

Energy Resilience and Emergency Management Office

Cybersecurity & Physical Security Program Overview

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Washington State
Department of
Commerce

Overview of key elements

- EREMO Overview
 - Justification
 - Mission
 - Scope of impact
- EREMO CP
- Stakeholder Engagement
- Action Items

State & Federal Authorities

RCW 43.21F.045	<ul style="list-style-type: none"> • Duties of the Department • Directs Department of Commerce to “prepare and update contingency plans for implementation in the event of an energy shortages or emergencies.”
RCW 43.21F.060	<ul style="list-style-type: none"> • Obtaining information confidentiality • Ability to obtain necessary information from energy suppliers and will be confidential and not open for public disclosure
RCW 43.21G	<ul style="list-style-type: none"> • Energy Supply Emergencies, Alerts • Definitions of an Energy Supply Alert & Energy Emergencies • Governor’s Energy Emergency Powers • Priority guidance for allocation of energy during an energy emergency
WAC 194-14	<ul style="list-style-type: none"> • Emergency Petroleum Allocation Action Rules • Last updated 12/2/1980
WAC 194-22	<ul style="list-style-type: none"> • Washington State Curtailment Plan for Electric Energy • Last updated 10/8/1999

42 U.S.C. § 6323(e)(1)	<ul style="list-style-type: none"> • Energy Policy & Conservation Act of 1975 • Each State is required to submit an energy emergency plan that it will utilize in the case of an energy supply disruption.
Energy Infrastructure Act of 2021	<ul style="list-style-type: none"> • Updates the requirements for each state to develop and submit State Energy Security Plans. • Natural, physical (human-caused), equipment failure, cybersecurity
Presidential Policy Directive 7	<ul style="list-style-type: none"> • Establishes a national policy to identify and prioritize critical infrastructure and to protect them from terrorist attacks.
Presidential Policy Directive 8	<ul style="list-style-type: none"> • National Preparedness, strengthens the security and resilience of the U.S. through systematic preparation for high-risk threats.
Presidential Policy Directive 21	<ul style="list-style-type: none"> • Unifies the national effort to strengthen and maintain critical infrastructure

EREMO Mission

The mission of the Energy Resilience and Emergency Management Office is to **provide comprehensive and sustainable emergency management, resilience development, cybersecurity services** for the energy sector and residents of Washington State. To accomplish this, we coordinate with stakeholders at all levels of government and with electric, natural gas utilities, the petroleum industry, and renewable sectors statewide to develop planning documents and standards, trainings, and operational support during emergencies.



Structure of the Office



Areas of our Responsibility

Electric Sector



Petroleum Industry



Natural Gas Sector



Alternative Fuels Sector



What we DON'T do

Share protected business or critical infrastructure data

- the EREMO, can, however, share recommendations about planning and response measures based on our understanding of the situation

Establish restoration priorities for the energy industry

- the EREMO can, however, work with industry stakeholders to identify critical infrastructure within their service territory

Acquire, manage, or operate emergency generators

- the EREMO does, however, provide input on prioritizing facilities to receive generators based on the projected restoration timelines and community need

Dictate destinations of fuel shipments

- the EREMO can, however, work with industry stakeholders and emergency management to assist in expediting fuel delivery, and to resolve issues impacting delivery

Case Study

- **December Physical Security Attacks**
 - “New attacks on electrical substations in the Pacific Northwest have raised concerns about a vulnerable power grid. Four sites in Washington state or broken into and damaged over the holiday weekend”
 - Close to 15k customers out of power, \$3 million in damages
 - Severe winter storm weather (heating homes), medical devices, and threat actor information sharing
 - Conclusion: no nation-state motive, stealing from a local business

Cyber & Physical Security Program

The mission of the EREMO Cyber and Physical Security Program (EREMP-CP) is to identify, detect, respond to, recover from, and provide governance around cyber-physical threats to the energy sector.



EREMP-CP will develop comprehensive **cyber-energy threat landscape annual reports** to identify the evolving landscape.



Establish **threat detection and intelligence-sharing practices** between utilities in the event of cyber-physical incidents that disrupt energy reliance.



Support a standardized response strategy to remediate cyber-physical remediation best practices that integrate IT/OT compliance standards (such as NERC CIP and NIST CSF) for all energy sources covered by EREMO.

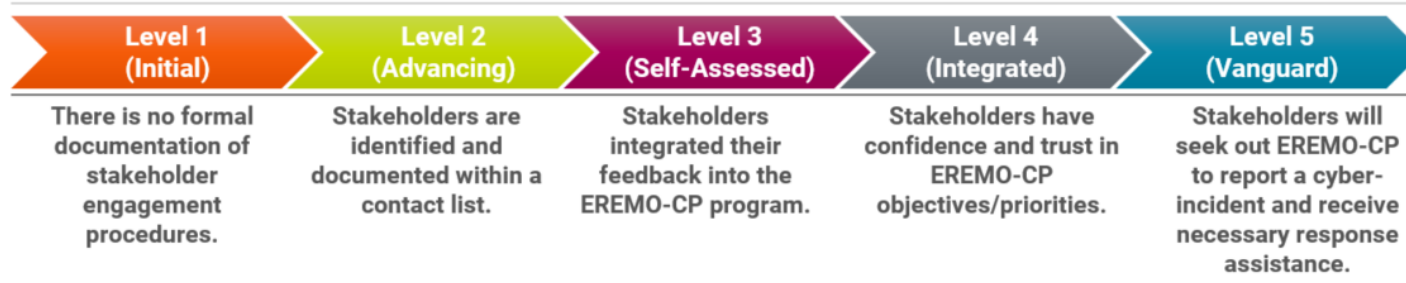


Enhance the long-term recovery strategies for cybersecurity threat mitigation for all energy sector partners.



As the governing authority for energy safety within the State of Washington, EREMO-CP will establish **a legislative policy to support these efforts and set a precedent** for other states to follow.

Stakeholder Engagement



Current Progression Status:



Action Items & Agency Contacts

- Develop a relationship with our office
- Exchange best practices
- Adopt the NASEO Cybersecurity Baselines



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