

***Scenario #1:
Earthquake***

Scenario Facilitated Discussion One - Earthquake

Scenario – Part One

- At 9:57 a.m. on April 29th, a strike-slip occurs at the fault line between the Pacific Plate and North American Plate resulting in an earthquake striking the southern coast of the State of Obsidian with a magnitude of 7.8 and a maximum Mercalli intensity of XI (extreme). The State of Obsidian is one of the most populous in the country and home to pipelines that feed much of the Western portion of the country.
- Shaking lasts for nearly two minutes with the strongest shaking occurring near the fault. Pockets of strong shaking form away from the fault where sediments trap the waves.
- The earthquake immediately causes unprecedented damage to Southern Obsidian, affecting a major pipeline and five of the largest refineries in the country. It is unknown how long the pipeline and refineries will be offline.



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Scenario – Part One

- The Governor of Obsidian declares a State of Emergency and convenes a Special Fuel Task Force to respond to the emergency. As a member of emergency management, the energy office, transportation, National Guard, or other critical agency stakeholder, you are designated as a part of this Fuel Supply Task Force.



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Scenario Assumptions

- The Governor has implemented “*Waivers of Federal Motor Carrier Safety Regulations (Driver Hours of Service)*” and “*Waivers of Environmental Fuel Specifications.*”
- Emergency management and industry partners are monitoring petroleum supply to the region.

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Discussion Objectives

- Discuss the provisions required to implement the “*Minimum Purchase Program*” and/or the “*Odd-Even Purchase Program*” in accordance with the program’s implementation procedures (Guidance for States on Petroleum Shortage Planning Response, p.45).
- Discuss implementation of the “*Waivers of Federal Motor Carrier Safety Regulations (Driver Hours of Service)*” program (Guidance for States on Petroleum Shortage Planning Response, p.81).

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Scenario – Part Two

- Situation reports are indicating that panic buying of petroleum products is prevalent across the region and that neighboring states are also experiencing challenges with meeting heightened fuel demands. Despite efforts to mitigate the long lines at retail gas stations, the Governor has requested a meeting with emergency managers and ESF #12 representatives from neighboring states to coordinate regional fuel supply requirements.
- As a member of the Fuel Response Task Force, you have been directed to identify additional fuel response programs/measures that could be employed to address heightened fuel demand.

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Scenario Assumptions

- Significant lines of vehicles either develops at retail fueling stations or conditions exist that would make them likely (e.g., decline in fuel supply).
- Urban/Suburban communities are likely to be impacted more significantly.
- The Governor has implemented “*Waivers of Federal Motor Carrier Safety Regulations (Driver Hours of Service)*” and “*Waivers of Environmental Fuel Specifications.*”
- Emergency management and industry partners are monitoring petroleum supply to the region.



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Discussion Objectives

- Identify and discuss alternative fuel shortage response programs/measures and conditions for implementation.
- Identify mechanisms to make fuel shortage response program/measure implementation more regionally focused.