EV Realty South Bay Truck Charging Hub

Scope

EV Realty, Inc., through nomination by the California Department of Transportation (Caltrans), will develop the South Bay Truck Charging Hub, a charging depot with 60 high-power DC fast charging stalls (up to 300kW pull-in and 500kW pull-through) for medium- and heavy-duty commercial vehicles in Torrance, CA. In close proximity to the Ports of Long Beach and Los Angeles, high-density warehouse districts, and major freight hubs, the project is strategically located to serve a wide variety of fleet needs, including drayage, regional haul, and last mile operations. The site is grid-optimized with available power capacity, minimizing potential delays.

The project is a secure, multi-fleet charging hub that will be open to any contracted fleet customer, including both large companies and independent owner-operators, with simple access requirements and terms tailored to specific fleet needs. The site will be open 24/7, allowing both daytime and overnight charging in a combination of pull-in and pull-through stalls. The site will also have basic driver amenities, including bathrooms, security, lighting, and onsite parking for drivers' personal vehicles.



Cost

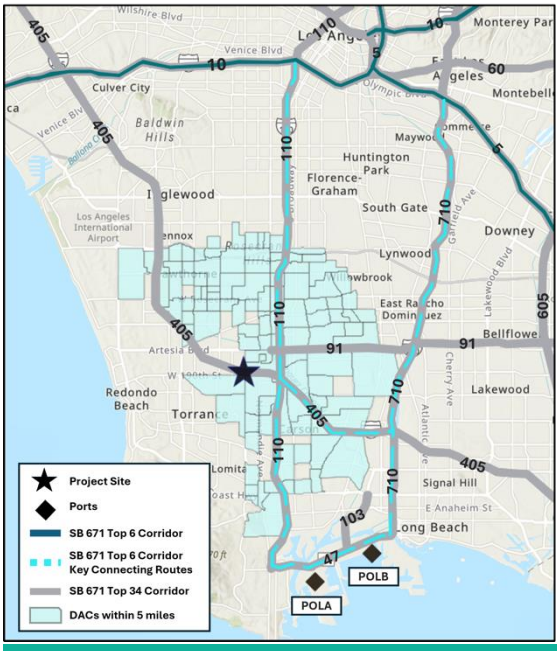
Leveraged funds	$10.4 Million
TCEP Funds	$7.9 million
Total	**$18.3 million**

Estimated Schedule

Site Control	✔
CEQA Clearance	Q1 2025
Break Ground	Q3 2025
Site Operational	2026

Benefits

The project sits on a major arterial road with heavy truck traffic, directly adjacent to I-405 and 1-2 miles from the intersections of I-110 and I-405 and I-110 and SR 91. The project is not expected to increase truck traffic or otherwise negatively impact the surrounding communities. The project has been welcomed by local leaders, and the project team is continuing to conduct local community outreach and engagement to avoid adverse impacts and mitigate community risks and concerns.



Close proximity to freeways, freight hubs, improves system efficiency and reliability

Increasing access to charging for commercial trucks in a high-traffic area will enable significant greenhouse gas (GHG) emissions reductions as conventional vehicles are replaced by clean, zero-emission alternatives. Enabling a faster transition to electric vehicles will also improve local air quality and public health outcomes at the local and regional levels, including nearby communities that have been designated as disadvantaged and underserved.

Beyond the noise reduction and local air quality improvements that are enabled by the development of this project and the adoption of heavy-duty electric vehicles, the project will provide local job opportunities for construction and ongoing operations, supporting regional workforce development and the availability of good-paying jobs in the clean transportation industry.

Improves Goods Movement

58 pull-in DC fast chargers (up to 300kW)

2 pull-through DC fast charging stalls (up to 500kW), upgradeable to Megawatt Charging Systems (MCS)

7.6 MW of charging capacity

Ability to charge 250+ trucks per day as market grows

Meets Fleet and Driver Needs

Shared, multi-fleet hub for offsite charging

Open to fleets of all sizes, supporting the availability of charging with equitable access

Security, stall reservations, and amenities meet fleet operational needs

Benefits Local Communities

Reduced GHG emissions: 13,700 tons/year

Local air quality and public health benefits : 14,300 kg/NOx/year

Reduced noise as local truck traffic electrifies

Local job creation opportunities