



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

Tools for Implementing Alternative Fuel Corridors

Organized by



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
 - Consultant Support : The Cadmus Group, Atlas Public Policy, and the Vermont Energy Investment Corporation
- 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>

Workshop Objective

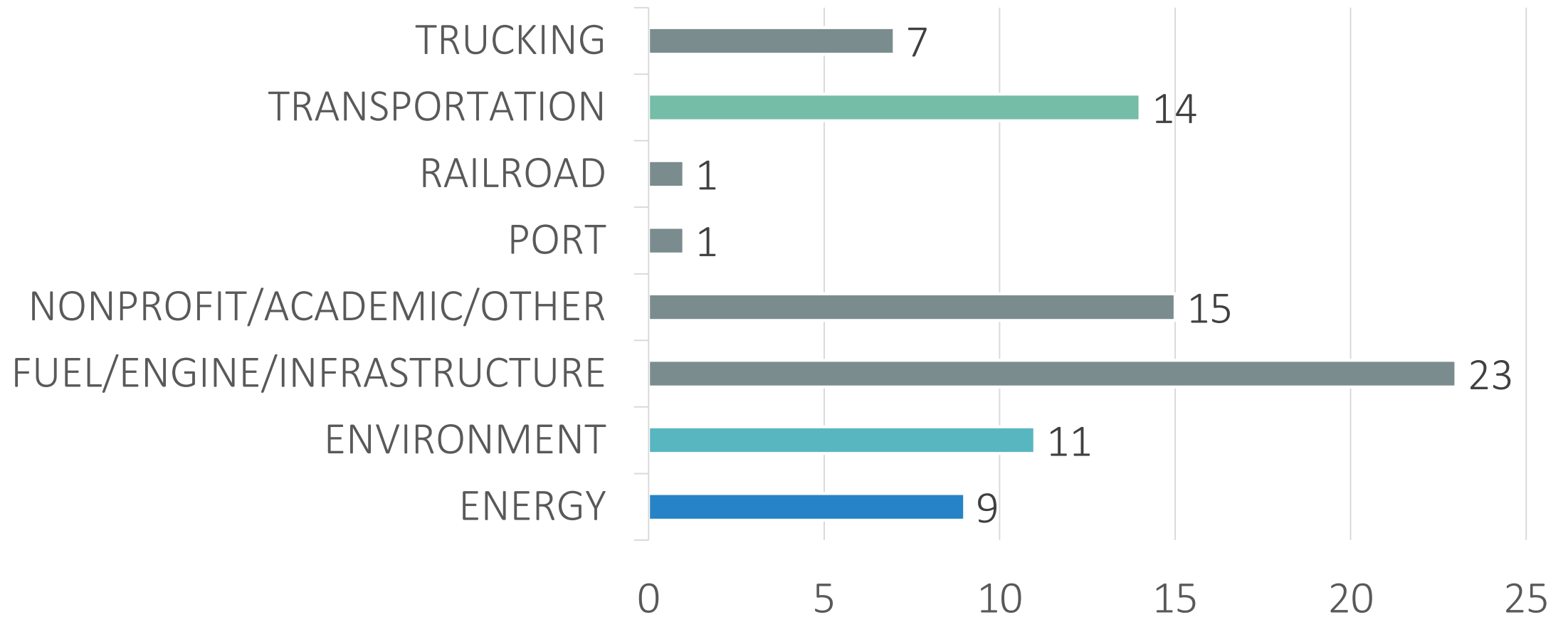
Objective: identify opportunities for state transportation agencies to support greater use of alternative fuels in goods movement along corridors in the Northeast.

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



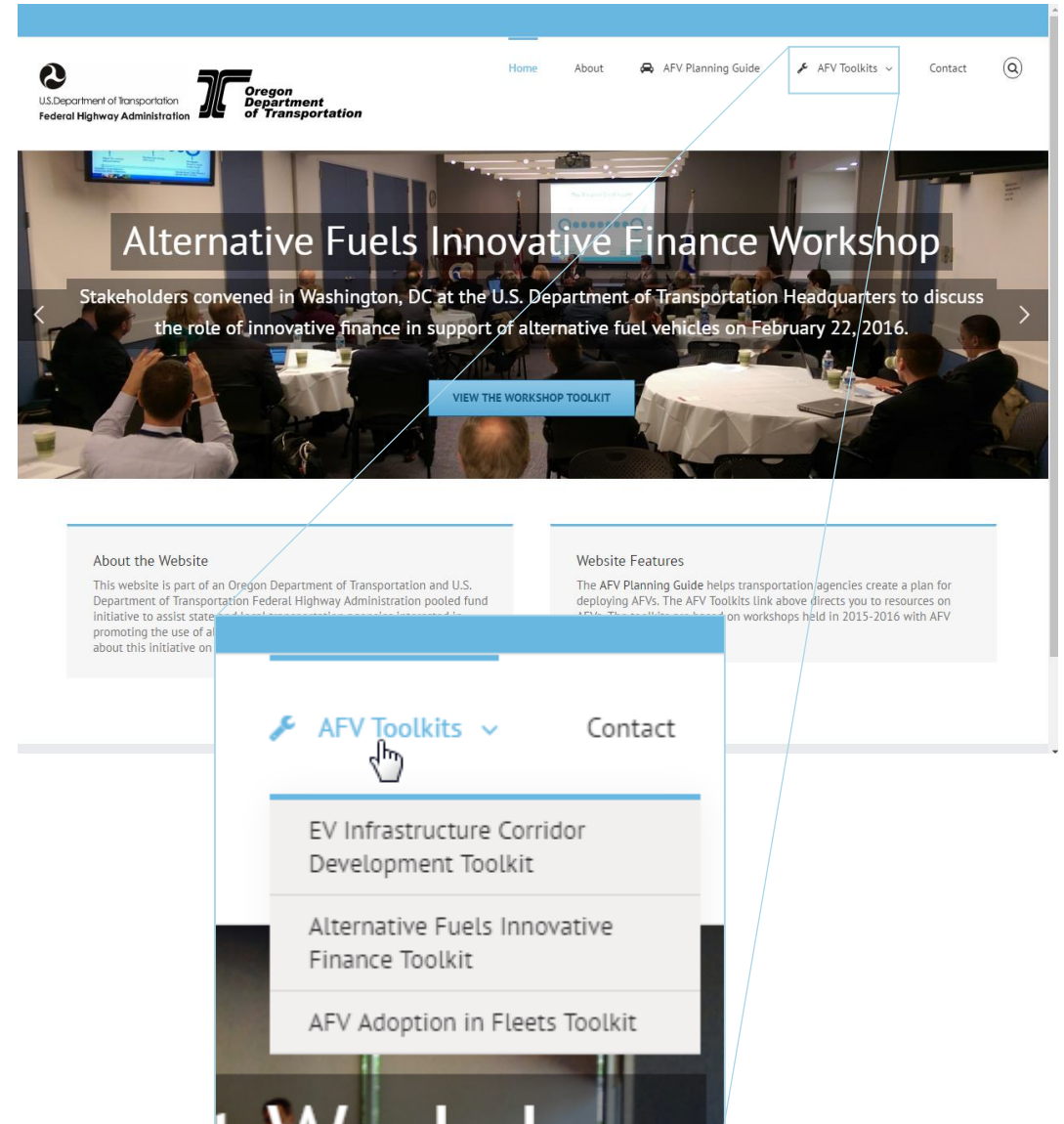
Public Officials by Type

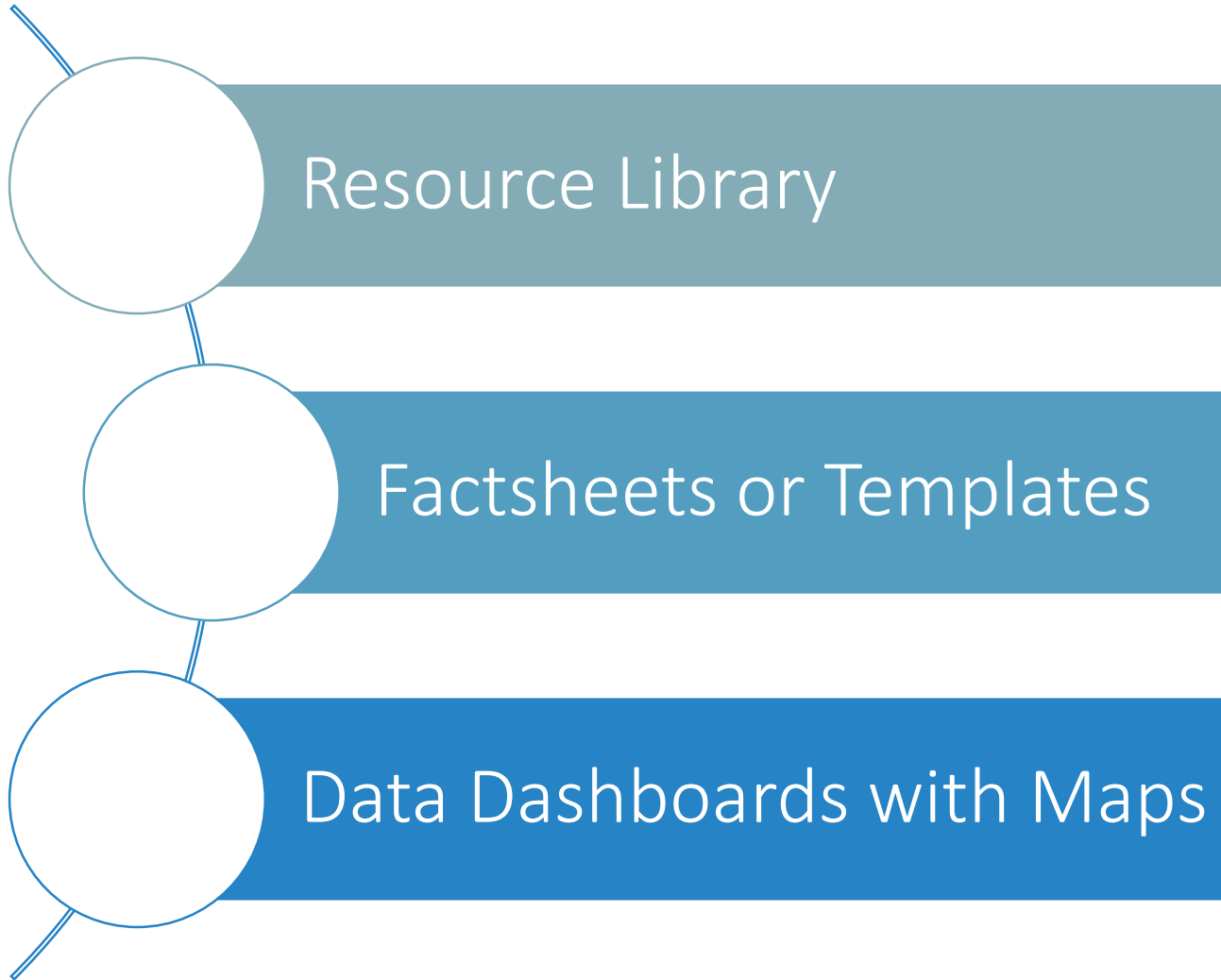


AFV Pooled Fund Website

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



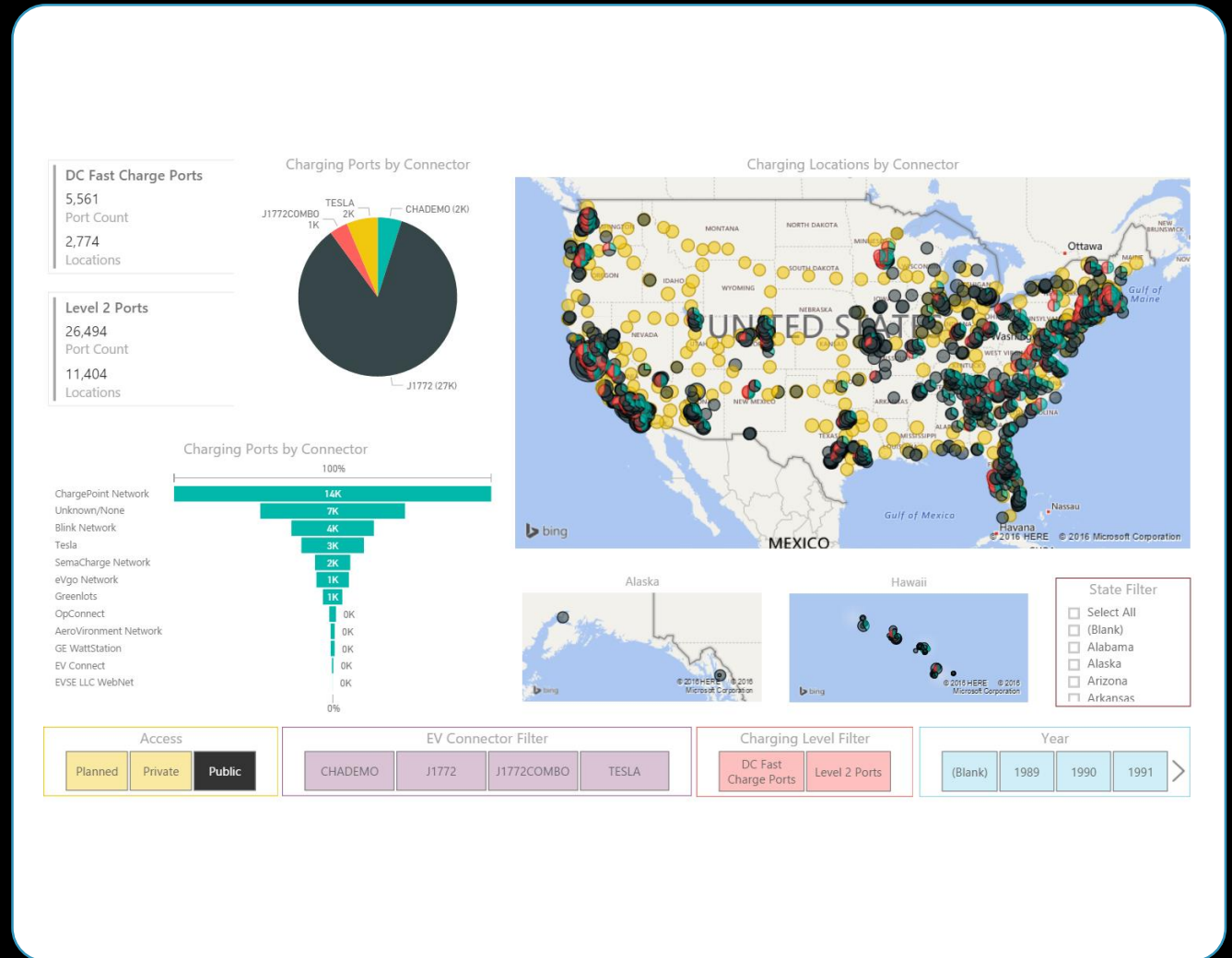


Suggested Clean Corridor Toolkit Elements

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

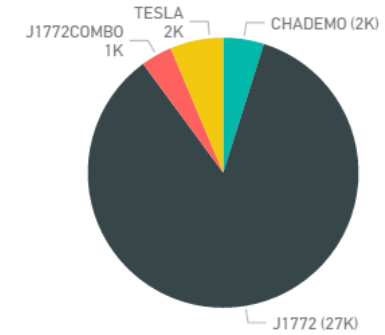
DC Fast Charge Ports

5,561
Port Count
2,774
Locations

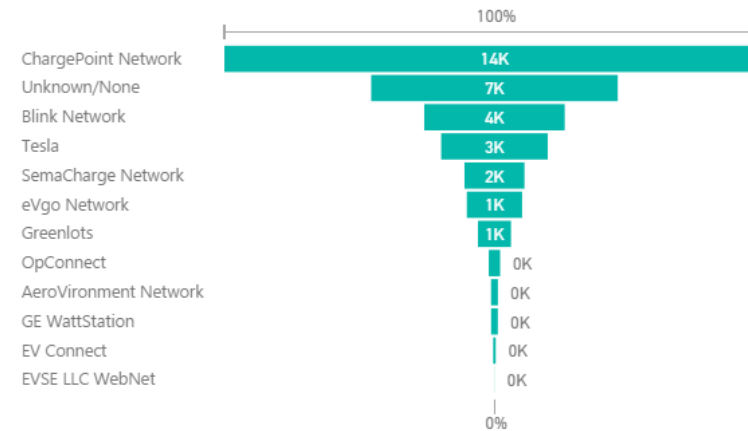
Level 2 Ports

26,494
Port Count
11,404
Locations

Charging Ports by Connector



Charging Ports by Connector



Data Dashboard

Example: Public Charging Stations

- 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

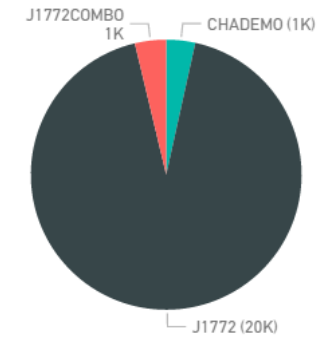
DC Fast Charge Ports

1,918
Port Count
1,384
Locations

Level 2 Ports

19,478
Port Count
7,806
Locations

Charging Ports by Connector



Charging Ports by Connector

