Planning for An Automated Future: Five Steps to Make New Mobility Technology Work for Us

Peter Hurley, Portland Bureau of Transportation
Federal Role
- Vehicle safety testing and certification
- Funding for state and local V2I and pilot projects

State Role
- Vehicle (AV) Registration
- AV operations on state roads
- Funding for V2I and pilot projects
Regional Role

- Coordination & Information
- Funding for state and local V2I and pilot projects

Local Role

- Innovate Labs: Collaborate to test strategies to advance outcomes, e.g. Vision Zero, equitable access
- Manage infrastructure & technologies to support vibrant land uses
- Service provision: direct and contract
Five Steps to Make Technology Work for Us

- Evaluate & Refine
- Engage
- Agreements & Rules
- Clear Policy
- Pilot Projects & Services
- Outcomes
1. Five Steps to Make Technology Work for Us

- Identify shared community values
- Support other plans
  - Portland Comp Plan
  - Climate Action Plan
2. Five Steps to Make Technology Work for Us

Clear Policy

Outcomes

Zero deaths, zero serious injuries
Improve equitable access
Cut congestion & climate pollution
Support great places
2. Five Steps to Make Technology Work for Us

Tools
• Manage assets for outcomes
• Price: reward efficiency
• Prioritize access
Policy: Prioritize

- Fleet
- Autonomous Vehicles
- Electric & Shared

Priority:
- Walking
- Bicycling
- Transit
- FAVES
- Other shared
- No & low
3. Five Steps to Make Technology Work for Us

Obey local traffic laws
Enter into agreement with City
Sufficient data to inform decisions
Incentives & Disincentives
4. Five Steps to Make Technology Work for Us

Pilot Projects & Services

Request for Information
Testing
Evaluation framework
5. Five Steps to Make Technology Work for Us

Evaluate & Refine

- Report results
- Refine incentives & disincentives
- Establish regular evaluation cycle
- Make evidence-based decisions
Zero deaths, zero serious injuries
Lower poverty rates
Less congestion & climate pollution
Vibrant cities