Incentivizing Infrastructure Along Alternative Fuel Corridors

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Northeast Diesel and West Coast Collaboratives are promoting corridors for Medium – and Heavy-Duty Alternative Fuel Vehicles

- Regional Multistate Public and Private Partnerships
- Discuss Regional Air Quality & Transportation Priorities
- Facilitate Educational Webinars on Advanced Techs
- Evaluate Opportunities for Infrastructure Development
- Explore State, Federal and Private Funding Sources
- Develop Roadmaps to “Fill in the Infrastructure Gap”
- Regularly Convene Partners to Evaluate Progress
MHD Infrastructure Corridor Planning
2 Similar Studies, Different Methods

**EPA WCC-AFICC**
- Stakeholder-led (Public/Private)
- Evaluated for EV, H2, LPG, & NG
- Identified 62 sites for charging/147 sites for all fuels
- Needs based on user-input
- Sites rated on readiness criteria
- Incentives and partners needed
- Cost for EV Charging = $124,000,000/$373,600,000 (alt-fuel stations)

**9 Utility-Led WCCTCI**
- Data-driven
- Evaluated grid capacity along I-5
- Identified 27 sites for MD Charging (50 mi) 14 HD (100mi)
- Needs based throughput, market projections, & truck stops, etc.
- Project commitment needed
- Cost for Electric Corridor = $332,920,000 (27 MD + 14 HD)
Incentivizing Infrastructure for Corridors and Commercial Fleets

Key Takeaways

- **ALTERNATIVE FUEL INFRASTRUCTURE WILL INCREASE ZEV TRUCK ADOPTION**
- **PLAN FOR ELECTRIC AND REFUELING CORRIDORS NOW!**
- **FEDERAL, STATE, INDUSTRY AND COMMUNITY PARTNERSHIP**
- **EQUITY SHOULD BE FACTORED INTO THE PLANNING AND DEVELOPMENT PROCESS**
- **NEED PURPOSEFUL COMMITMENT AND INVESTMENTS**

- Critical need to advance sustainable goods movement.
- Investments needed to support depot and corridor refueling.
- Utility engagement and grid preparation.
- Supply chain and domestic manufacturing considerations.
- Build workforce to advance technology transformation.
- Focus on implementation and partnerships with FHWA and states on incentive project design and strategic planning.

8% of MHD vehicles will be electric by 2030 [WCCTCI Report]