Day 2: U.S. DOT FHWA
Pooled Fund Workshop

Tools for Implementing Alternative Fuel Corridors

Organized by

[Logos]
Alternative Fuels Pooled Fund

• Pooled Fund Goals: Implement 6 workshops to assist State DOTs and MPO’s interested in accelerating the use of alternative fuels/vehicles and associated infrastructure

• Participating State DOTs: CA, OR, WA, NY, VT, CT, NC and TX

• Administration:
  – ODOT is leading effort with FHWA as technical liaison

• Workshops:
  – EV Infrastructure Corridor Development Workshop: Lessons Learned from the West Coast Experience – held July 28, 2015 in Portland, OR
  – Accelerating AFV Deployment with Innovative Finance Mechanisms - held February 22, 2016 in Washington DC
  – Accelerating AFV Use in State DOT Fleets – April 18, 2016 in Austin, TX
  – Alternative Fuels for Clean Freight Corridors – November 4, 2016 in Troy, NY
  – Best Practices and Emerging Technologies from California – Winter of 2017 in California
  – State DOT Role in Zero Emissions Vehicle (ZEV) MOU Implementation – Spring of 2017 in Northeast

• Web site: http://www.altfueltoolkit.org
Objective: identify opportunities for state transportation agencies to support greater use of alternative fuels in goods movement along corridors in the Northeast.

Key questions:

- Who are the key public and private stakeholders to engage on a clean corridor project?
- What fuels and technologies are most suitable for different transportation modes considering near-term market conditions?
- What funding strategies are available to implement clean corridors?

Outcomes: create an online toolkit to aid transportation agencies with implementing clean freight corridors.
Workshop Participants by Category

- **Energy**
  - 9 participants

- **Environment**
  - 11 participants

- **Fuel/Engine/Infrastructure**
  - 15 participants

- **Nonprofit/Academic/Other**
  - 14 participants

- **Railroad**
  - 1 participant

- **Port**
  - 1 participant

- **Transportation**
  - 7 participants

- **Trucking**
  - 0 participants
Public Officials by Type
AFV Pooled Fund Website
Resource for DOTs and MPOs

- Available at http://www.altfueltoolkit.org
- AFV Planning Guide
  - Action-oriented guide to help state and regional transportation agencies navigate the stages of engagement on AFVs
- One toolkit for each workshop
- Each toolkit contains:
  - Resource library
  - Workshop summary report and presentations
  - Materials tailored for each workshop, such as fact sheets on AFV legislation
Suggested Clean Corridor Toolkit Elements

- Resource Library
- Factsheets or Templates
- Data Dashboards with Maps
Data Dashboard Example: Public Charging Stations

- Level 2 charging widely available
- Charging access increasing but many areas still inaccessible with public charging
- Age of current infrastructure largely unknown
Data Dashboard Example: Public Charging Stations

• Level 2 charging makes up 85% of charging access
  • 9% of ports installed since January 2015
• DC fast charging growing rapidly
  • 35% of ports installed since January 2015
• Most stations are on a known charging network
Hiding known installation date reveals age of most charging stations is unknown
  - Mostly from ChargePoint network

Installation date critical for planning upgrades and equipment replacement