

Unleaded AvGas Discovery Session

February 28, 2024

Port of Portland

Group Agreements

1. W.A.I.T
2. Expect and Accept non-closure
3. Focus on personal, local and immediate
4. Listen to understand rather than to respond
5. Others?

Agenda

- Hillsboro Airport Overview
- AvGas Regulations
- Port of Portland Updates
- Roles & Responsibilities
- Goals Moving Forward

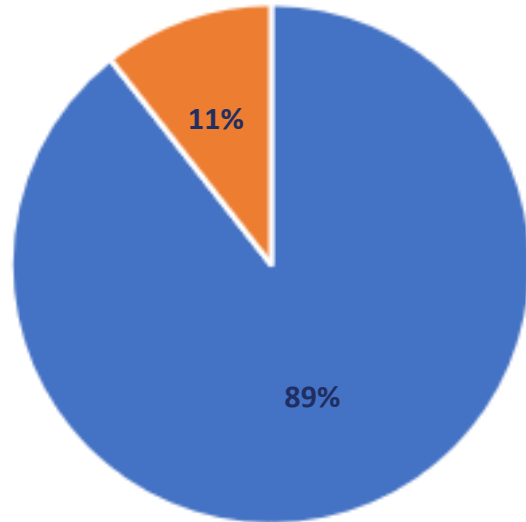


Hillsboro Airport Aircraft



Hillsboro Airport Fuel Consumption

Aviation Fuel Consumption



■ Annual Average Jet A (gallons) ■ Annual Average AvGas 100LL Consumption (gallons)

Business Jets

- 89% of fuel consumption
- Jet A (unleaded)
- Travel longer distances
- Target: sustainable aviation fuel

Piston Aircraft

- 11% of fuel consumption
- Leaded AvGas
- Frequent, localized flight patterns
- Target: unleaded AvGas

AvGas Regulations

- 2014, FAA's Piston Aircraft Fuel Initiative (PAFI)
 - Evaluate candidate-unleaded fuels to replace approved leaded gasoline
- 2022, FAA's Eliminate Aviation Gasoline Lead Emissions (EAGLE) Initiative
 - Target: universal fleet solution by 2030
 - Pathways to new unleaded fuels:
 - FAA fleet authorization
 - Individual Aircraft Supplemental Type Certification (STC)



AvGas Regulations

- 2023, EPA issued an Endangerment Finding
 - Lead emissions from aircraft engines cause or contribute to air pollution which may reasonably be anticipated to endanger public health and welfare under the Clean Air Act.
 - Will result in regulatory standards but does not ban or restrict use, sale, distribution, or availability at this time

Although lead emissions from Hillsboro Airport remain well below regulatory thresholds, the Port of Portland is committed to working towards an accelerated transition to unleaded AvGas state-wide.

Port of Portland Mission & Guiding Principles

Mission:

Build shared prosperity for the region through travel, trade, and economic development.

Guiding Principles:

- Environmental Leadership
- Equity
- Financial Responsibility
- Safety



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Port Actions to Date

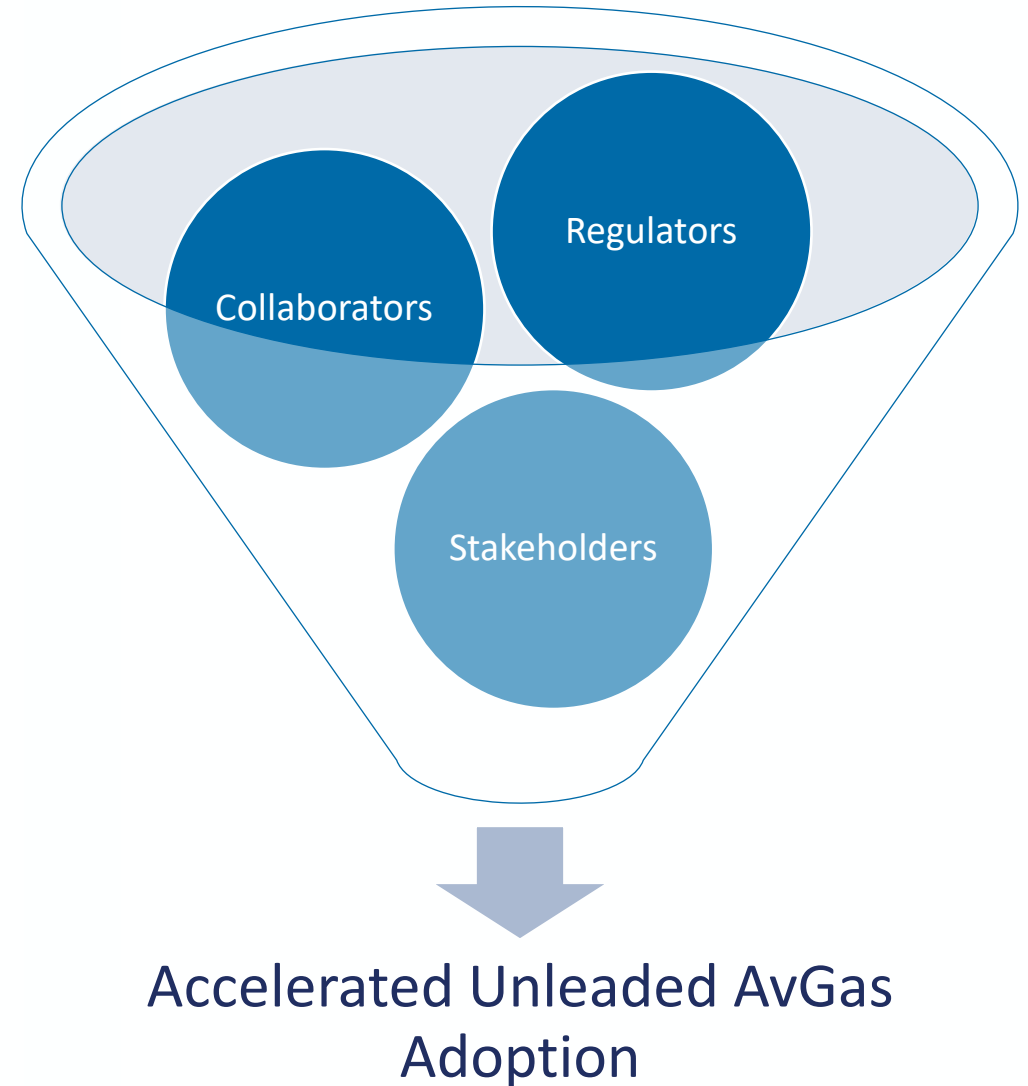
- 2016, funded Washington County Public Health Department white paper
- 2022, FAA's Eliminate Aviation Gasoline Lead Emissions (EAGLE) Initiative
 - Founding member, Supply Chain Infrastructure & Deployment Steering Group
- 2023, feasibility study for providing unleaded AvGas in the near-term
 - Not all aircraft that use Port facilities can use unleaded fuels
 - Each plane requires certification by a designated mechanic to use new fuels, which adds costs and time/effort.
 - Limited-duration financial incentives may be necessary to overcome cost and certification requirement barriers
- 2023, verified option to refurbish an existing fuel tank for unleaded AvGas once FBOs and pilots are ready to transition

Port Actions to Date

- On-going engagement with unleaded fuel producers to understand availability and costs
 - Since 2016: Swift Fuels
 - Since 2022: GAMI Fuels
- 2024 Roundtable Series to engage with community members on a shared vision for accelerating the transition to unleaded AvGas statewide

Roles & Responsibilities

- **Regulators**
 - Federal Aviation Administration (FAA)
 - Environmental Protection Agency (EPA)
- **Collaborators**
 - Port of Portland (convener)
 - Fuel Producers, Suppliers & Distributors
 - Fixed Base Operators
 - Pilots
 - State Aviation Board
 - Oregon Department of Aviation
- **Interested Stakeholders**
 - Community Members and Neighbors
 - City of Hillsboro
 - Washington County Public Health
 - Others TBD



Goals Moving Forward

- Host a Roundtable Series in 2024
 - Number of sessions and agendas informed by feedback provided today
 - Roundtables will be working sessions with a group of dedicated stakeholders and collaborators
 - Focused on advancing a state-wide approach

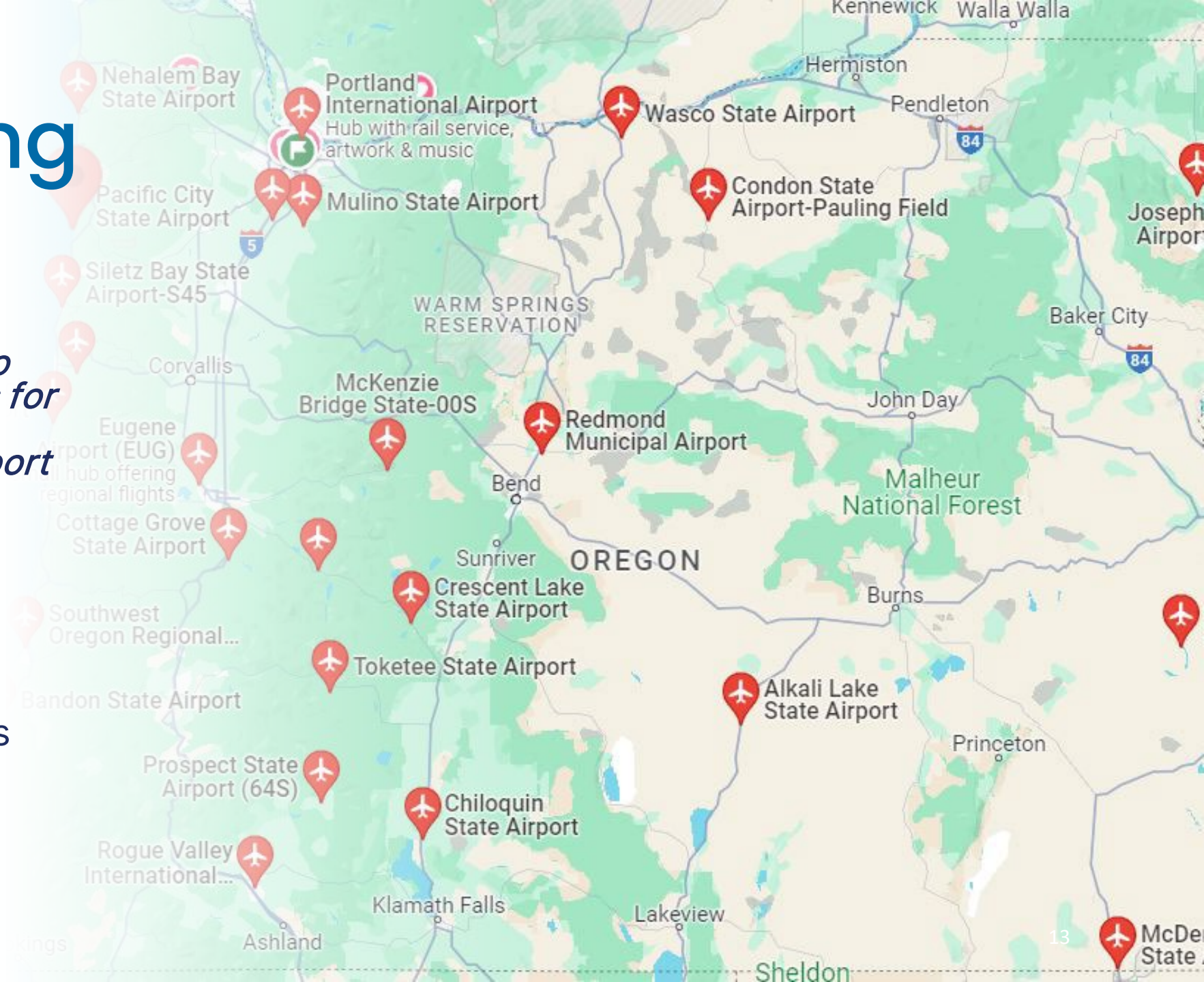


Goals Moving Forward

The Port is committed to procuring unleaded AvGas for our facilities, and we acknowledge that one airport alone will not deliver a meaningful change.

Vision for broader collaboration:

- Accessible to all airports
- Strategies to accelerate transition sooner than FAA's 2030 timeline



Q+A

What did you learn that was new?

What clarifying questions do you have?

Mapping the Future

Based on what you heard here today:

- What is our collective authority, skill and influence?
- Where are our opportunities to problem solve collaboratively?
- Who is missing from the conversation?
- What information do we still need?



Next Steps

- Future Roundtables
- Web Updates
- Questions?

Email us at unleadedavgas@portofportland.com