

Get plugged in!

The West Coast is Leading the Charge on Electric Transportation

The nation's transportation sector is poised for a sea change and the West Coast is at the helm of the ship leading the country toward electric transportation.



To advance electric transportation, Washington and Oregon have designed a border-to-border network of electric vehicle (EV) fast-charging stations along I-5 for the first stage of the "West Coast Electric Highway."

With American Recovery and Reinvestment Act (ARRA) funding, the Washington State Department of Transportation is installing 12 AeroVironment fast-chargers along I-5, U.S. Highway 2 and I-90 in 2012. To ease electric travel along the "Main Street" of the West Coast, the Oregon Department of Transportation is using ARRA funds from the Oregon Department of Energy to install 10 AeroVironment fast-chargers along its portion of I-5 in 2012 and another 30 DC fast charging stations along roads radiating out from I-5 through a U.S. Department of Transportation grant. These chargers add to 1,000 level 2 chargers and 28 fast-chargers in Washington and 800 level 2 chargers and 27 fast-chargers in Oregon through the national ARRA-funded EV Project spearheaded by the San Francisco-based electrification firm ECOtality.

The West Coast Electric Highway is an investment in sustainable transportation infrastructure that will provide long-term economic and environmental benefits and establish the West Coast once again as a new frontier, this time for sustainable transportation.

Charging 101

Level 1

Level 1 charging stations come with your car and plug into any common 110-V wall outlet for a full charge in 12–24 hours.

Level 2

Level 2 charging stations use the same type of 240-V circuits as an electric stove or dryer. This makes recharging your EV at home or in public convenient, easy and inexpensive. The level 2 uses an SAE J1772 connector standard on most EVs in the market. It provides a full charge in three to six hours.

DC FAST CHARGE

DC fast-charging (also known as DC quick-charge) stations operate on 480-V commercial circuits, enabling you to get a quick charge and get on your way, perfect for longer trips. Fast-chargers use a CHAdeMO connector adaptable for the Nissan Leaf and Mitsubishi i-MiEV. DC fast-charging is ideal for public charging infrastructure along the West Coast Electric Highway.

With DC fast-charging stations separated by no more than an hour's drive, the Pacific Northwest is breaking the range barrier to get EV drivers almost anywhere they want to go.



Oh, the places we'll go.

Transportation Electrification for a Clean, Energy-Independent Future.



Drive cleaner. Drive smarter. Drive electric and save!



Electric Highway Map inside >



Drive cleaner. Drive smarter. Drive electric and save!

For more information:
<http://westcoastgreenhighway.com/electrichighways.htm>



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Potential Washington & Oregon Fast-Charging Communities



Look for this symbol!

Legend

- EV Project Fast Charge
- AeroVironment* - Now Open
- AeroVironment* - Coming Soon
- AeroVironment* - Coming 2014
- Level 2 Charging at Safety Rest Area
- Range Accessible to Most Electric Vehicles

* Join the Network

AV AVIRONMENT
 Subscribe to the charging network and get a personal key fob to access the West Coast Electric Highway stations.
www.evsolutions.com/avnetwork



WEST COAST ELECTRIC HIGHWAY

Drive cleaner. Drive smarter. Drive electric and save!

