

# THE WEST COAST ELECTRIC TRUCK HIGHWAY (ETRUCKHIGHWAY.COM)

North America's first 1,200-mile network of zero-emission medium- and heavy-duty charging & refueling stations stretching from Mexico to Canada



MOMENTUM







NICE TO MEET YOU.



# WHO IS MOMENTUM?

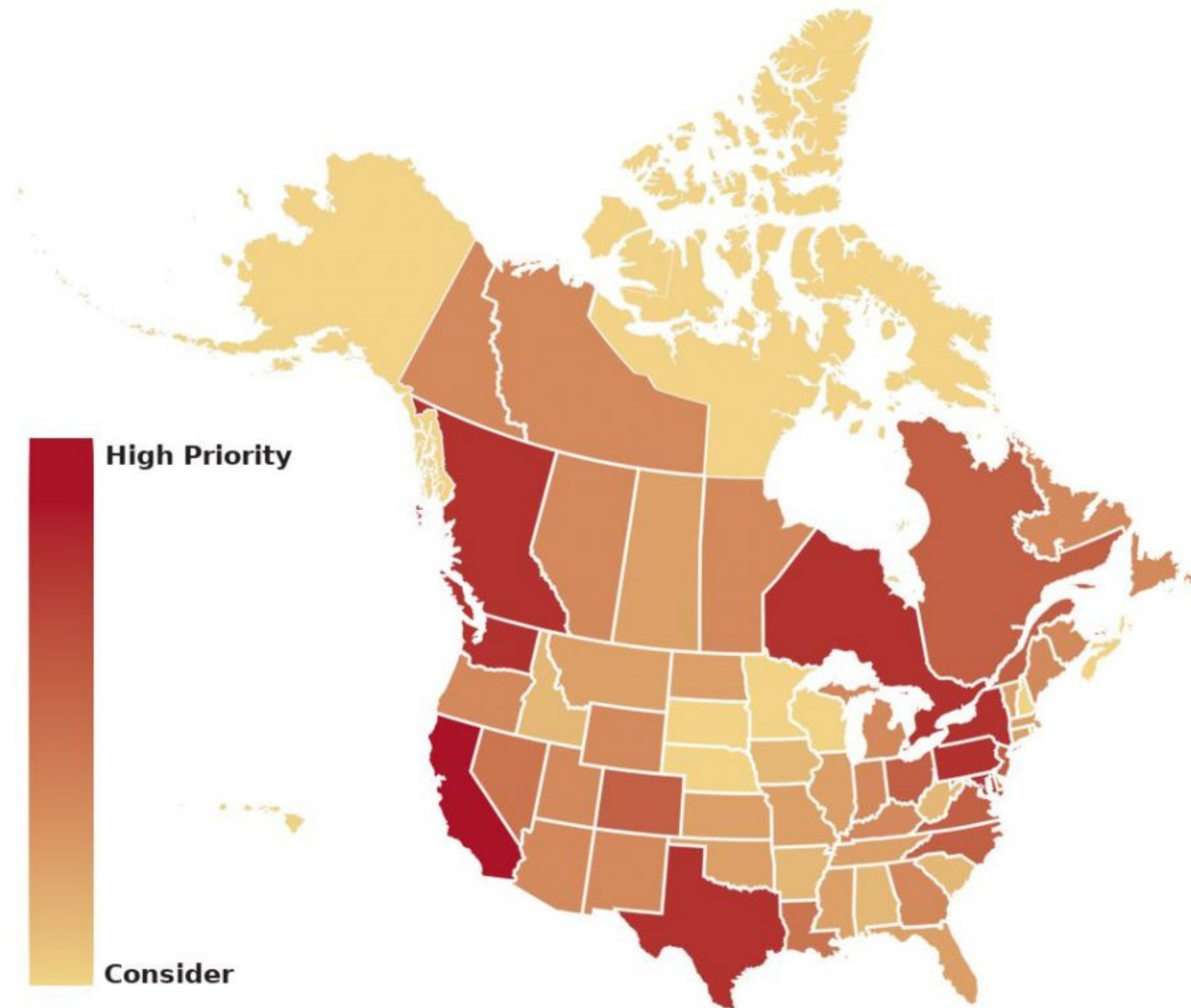
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We are an award-winning team of scientists and engineers, policy experts, finance professionals, and project managers dedicated to executing planet-saving projects. Since 2005, we have developed more than \$5.5 billion in funded projects and helped eliminate thousands of tons of harmful emissions.

For this project, we're collaborating with NACFE, HDR, Utilities, Energy Agencies, Transportation agencies, and the US EPA to propose the West Coast Electric Truck Highway.



# WHY THE WEST COAST?



In 2020, the North American Council for Freight Efficiency (NACFE) published "High-Potential Regions for Electric Truck Deployments" - a detailed study prioritizing freight and goods movement corridors for electrification. A heatmap was developed to identify those regions fleets should consider to be the highest priority for electric truck deployments.







# WEST COAST ELECTRIC TRUCK HIGHWAY HIGHWAY



- 1,200-mile network of zero-emission medium- and heavy-duty charging & refueling stations along critical north-south goods movement corridors
- Implements key goals and objectives of the multi-agency West Coast Clean Transit Corridor Initiative
- Will enable medium- and heavy-duty zero-emission trucks to travel from Los Angeles to Seattle
- Phase I includes installations at numerous facilities in California, Oregon, and Washington. Future phases to expand coverage points east to Nevada, Arizona, New Mexico, & Texas, growing eventually into a network of corridors organized as a US Electric Truck Highway



# TRAVELCENTERS OF AMERICA

- The largest publicly traded full-service truck stop and travel center company in the United States
- Operates more than 272 full-service travel centers, convenience stores, and restaurants
- Located in 44 U.S. States and Canada
- Employs more than 17,000 people
- Brands include TravelCenters of America, TA, TA Express, Petro, and Petro Stopping Centers.

**TRAVELCENTERS' VISION IS TO LEAD HOW AMERICA'S HIGHWAY TRAVELERS REFRESH, REFUEL, AND REPAIR.**



# THE RAISE GRANT

Rebuilding American Infrastructure with Sustainability and Equity

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**What:** \$1 Billion to Modernize and Create New American Infrastructure

**When:** Applications are due on July 12, 2022

**Note:** Formerly known as BUILD and TIGER

## Our Project:

- Seeks \$25 million to deploy electric charging equipment for heavy-duty trucks at existing TA/Petro travel centers in California, Oregon, and Washington
- Brings \$6.25 million in match to the project
- Leverages \$15 million in ongoing investment by TA in five showcase sites
- Includes partnership with San Joaquin Valley Air Pollution Control District and collaboration with CalTrans, WSDOT, ODOT, California Energy Commission, and Idaho National Laboratory
- Lays the foundation for future phases, with the goal of providing microgrid-enabled zero-emission charging and refueling throughout the west coast



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

# STRATEGIC LOCATIONS

Eight strategic locations:

- Seven sites are in designated rural areas,
- Three are in Areas of Persistent Poverty
- Four are in parts of California designated as low-income or disadvantaged communities.
- ETruckHighway also passes through the Paskenta, Karuk, Cow Creek, Cowlitz, Snoqualmie, and Puyallup Reservations and/or Trust Lands.





# DEPLOYMENT

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MOMENTUM



TA will deploy both "Showcase Sites" and "Opportunity Charging Sites" at existing and future TA sites along the West Coast Electric Highway.

Work is already underway at two Showcase Sites, with plans to begin building three more in 2021. Each Showcase Site services both short-haul drayage and long-haul goods movement and includes:

- High-power 350-kW DC fast chargers
- Onsite power generation (solar, wind, or hydrogen fuel cell)
- Battery energy storage
- Hydrogen refueling

In addition, TA proposes to install 350-kW DC fast chargers at up to 20 TA/Petro Travel Centers "Opportunity Charging Sites", creating the nation's first zero-emission long-haul corridor to support goods movement from the Port of Long Beach to the Port of Seattle and points in between.



# UTILITY PARTNERS

West Coast Electric Truck Highway builds upon the objectives of the "West Coast Clean Transit Corridor Initiative" sponsored by:



- Los Angeles Department of Water & Power
- Northern California Power Agency
- Pacific Gas & Electric
- Pacific Power
- Portland General Electric
- Puget Sound Energy
- Sacramento Municipal Utility District
- San Diego Gas & Electric
- Seattle City Light
- Southern California Edison
- Southern California Public Power Authority





# COORDINATION WITH TRANSPORTATION & ENERGY AGENCIES



Technical Advisors to the project will include representatives of each of the state's primary transportation planning agencies, including the California Department of Transportation (Caltrans), California Energy Commission (CEC), Oregon Department of Transportation (ODOT), Washington Department of Transportation (WSDOT) as well as the US EPA and the regional air districts in each of the three states.



# QUESTIONS?

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