



Department of Commerce

# Washington Energy Assurance + Resilience

*Michael Furze*  
*Assistant Director, Energy Division*

May 2017

# We strengthen communities

The Department of Commerce touches every aspect of community and economic development. We work with local governments, businesses and civic leaders to strengthen communities so all residents may thrive and prosper.



Planning



Infrastructure



Community  
Facilities



Housing



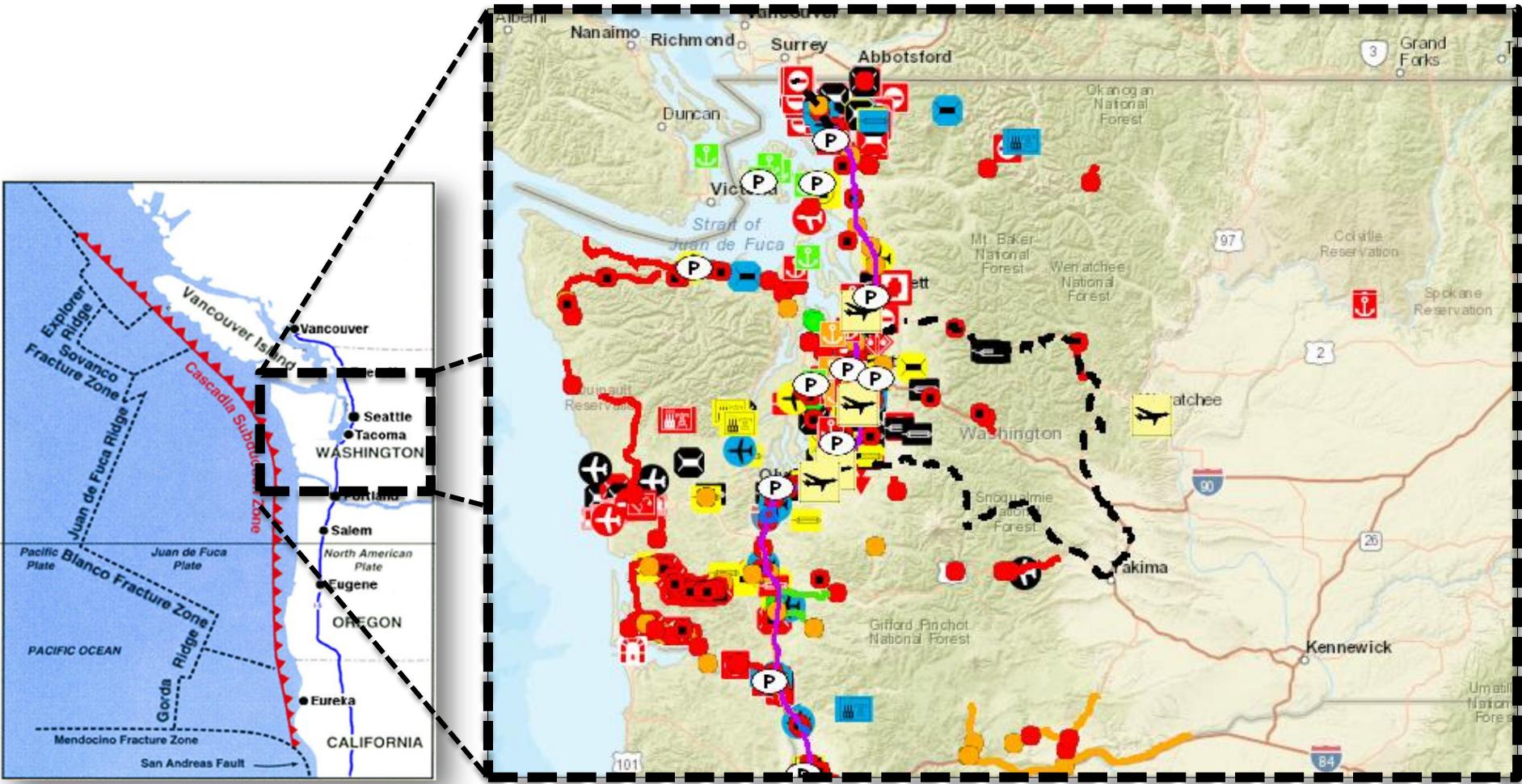
Safety /  
Crime Victims



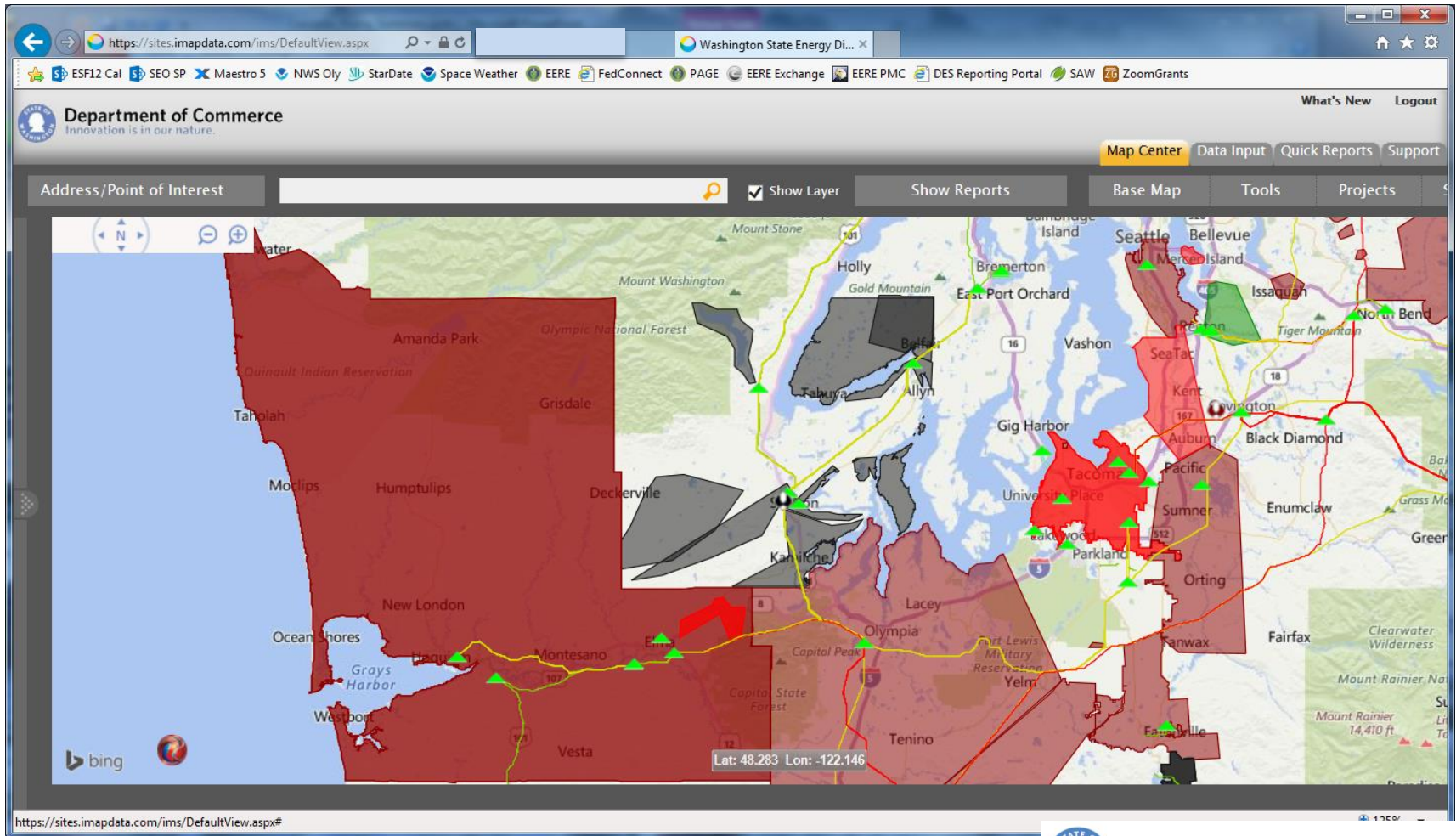
Business  
Assistance



# ESF-12 Response-Gain Situational Awareness



# ESF-12 Response-Share Situational Awareness



Screenshot – Cascadia Rising Outage Areas



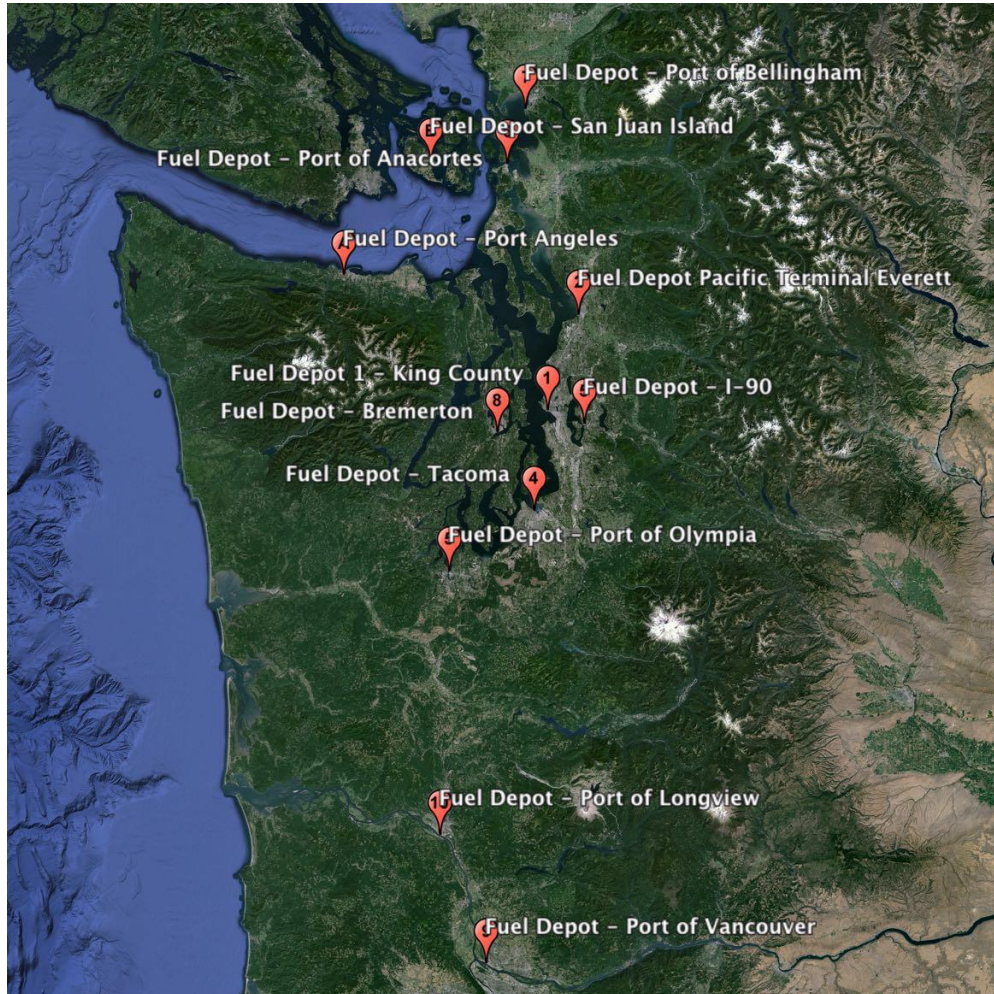
# ESF-12 Response-Fuel Infrastructure Assessment



- Extensive refinery damage to equipment or tanks
- Considerable damage to equipment
- Failure of tanks, stacks, or elevated pipes
- Extensive damage to buildings or to pumps— inoperable until repaired

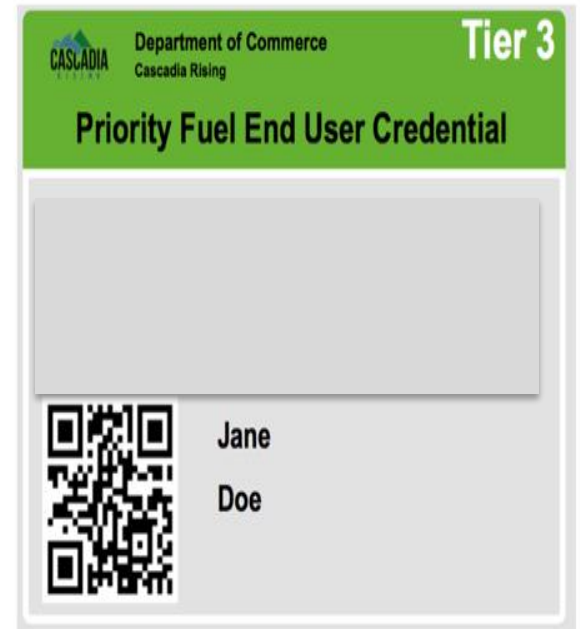
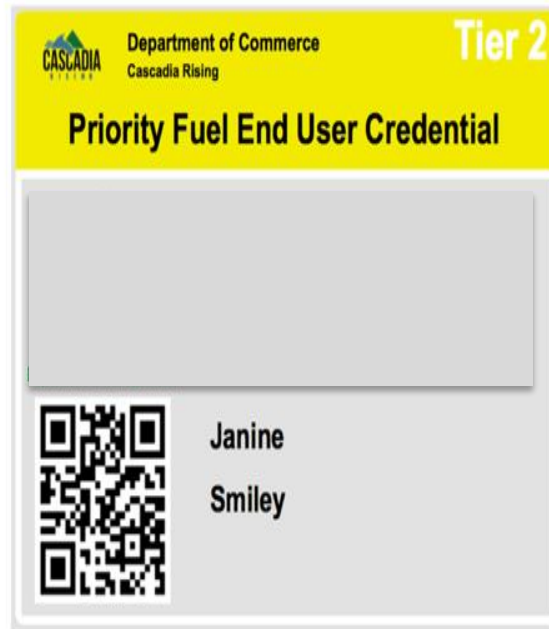
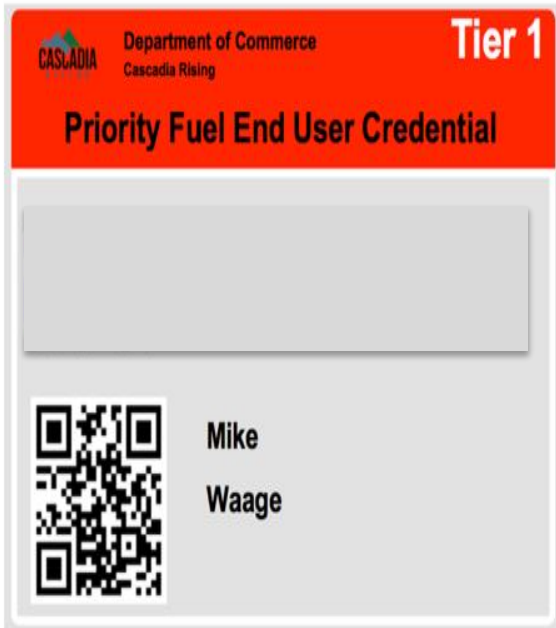
Figure 63. Washington refined fuel facilities and pipelines in relation to shaking intensity and landslide potential

# ESF-12 Response-Temporary Fuel Distribution

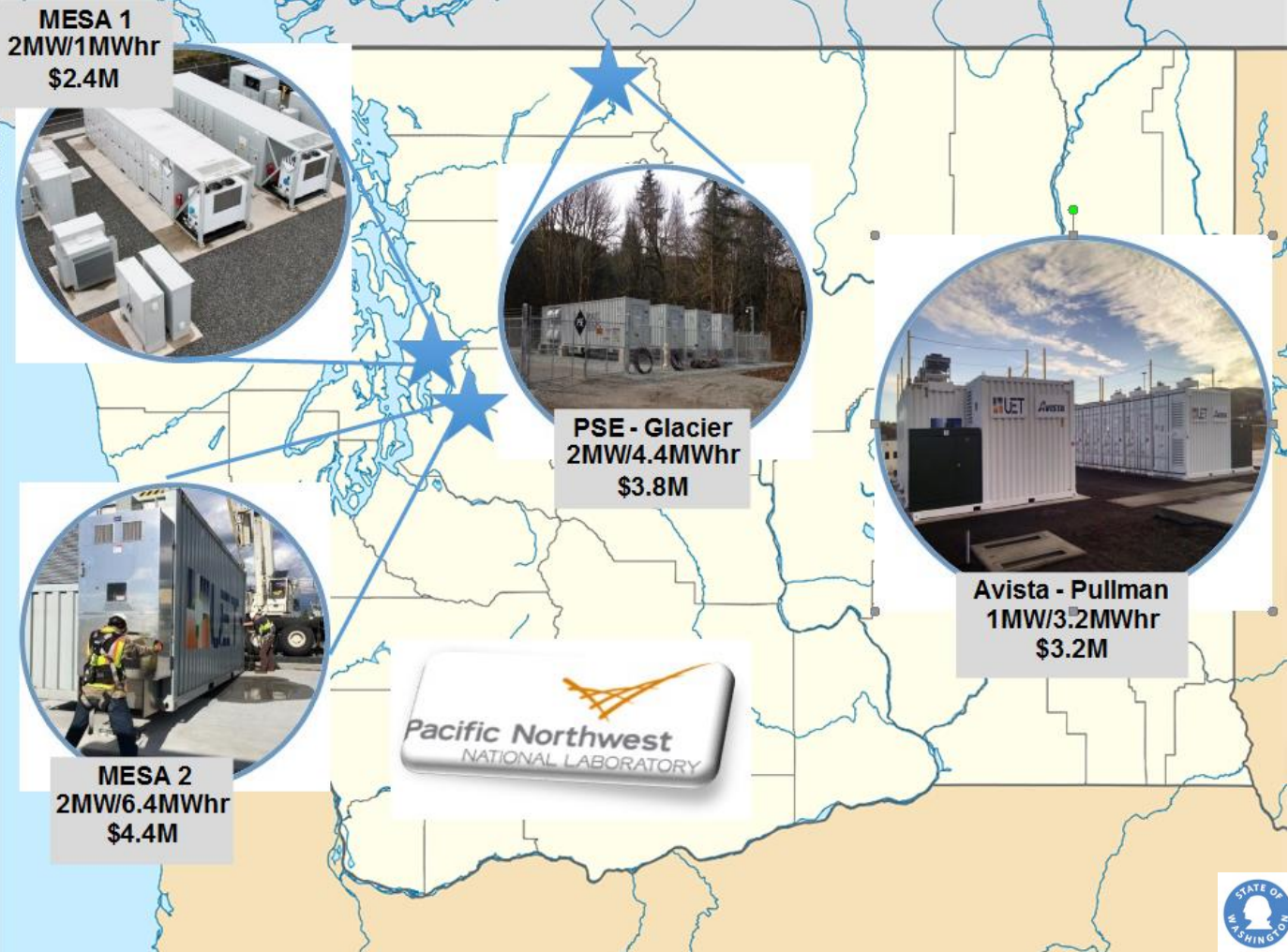


# ESF-12 Response-Petroleum Allocation Program

Recipients of priority fuel must be credentialed.



# Clean Energy Fund: Modernization + Resilience



Projects elements maximize the efficiency and situational awareness within the grid:

- integrated control systems
- energy storage
- micro and campus grids
- islands of refuge.







# Department of Commerce

Presented by:

**Michael Furze**

**Assistant Director, Energy Division**

(360) 725-2950

michael.furze@commerce.wa.gov

[www.commerce.wa.gov](http://www.commerce.wa.gov)

facebook

twitter