



Oregon's EV Charging Network

Clean Corridor Meeting – Troy, NY

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Oregon Department of Transportation





EV Charging Infrastructure Projects

- 2011 ARRA Grant of \$910,000
 - Funded 10 DC Fast Charge stations along I-5 to California border
 - Completed in 2013
- US DOT TIGER II Grant
 - Total of \$3.34 million funded additional 34 stations along the Oregon coast and major travel destinations around the state.
 - Completed in 2015





ARRA Project

- ODOT hired AeroVironment to supply, install, operate and maintain DC Fast Chargers
- AeroVironment installed one DC fast charger and one Level 2 at each host site
- Dedicated March, 2012
- Ten fast chargers on a 200+ mile stretch of Interstate 5





“West Coast Electric Highway” Fast-Charger at Wolf Creek





US DOT - TIGER II Grant

- ODOT received \$3.34 million for a total of 34 additional “fast chargers” on major transportation corridors and travel destinations
- Final installation commissioned in April 2015
- As of last month, EV Drivers have made over 70,000 connections to the network!
- This equates to almost 2 million miles driven on electricity from the WCEH!





Challenges and

Lessons Learned

- Long lead time to sign up host sites
- Connector standards: CHAdeMO vs. “SAE Combo”
- Interoperability with different vendors
- NEPA clearance (underground hazardous waste)
- Title 23 prohibition on commercialization of safety rest areas



Thank You

Questions? Comments?

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