

WEST COAST CLEAN TRANSIT CORRIDOR INITIATIVE STUDY



RECOMMENDATIONS

Interstate 5

27 conceptual charging sites would be located about 50 miles apart along the entire length of Interstate 5, ideally no more than 1 mile away from the highway.

- Through 2025, the 27 sites would be built mainly to serve medium-duty trucks.
- After 2025, every other site would be upgraded to include additional charging for heavy-duty trucks.

Arterial Highways

Over the same time period, 41 additional sites would be located at similar intervals and expanded in the same manner along the following arterial highways:

- California:
 - Interstates 8, 10, 80, 210 and 710
 - State Routes 60 and 99
- Oregon
 - Interstate 84
- Washington
 - Interstate 90



Key Findings

- **Growth in EV use:** By 2030, it's estimated that medium- and heavy-duty trucks could make up nearly 25% of MD trucks and 5% of HD for a total of 8% of all trucks on the road in California Oregon and Washington.
- **Policies and programs:** Clean fuel policies in West Coast states continue to drive transportation electrification.
- **Funding for infrastructure:** Expanding state, federal or private programs that provide funding for electrification could further accelerate truck adoption.
- **Perspectives of fleet operators:** Fleet operators identified that access to public charging would accelerate deployment of EVs because their trucks could use public sites to support their operations.
- **Standardization of infrastructure:** Standardized systems of charging equipment for trucks (currently under development) would help drivers make the transition to EVs.
- **Range of electric trucks:** Medium duty trucks assumed to have an average range of 90-120 miles during the next five years. Heavy-duty trucks assumed to have a range of 230-325 miles over the next 10 years.
- **Utility capacity:** Most utilities in California, Oregon and Washington have enough capacity in urban areas along I-5 to support interconnections with the medium-duty charging sites. Rural areas are more of a challenge and no area has capacity, now, to serve HD site development.

Participating Companies and Agencies

