



Oregon Department of Transportation



Electric Vehicle Charging Network

Presentation to the
Road User Fee Task Force
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Office of Innovative Partnerships





Oregon Premier Launch Site for Plug In Vehicles

- Governor Kulongoski has urged EV manufacturers to introduce their products in Oregon
- Ideal market with shorter average “Daily Miles Traveled” (DMT)
- Urban Growth Boundaries promote compact development





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EVs are Coming

Nissan LEAF

Ford Focus and
Transit Connect

Think

Navistar “E-Star”

Chevy Volt

Mitsubishi iMiEV

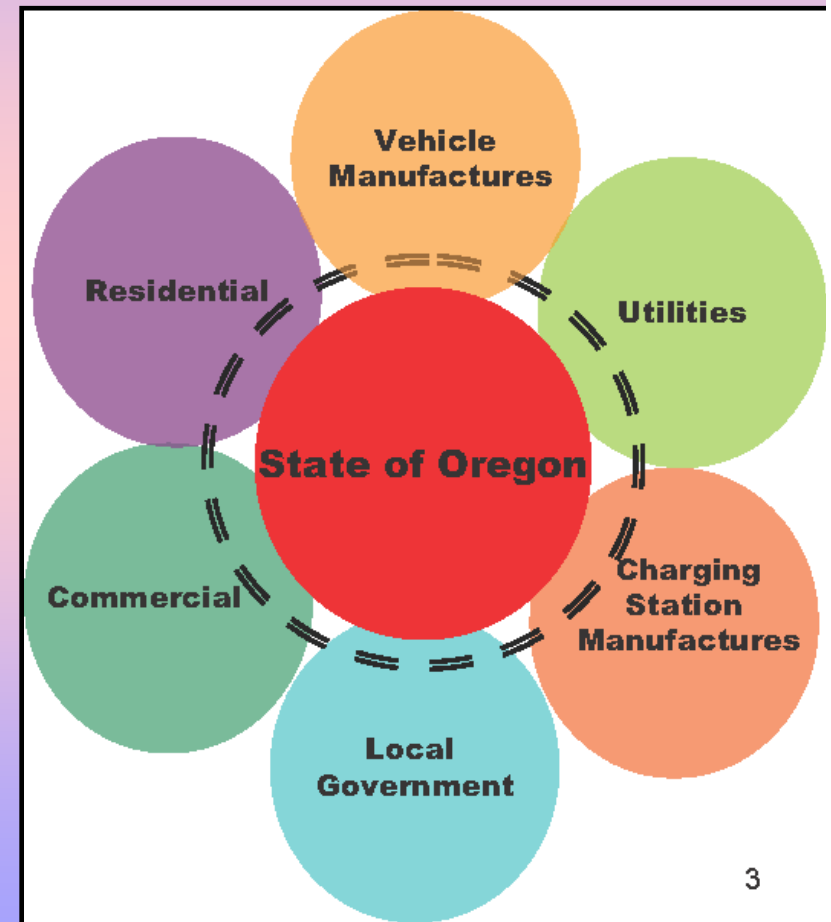
Electric SMART car

Plug-in Prius



Oregon's Collaborative Approach

- All EV manufacturers, vehicle types and styles are welcome and invited
- Encourage experimentation with various makers and business models for EV charging infrastructure
- Full coordination between State/local government, electric utilities, universities and regulatory bodies





Charging Infrastructure Underway

- ***The EV Project*** funded by US DOE will install about 1,200 Public Charging Stations in Oregon
- Residential charging is expected to account for 75-80% of the electricity used to propel EVs
- Jointly developed “Deployment Guidelines” with ECOtality for installing EV Charging locations
– ***Available on-line***





Other Ongoing Efforts

- Secured additional funding for areas outside the ECOtality grant
- Amended State Electrical Code to fast-track permitting and inspection of EV charging stations
- Adopted signage to keep internal combustion engine (“ICE”) vehicles out of EV Charging spots





Oregon EV Incentives

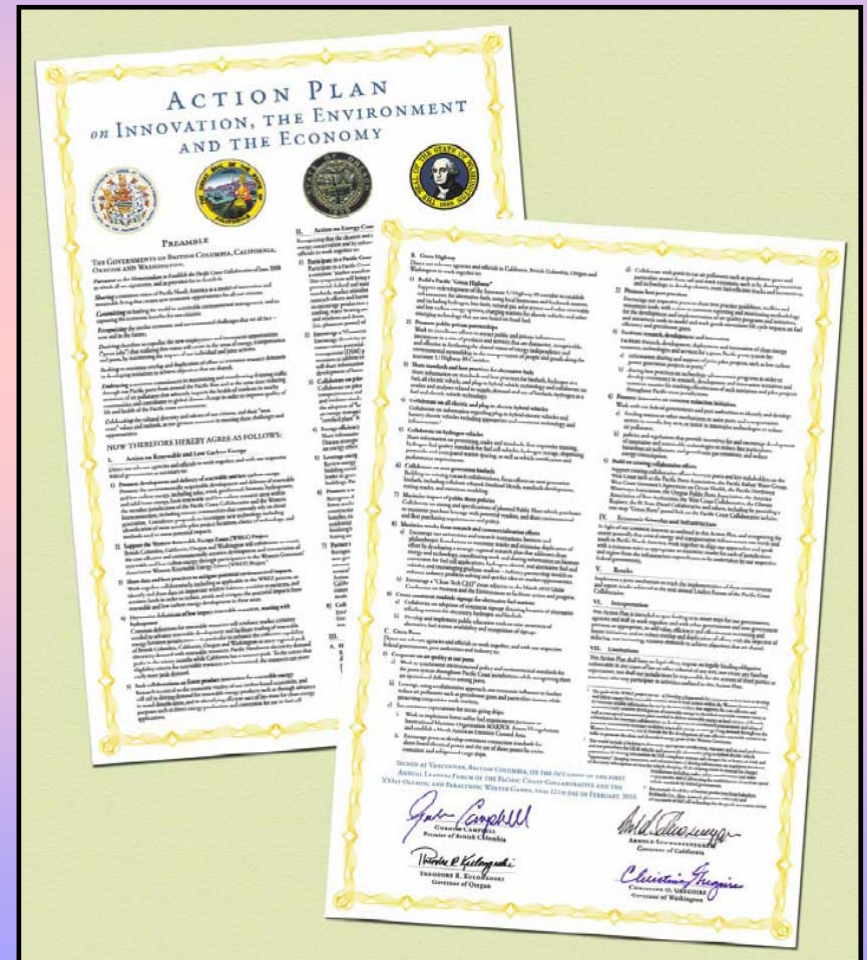
- 2009 Legislature enacted a state tax credit of \$1,500 for plug-in vehicles purchases
- Together with federal incentive, EV buyers receive up to \$9,000 credit
- Businesses eligible for 35% credit of the incremental cost of EVs over conventional vehicles
- Also credits for charging devices (for businesses and individuals)





“Green Highway” Initiative

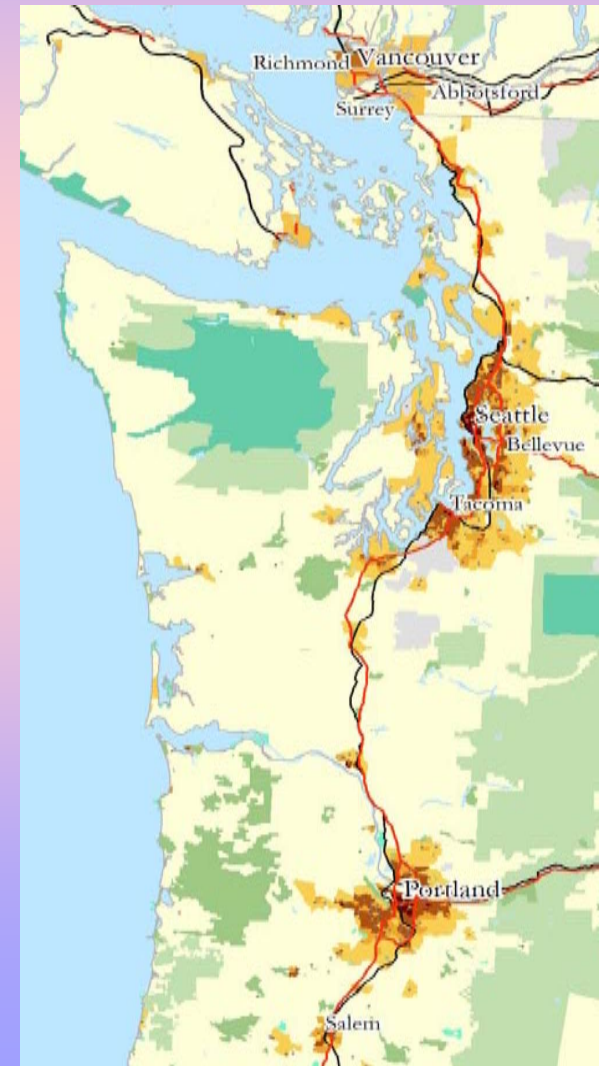
- Signed by Governors of OR, WA, CA and the Premier of BC on February 12, 2010
- Pledges cooperation in the “Green Highway” initiative
- Envisions being able to drive an EV from “BC to Baja”





“Green Highway” Initiative

- Allows EV drivers to travel from one metro area to another
- Requires a network of 3-phase, 480V “fast chargers” at minimum intervals
- ODOT received \$700,000 in September to extend fast-charge network from Eugene to Ashland
- Another \$2 million announced in October from US DOT





Transportation Electrification Executive Council

- Governor Kulongoski created the council by Executive Order on 9/22/2010
- Charged with making Oregon a leader in EV technologies
- Facilitate public education and acceptance to prepare for the transition to EVs
- ID opportunities and barriers and recommend necessary changes to the Governor



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They're Definitely Coming!!!!





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Thanks for your attention!

More information available at:

http://www.oregon.gov/ODOT/HWY/OIPP/inn_ev-charging.shtml

