

Update on sustainable goods movement federal grant activities



Portland Freight Advisory Committee | August 1, 2024

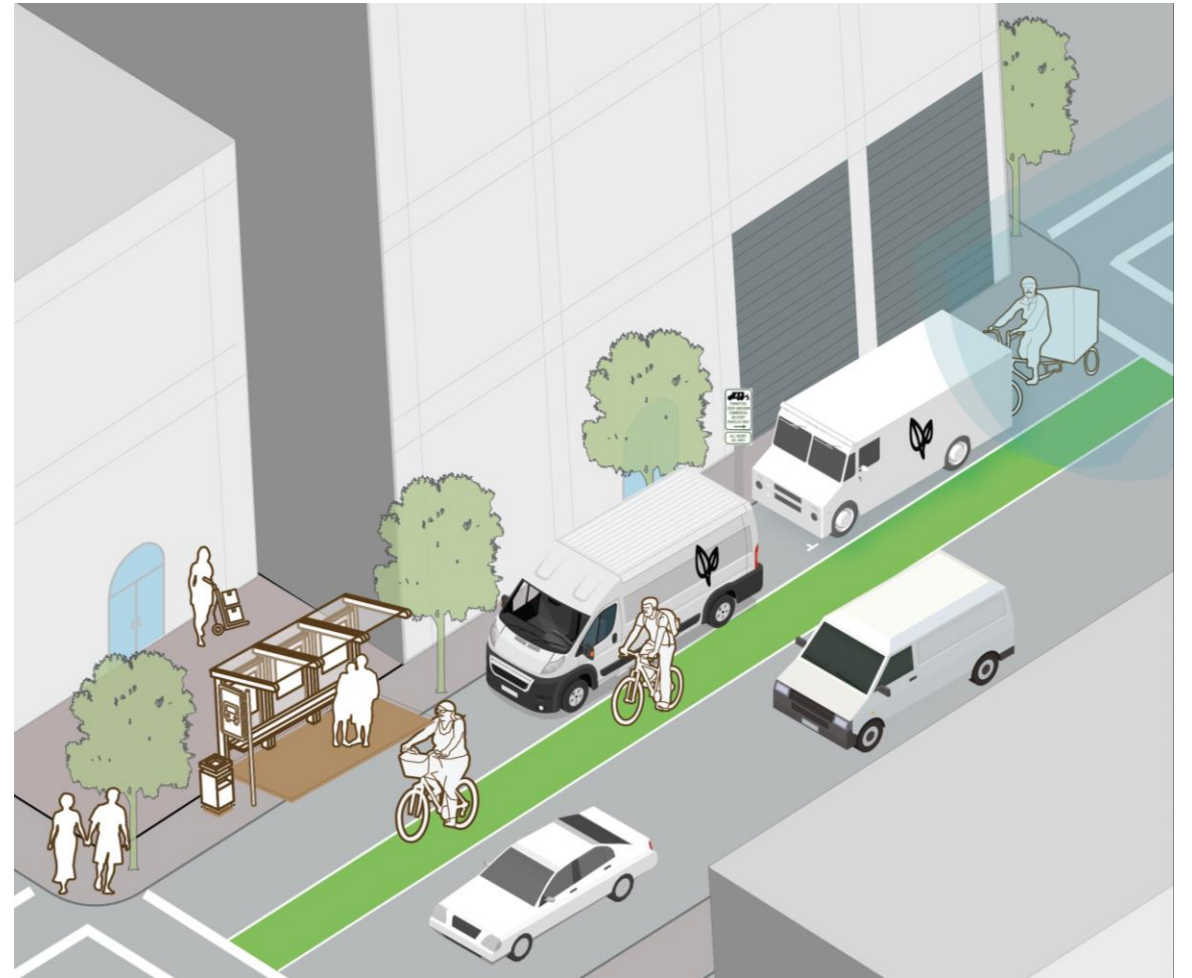
Jacob Sherman, PBOT



PBOT
PORTLAND BUREAU OF TRANSPORTATION

Overview

- Federal funding update
- Overview of Stage 2 SMART grant application
- Questions and discussion





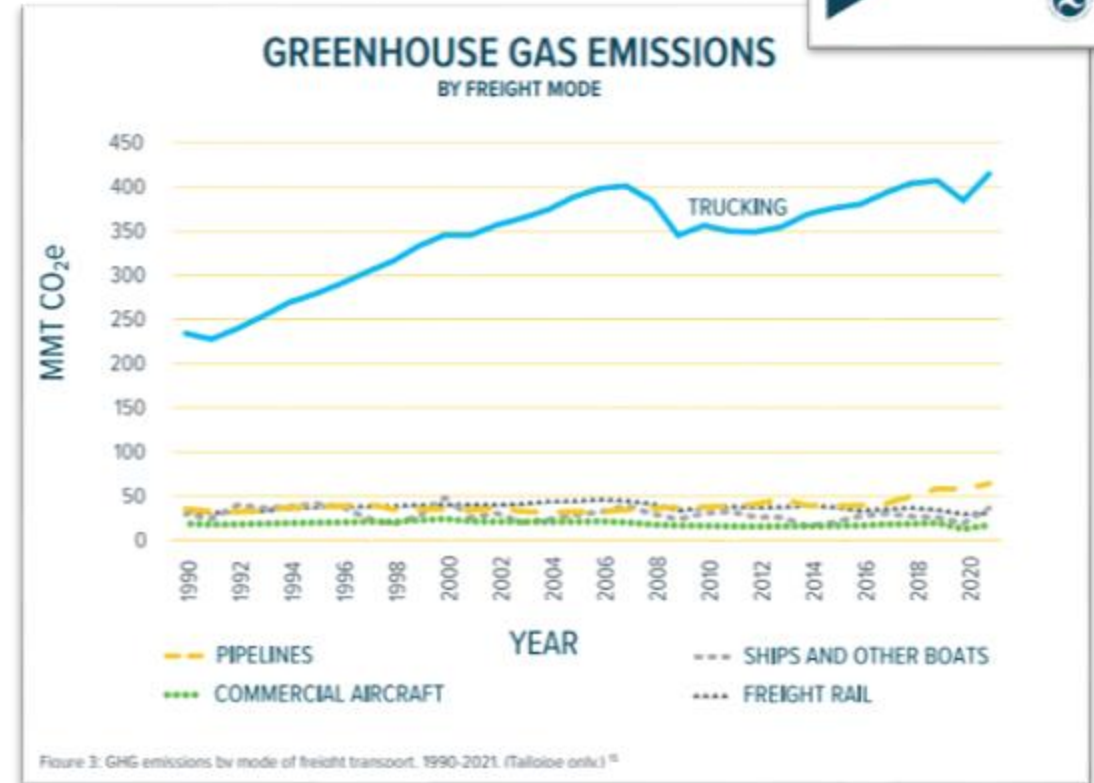
Federal funding update

DOT Report to Congress: Decarbonizing U.S. Transportation



"Climate change impacts are projected to worsen, and inaction would result in substantial costs. These include a \$2.2 trillion annual loss in Federal revenue [...] and a reduction in the growth potential in U.S. GDP of 10 percent by 2100.

In response, **DOT has committed to rapidly decarbonizing the transportation sector** while achieving a clean, safe, secure, accessible, affordable, and equitable transportation system for everyone."



Oregon won significant funding to support industry transformation

- Last week Oregon DEQ won \$200M EPA Climate Pollution Reduction Grant. Includes:
 - \$14M for MD/HD vehicle rebates
 - \$6M for "scrap and replace" style program
- This is in addition to \$3M for MD/HD rebates from HB 3409

In The News [Durkee Fire grows](#) [New parents program](#) [Roadkill study](#) [Opioid treatment funds](#) [Bend High audit](#)

Oregon awarded nearly \$200M in federal funding to boost climate action programs

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By [Monica Samayoa](#) (OPB)
July 22, 2024 5:05 p.m.

Oregon is set to receive nearly \$200 million to boost efforts to lower greenhouse gas emissions from the state's biggest sectors.

On Monday, [the U.S. Environmental Protection Agency awarded Oregon](#) \$197,181,796 over the next five years through its Climate Pollution Reduction Grant program.

"We're funding projects that reduce exposure to extreme heat, improve air quality, reduce energy costs burdens for lower income households and improve climate resilience," EPA Regional Administrator Casey Sixkiller said.

At a press conference in Southeast Portland Monday, Oregon Gov. Tina Kotek applauded the coordination that resulted in the EPA announcement and said the investment will help ensure that the state meets its climate goals.

PBOT submitted Joint Office grant to support industry decarbonization

- City's \$5.6M grant focused on address barriers to zero-emission delivery zones:
 - Create a technical assistance and rebate program for businesses to convert to ZEVs & buy chargers
 - Support e-cargo bike logistics
 - Support site planning for MD/HD charging depot with Prologis
- Proposal informed by City's stakeholder outreach from Stage 1 SMART grant





Stage 2 grant concept

USDOT Strengthening Mobility & Revolutionizing Transportation (SMART) Grant

Federal discretionary grant program

- \$100 million appropriated for 2022-2026

Two stages of awards

- **Stage 1: Planning and Prototyping**, in progress
- **Stage 2: Implementation**, 3-year projects, up to \$15M, requires new application
 - Due August 14, 2024

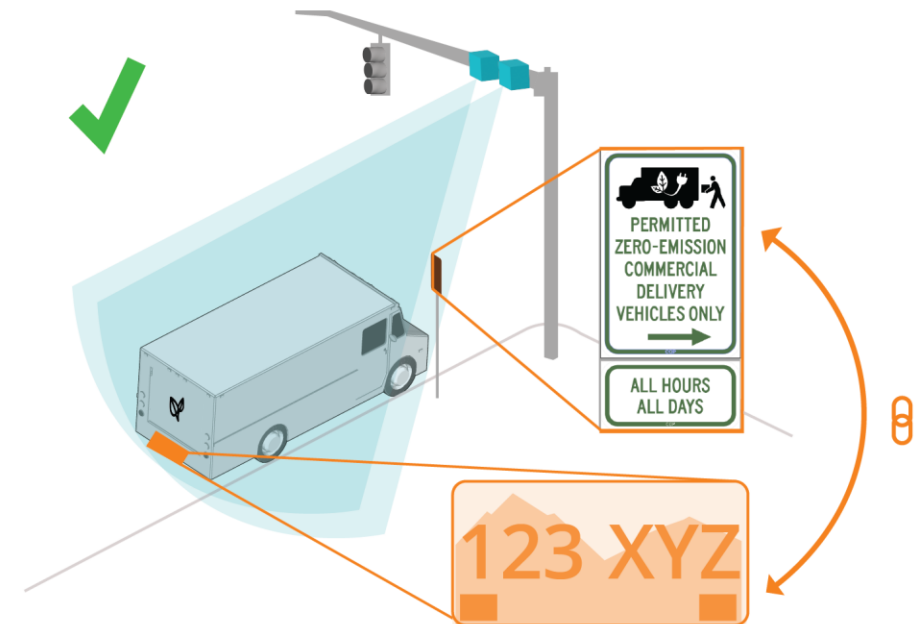
Stage 2 details from USDOT

1. Build on pilot learnings
2. Implement prototype concepts at greater scale over 3-years
3. Demonstrate and evaluate outcomes



Testing how a combination of incentives *and* regulations may change behavior

- **Curb management:** How can strategies, like zero emission delivery loading zones, help freight companies justify transitioning their fleets to zero-emission vehicles?
- **Technology:** How might parking sensors and other digital curb technologies help the City gain an improved understanding of curb use and inform potential changes to improve efficiency?
- **Partnerships:** How might public- and private-sector businesses in downtown Portland be willing to change their purchasing or delivery decisions to incentivize freight companies to transition their fleets to zero-emission vehicles?

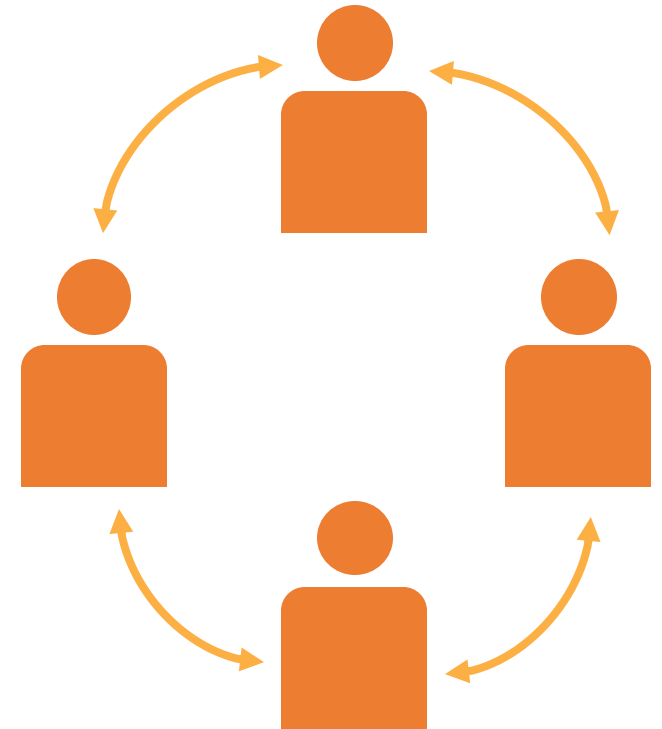


Allowed in ZEDZ:

- Permitted vehicle detected via license plate

Outreach summary

- Presented at PFC three times since Stage 1 project initiation
- Engaged over 40 companies/stakeholders during public involvement phase, including:
 - Major U.S. delivery companies
 - Local delivery companies and curb users
 - Local businesses buying goods
 - County and federal offices
 - Portlanders living near distribution centers and transportation advocates



Stage 1 outreach, learning, & project progress informs Stage 2 proposal

- **Stage 1 feedback:**
 - Extent of regulated zone
 - Duration of zone
- **Stage 2 proposal:**
 - Planning and public involvement to re-establish the Zero-Emission Delivery Zone
 - Consider changes to geography and extend duration
 - Continue to use technology to assess outcomes



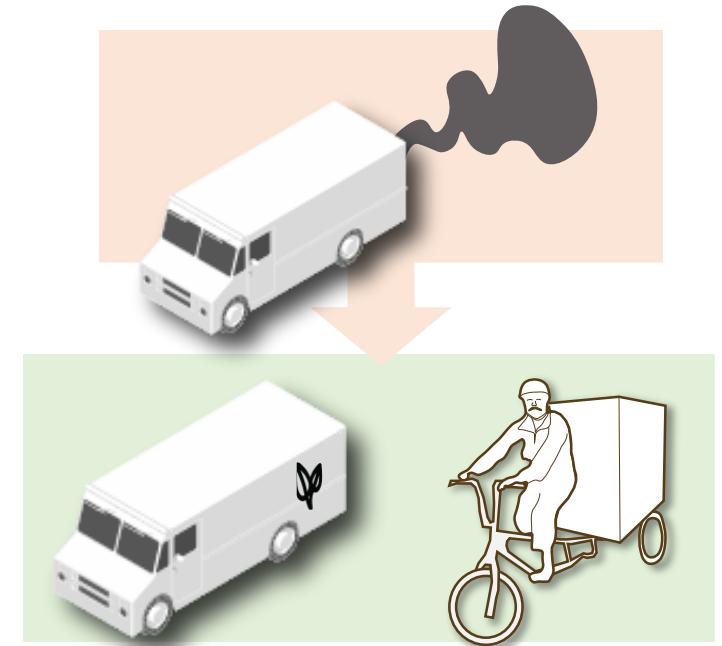
Stage 1 outreach, learning, & project progress informs Stage 2 proposal

- **Stage 1 feedback:**

- Technologies -- like renewable diesel and clean diesel filters -- are available at lower costs than ZEV
- Portlanders want air quality benefits and emission reductions around the entire city
- Some locations may not make sense for ZEDZs

- **Stage 2 proposal:**

- Planning and public involvement to pilot "Green Loading Zone" spots for low- and zero-emission vehicles around the city.



Stage 1 outreach, learning, & project progress informs Stage 2 proposal

- **Stage 1 feedback:**

- Major compliance issues in Truck Loading Zones
- Loading Zones not available for intended use; challenges with City Code
- Peer cities use permits to better manage LZs

- **Stage 2 proposal:**

- Planning and public/industry involvement to assess viability of Commercial Vehicle Loading Zone permit program.



PBOT Stage 2 Proposal

- Zero emission zone
- Dispersed green loading zones
- Planning and program development for a commercial vehicle loading zone access permit
- All aspects include business and delivery company engagement on policy and technology adoption





Questions and discussion

Questions for PFC

- How would PFC like to be engaged in planning and public involvement activities, if project is awarded?
- Are there areas that you want to ensure flexibility to refine if the grant is awarded?
- Does PFC have suggestions on partners the City may want to approach?



Visit the project website at Portland.gov/Transportation/Planning/Zero-Emission-Delivery