Oregon Department of **ENERGY**

Liquid Fuel Distribution & Energy Security Plan

House Interim Committee on Emergency Management, General Government, and Veterans

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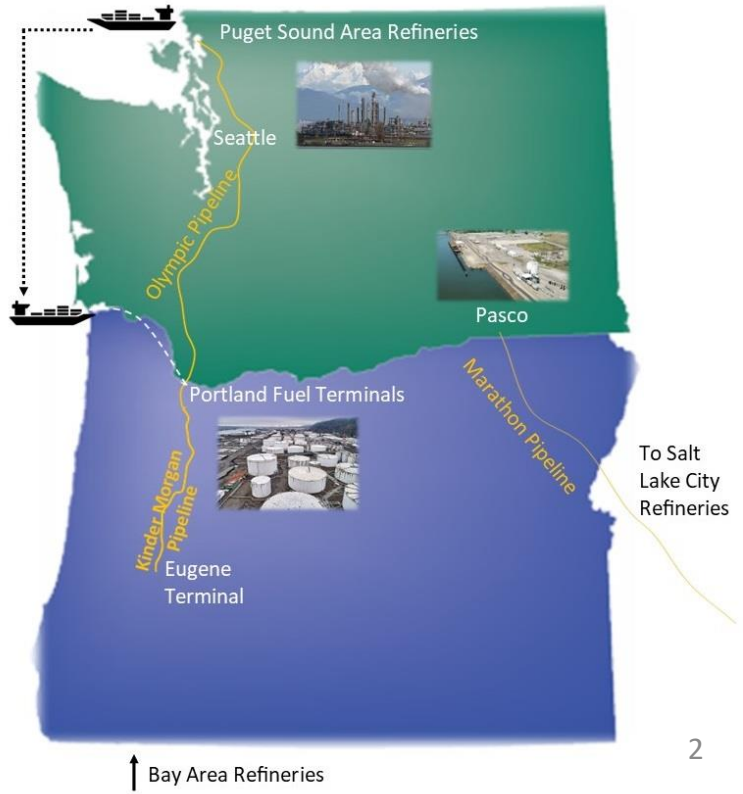
LIQUID FUEL DISTRIBUTION "BLUE SKY DAYS"

- Approximately 90% of refined petroleum products used in Oregon originate from four major refineries in Washington
- Fuel is shipped to Oregon via the Olympic pipeline, barge, and rail
- Most of that fuel passes through the Port of Portland fuels terminals
- From there:
  - Jet fuel via pipeline to PDX;
  - Gasoline and diesel via pipeline to Eugene terminal; and
  - Truck distribution across Oregon
- Approximately 10% of refined petroleum product used in Oregon originates from refineries in Utah near Salt Lake City
  - Pipeline to Pasco, WA, then trucked into Oregon



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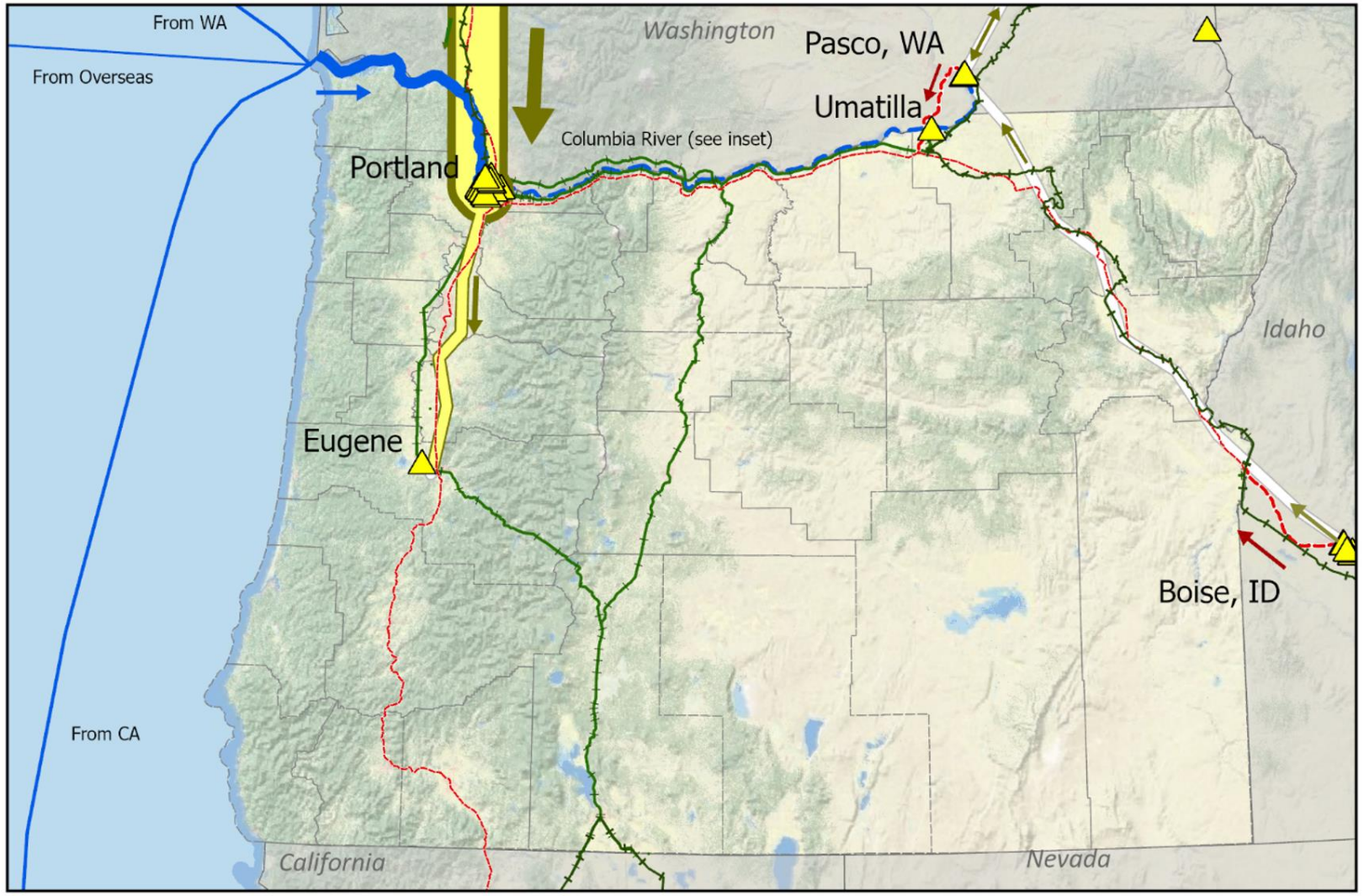
GASOLINE INBOUND TO OREGON



Share by mode

(approximate - varies seasonally and year to year)

Marine	Rail	Truck	Pipeline
(barge)			(thru)
17	<1	5	77

Flow routes

Inbound flow - percent on route

<5% 10% 30% 60%

Petroleum Terminals

Destination for most inbound flow

Counties

Other States

DIESEL INBOUND TO OREGON

Share by mode

(approximate - varies seasonally and year to year)

Marine	Rail	Truck	Pipeline
(barge)			(thru)
30	2	3	66

Flow routes

Inbound flow - percent on route

<5% 10% 30% 60%

Petroleum Terminals

Destination for most inbound flow

Counties

Other States

LIQUID FUEL DISTRIBUTION "BLACK SKY DAYS"

Emergency Fuel Response

Annual emergencies, Cascadia Subduction Zone Quake

- Local fuel issues; or affecting the entire Pacific NW

In 2022, Oregon used approximately, per day:

- Gasoline: 3.7 million gallons → 370 trucks*
- Diesel: 2.3 million gallons → 220 trucks
- Jet Fuel: 545,000+ gallons → 54 trucks

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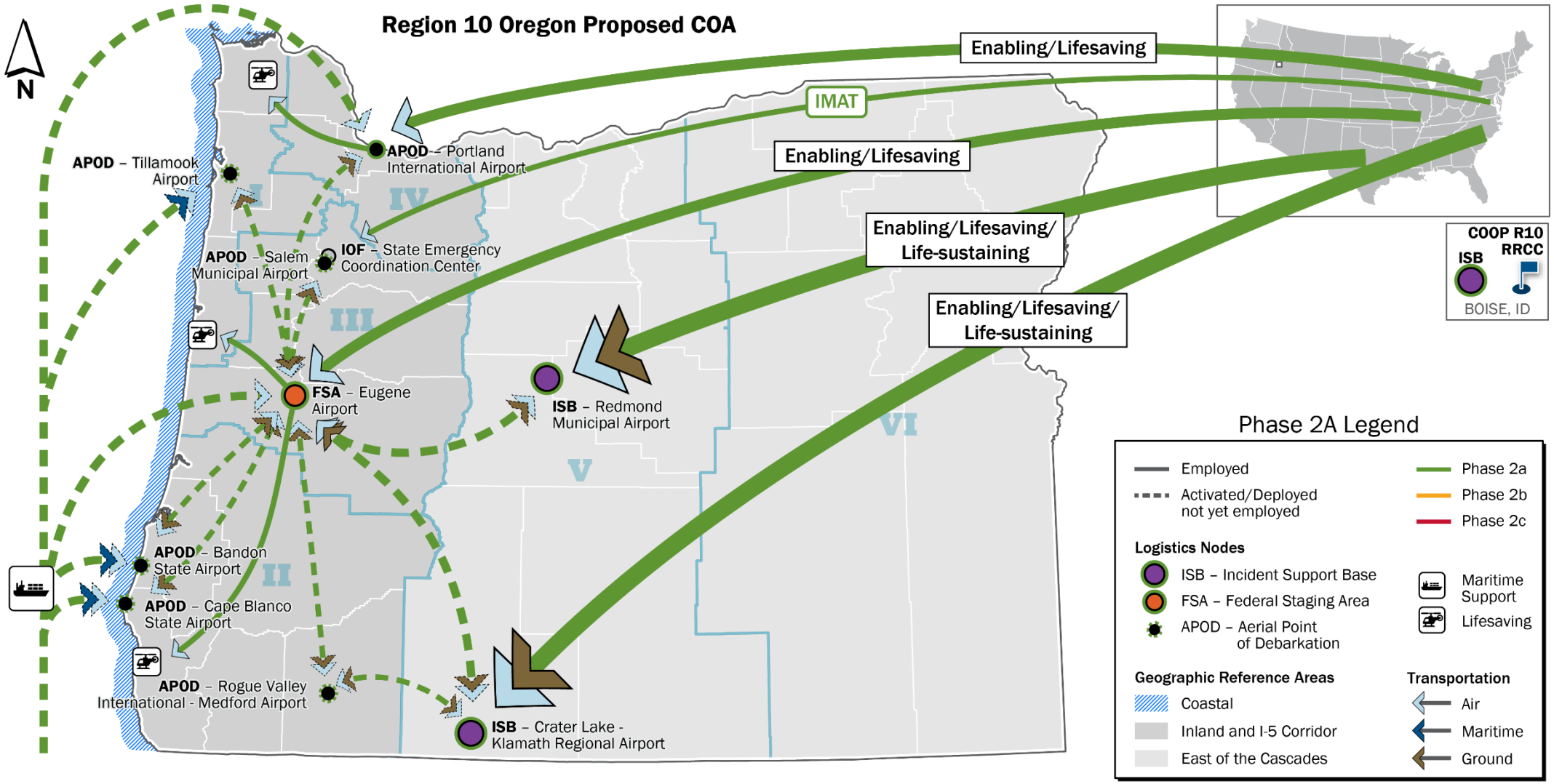
*A fuel tanker truck can hold 10,000 gallons on average.

FEMA CASCADIA QUAKE EMERGENCY SUPPLY

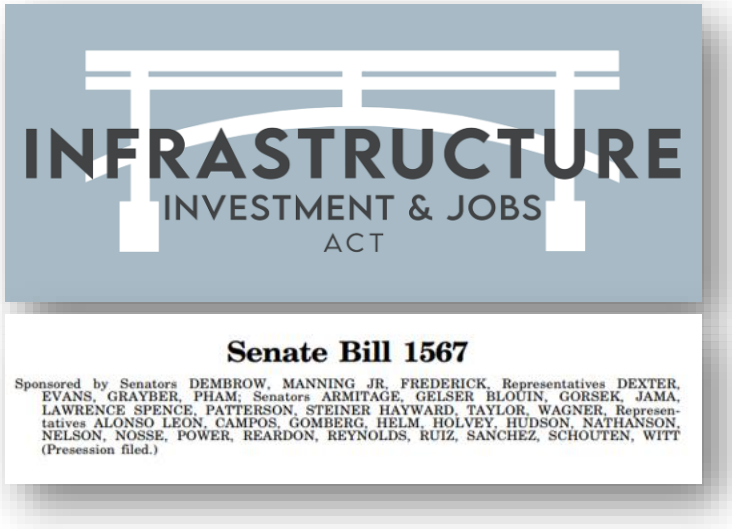


FEMA

OREGON ENERGY SECURITY PLAN

Required Contents of State Energy Security Plans

1. Address all energy resources and regulated and unregulated energy providers
2. Provide state energy profile to include an assessment of energy production, transmission, distribution, and end-use
3. Address potential hazards to the electricity, liquid fuels, and natural gas sectors (physical and cybersecurity threats and vulnerabilities)
4. Provide risk assessment of energy infrastructure and cross-sector interdependencies
5. Provide risk mitigation approach to enhance reliability and end-use resilience
6. Address Multi-state regional coordination, planning, and response



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OREGON ENERGY SECURITY PLAN

Guiding Principle

To ensure a reliable and resilient supply of energy at an affordable price – through efforts to identify, assess, and mitigate risks to energy infrastructure and to plan for, respond to, and recover from events that disrupt energy supply.

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- Presents an overview of the **state's energy infrastructure**
- **Assesses threats and hazards** that increase risk to energy infrastructure
- Proposes **mitigation measures** that the state and its partners can implement to reduce risk
- **Identifies primary threats**: natural hazards and cybersecurity
- Creates a new fuel storage analysis **GIS tool**
- Hiring new **Energy Security Manager**
- Continued **coordination** with partners
- **Coming soon!** September 30, 2024

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