Climate Adaptation at Oregon DOT

OTC Tri-State Meeting

September 1, 2026

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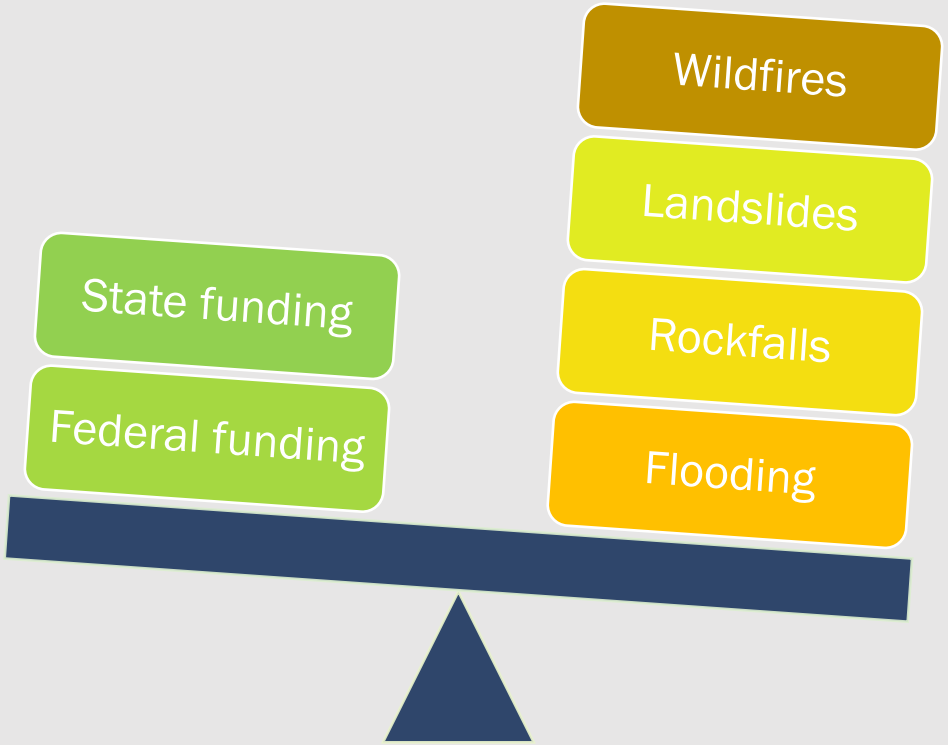
Oregon Department of Transportation

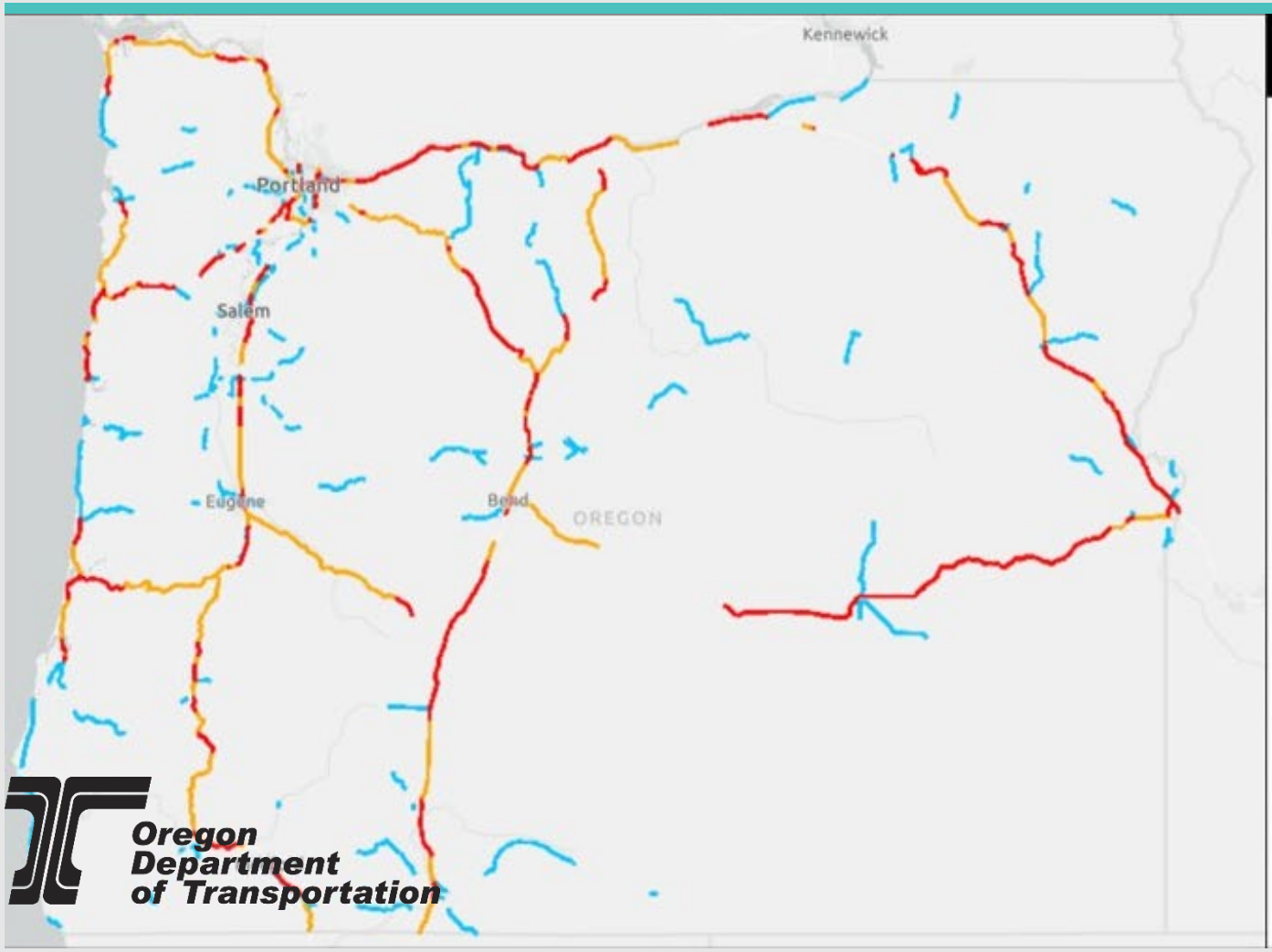
Our Challenges Exceed Our Resources

Resources

Challenges



Resilience Tier Prioritization



Legend

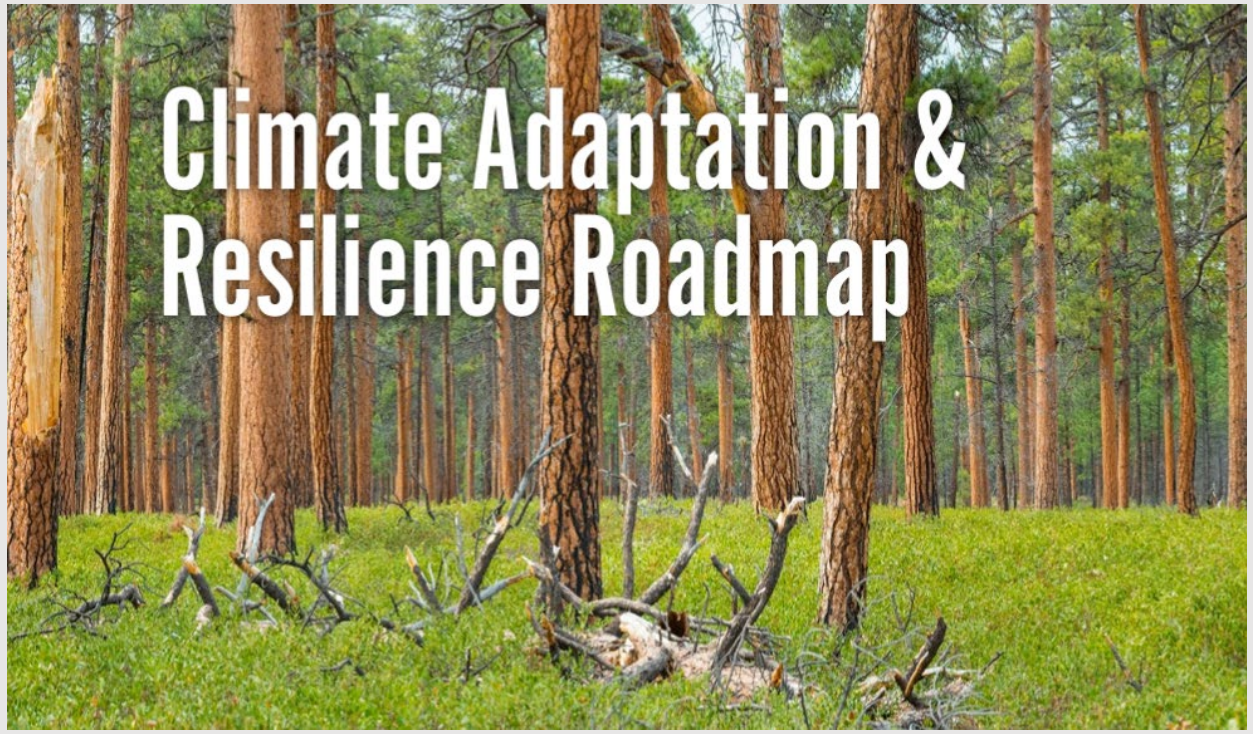
Resilience Corridors

Tier 1 — Experience the highest truck and travel flow, have the highest risk for future climate hazard impacts and are in areas with the highest levels of social disparity.

Tier 2 — Experience the highest truck and travel flow, have the highest risk for future climate hazard impacts and are in areas with lower levels of social disparity.

Tier 3 — Experience lower truck and traffic but represent corridors with the highest risk for future climate impacts and are in areas with the high levels of social disparity.

Statewide Resilience Improvement Plan

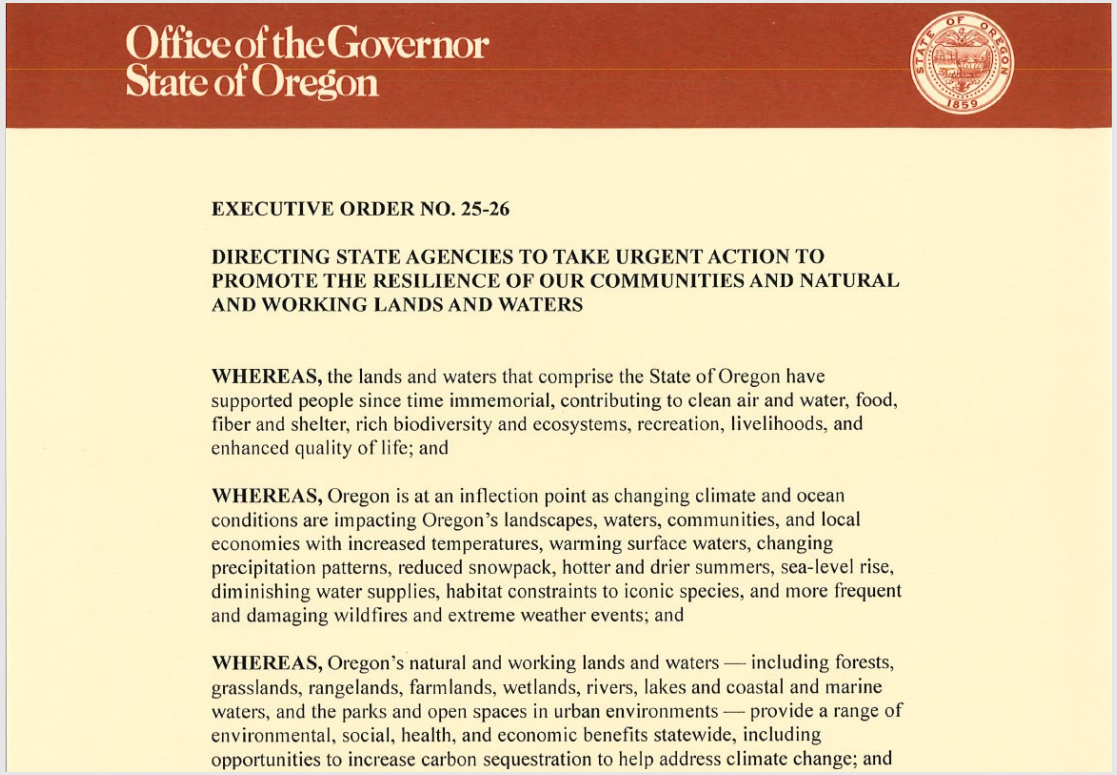


- Agency-focused guide to climate change adaptation
- Identifies *what are the risks and where are we most vulnerable?*
- Provides publicly accessible, detailed risk maps for nine Oregon-relevant hazards
- Provides agency-specific adaptation strategies and actions to improve system and agency resilience

PROTECT Formula and Grant Funds

- Oregon allocated $94M in formula funding.
  - 22 landslide, rockfall and flood resilience projects selected
  - 6 projects completed to date
- 2% formula set-aside for planning funded 11 resilience-enhancing research and pilot projects ($1.8M)
- $6M grant funds awarded for coastal flood resilience project at Butte Creek.

Executive Order 25-26



Office of the Governor
State of Oregon

EXECUTIVE ORDER NO. 25-26

DIRECTING STATE AGENCIES TO TAKE URGENT ACTION TO PROMOTE THE RESILIENCE OF OUR COMMUNITIES AND NATURAL AND WORKING LANDS AND WATERS

WHEREAS, the lands and waters that comprise the State of Oregon have supported people since time immemorial, contributing to clean air and water, food, fiber and shelter, rich biodiversity and ecosystems, recreation, livelihoods, and enhanced quality of life; and

WHEREAS, Oregon is at an inflection point as changing climate and ocean conditions are impacting Oregon's landscapes, waters, communities, and local economies with increased temperatures, warming surface waters, changing precipitation patterns, reduced snowpack, hotter and drier summers, sea-level rise, diminishing water supplies, habitat constraints to iconic species, and more frequent and damaging wildfires and extreme weather events; and

WHEREAS, Oregon's natural and working lands and waters — including forests, grasslands, rangelands, farmlands, wetlands, rivers, lakes and coastal and marine waters, and the parks and open spaces in urban environments — provide a range of environmental, social, health, and economic benefits statewide, including opportunities to increase carbon sequestration to help address climate change; and

- Ecosystem resilience& coordination across state agencies
- Goal: protect, conserve, connect or restore 10% of land in 10 years.
- ODOT developed a draft work plan with existing, supportive work.
- OTC and public input this fall to finalize work plan.

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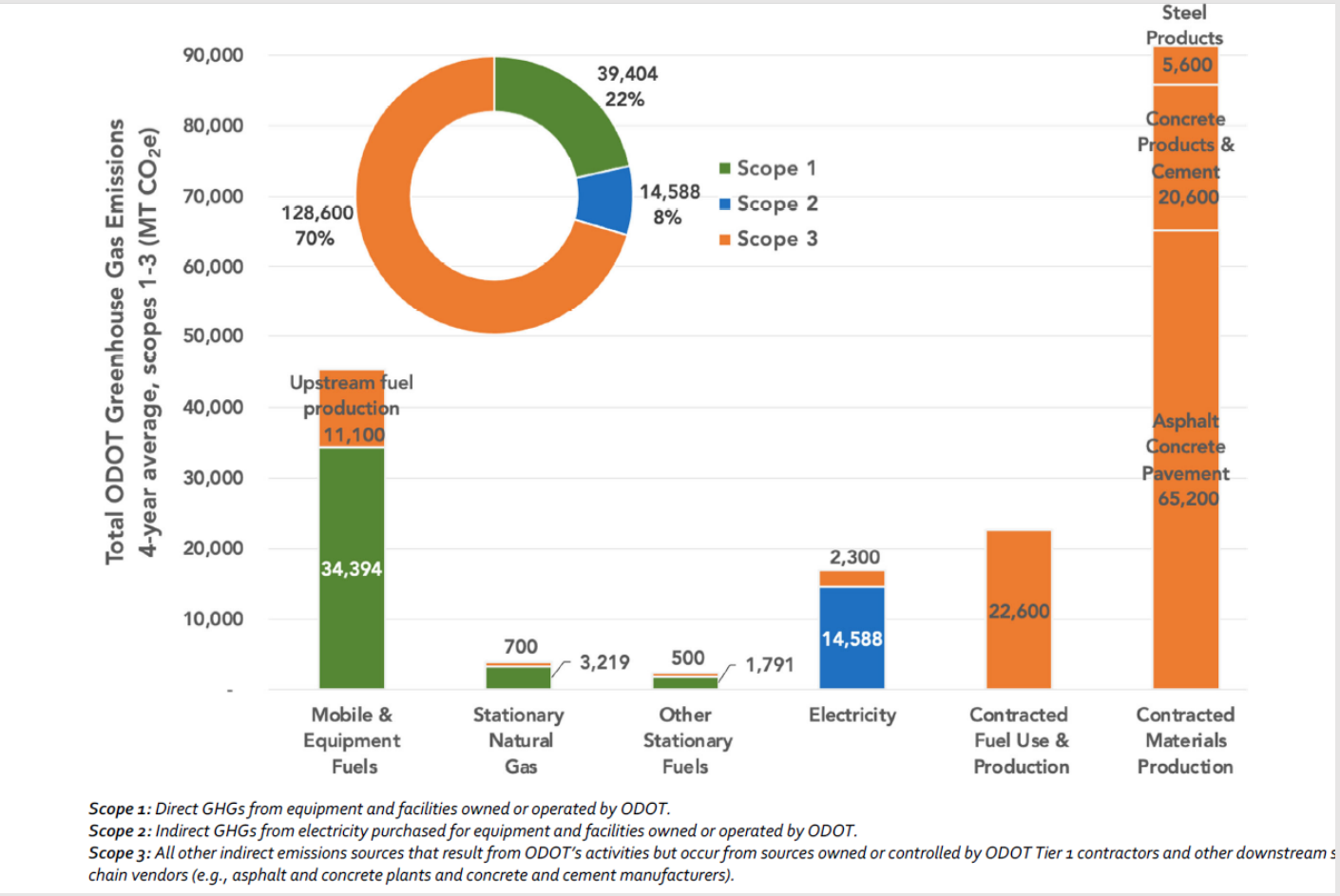
Environmental Product Declarations (EPDs)



Scope 1: *Direct GHGs from equipment and facilities owned or operated by ODOT.*
Scope 2: *Indirect GHGs from electricity purchased for equipment and facilities owned or operated by ODOT.*
Scope 3: *All other indirect emissions sources that result from ODOT's activities but occur from sources owned or controlled by ODOT Tier 1 contractors and other downstream s chain vendors (e.g., asphalt and concrete plants and concrete and cement manufacturers).*

- EPDs communicate environmental impacts of a product or material (e.g., cubic yard of concrete).
- Emissions from raw material extraction to production facility gate (e.g., type of fuel, transportation distances and mode, material constituents like reclaimed asphalt).
- Steel, concrete and asphalt materials make up 70% of ODOT's internally-generated greenhouse gas emissions.

Legislative Requirements

House Bill 4139 (2022)

- Requires ODOT to set up a “program for GHG reductions.”
- The agency to collect EPDs on asphalt, concrete and steel.
- Perform life cycle assessments.

➔ ODOT to devise strategies for reducing GHG emissions.

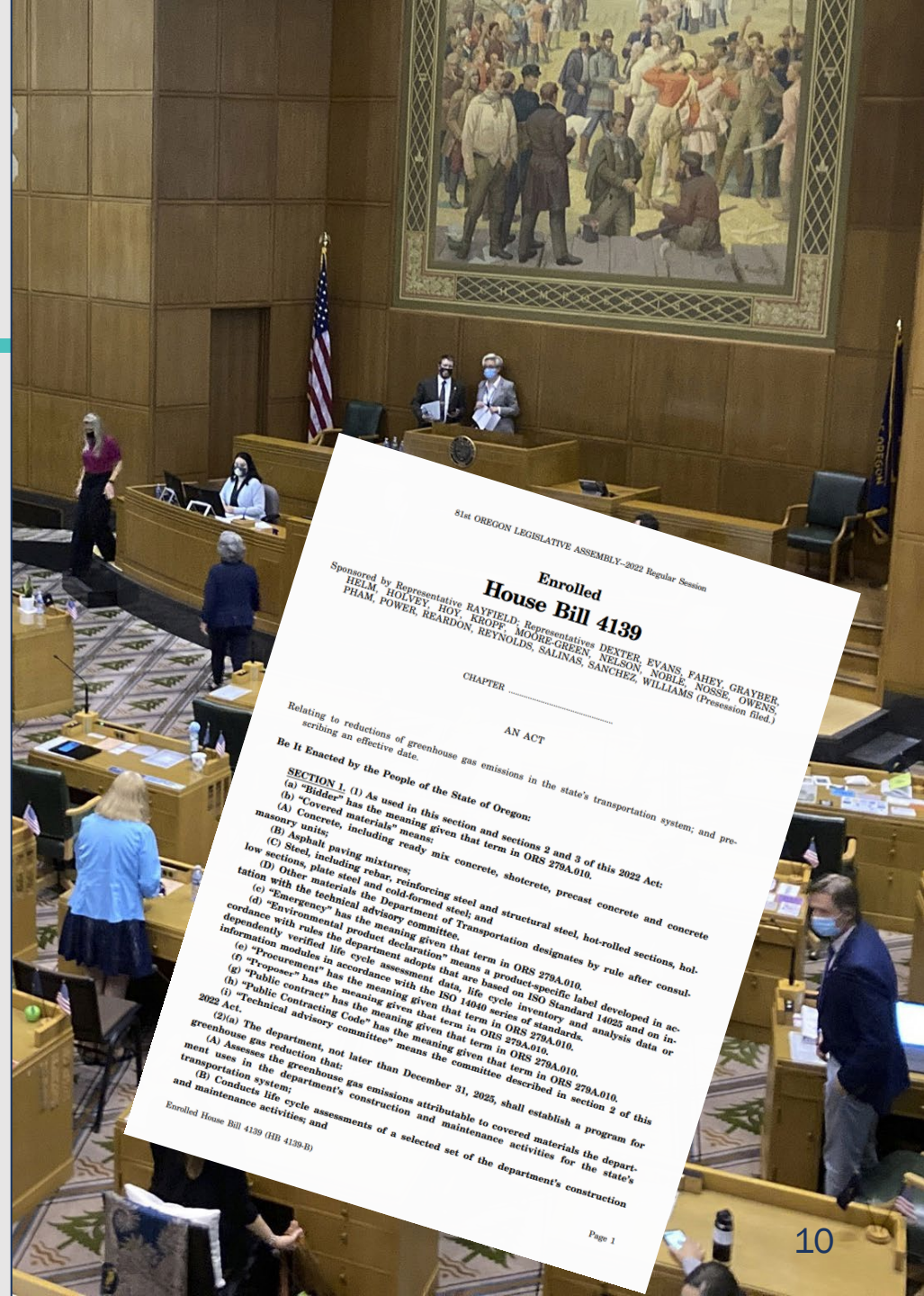


Photo credit: NBC News

Oregon's EPD Program

Eligible Projects

- EPD submittal required on Construction or Maintenance contracts with estimated value of $3M or greater
- Not required on emergency contracts or for small quantities of materials
- Submittal of EPDs on covered materials are required as of January 1, 2026
- As of May 2026, 10 projects required EPD submittals (22 EPDs collected to date)

Thank You

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