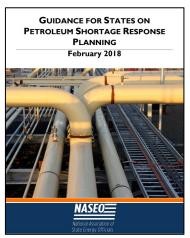
Wa.energyem@commerce.wa.gov Phone: 360-725-2866

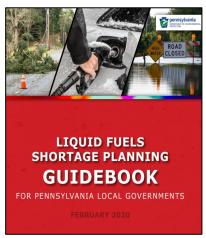


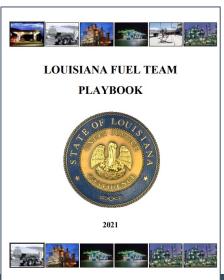
We strengthen communities

Call to Action

Develop or update state plan







Form a Regional Collaborative

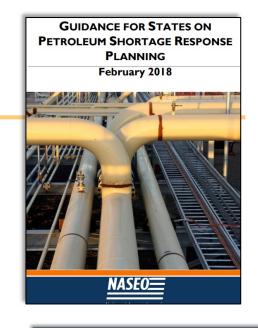


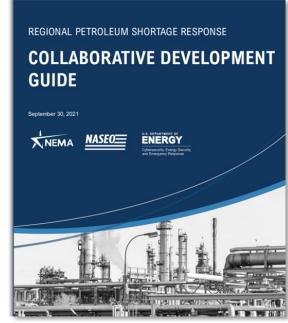
Know your Information Sources

- DOE Energy Risk <u>Profiles</u>
- Energy Information Administration (EIA) <u>Energy Atlas</u>
- EIA Petroleum <u>Reports</u> and Energy <u>Outlooks</u>
- GasBuddy
- Energy Emergency Assurance Coordinators (EEAC)
- Information Sharing and Analysis Centers (ISACs)

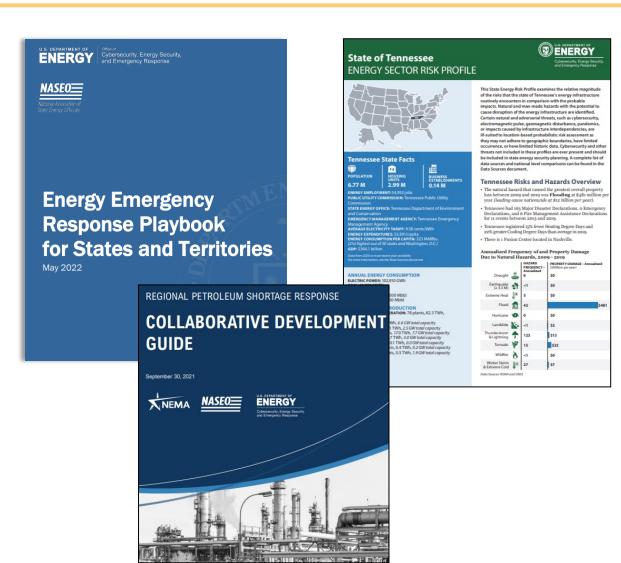
State Considerations to Address Risks

- Engage with industry to ensure adequate, affordable supply and maintain safe operations
- Include fuel contingency measures in energy emergency plans
- Evaluate state authorities for action and future prevention (are there other fuels/sources that can be developed? NREL Renewable Propane Study FinalReport V26-23-22FINAL-1.pdf (propane.com)
- Develop a communications strategy (i.e., infographic to explain key factors to the public)
- Expand regional coordination





Resources



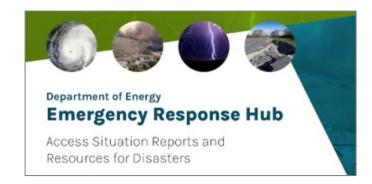
Energy Waivers Library

OVERVIEW OF WAIVER-GRANTING DEPARTMENTS AND AGENCIES +

I. PRODUCTION AND SUPPLY +

II. TRANSPORTATION AND DISTRIBUTION +

III. FUEL USE +



Coming soon:

 NGA/NASEO Crisis Communications Playbook

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