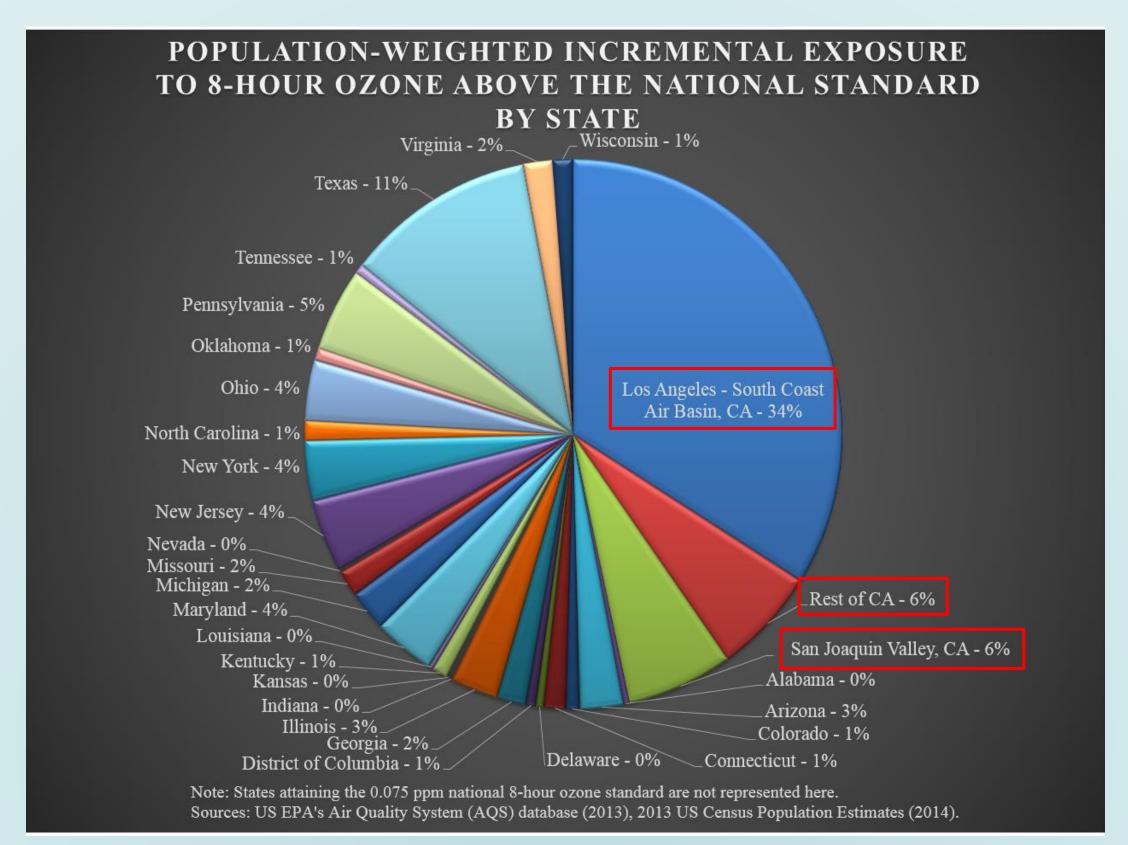


## THE PURPOSE OF THIS STUDY IS TO ASSESS **EMISSIONS REDUCTIONS WITH INCREASED ELECTRIFICATION OF PORT TRUCK OPERATIONS THROUGH THE IMPLEMENTATION OF POTENTIAL** DRAYAGE POLICIES

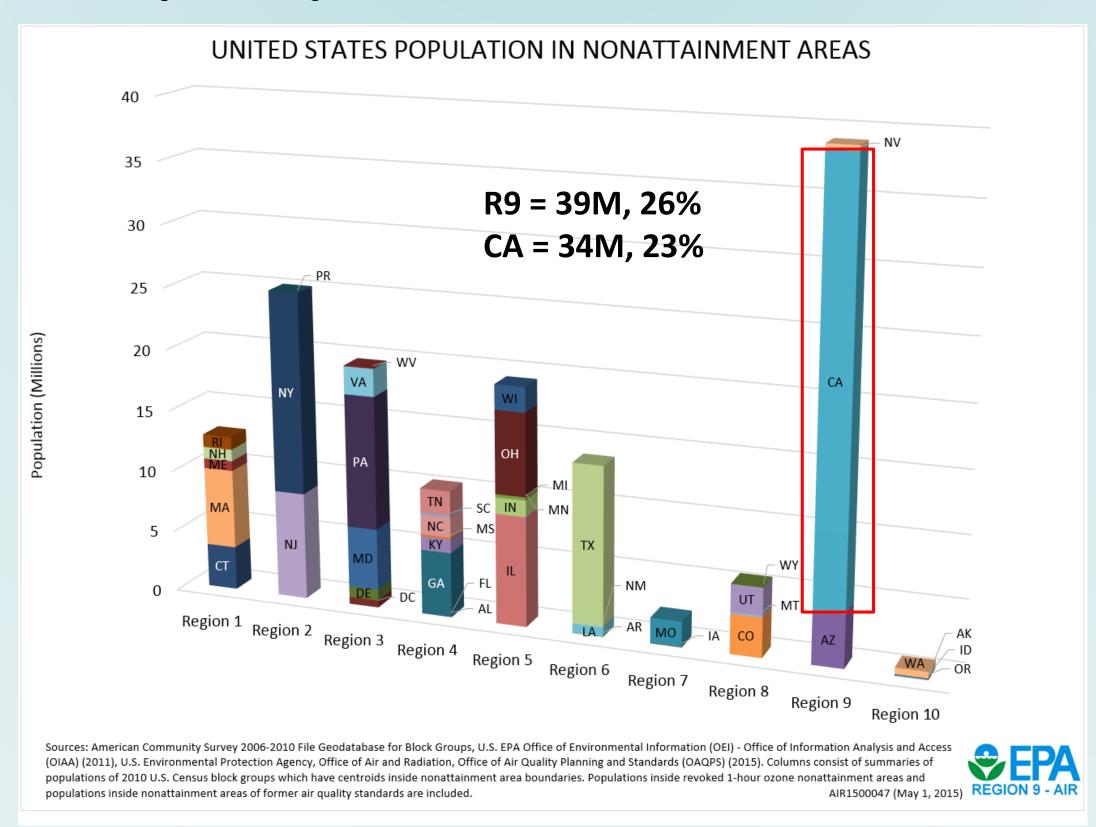


In the freight transportation system, ports are the epicenter of container and intermodal freight.

Approximately 60% of west coast freight tonnage or 7% of national tonnage goes through the Ports of Los Angeles and Long Beach.



California has identified the need to reduce the negative impacts of the freight activity, especially near ports, railroads, highways, and other large traffic generators.



As part of a comprehensive approach, the State has initiated demonstration projects to improve short-haul trucking at maritime ports, and evaluating alternative fuels for drayage trucks. Drayage trucks are essential for the functioning of ports as they facilitate the majority of distribution and intermodal goods transfers.



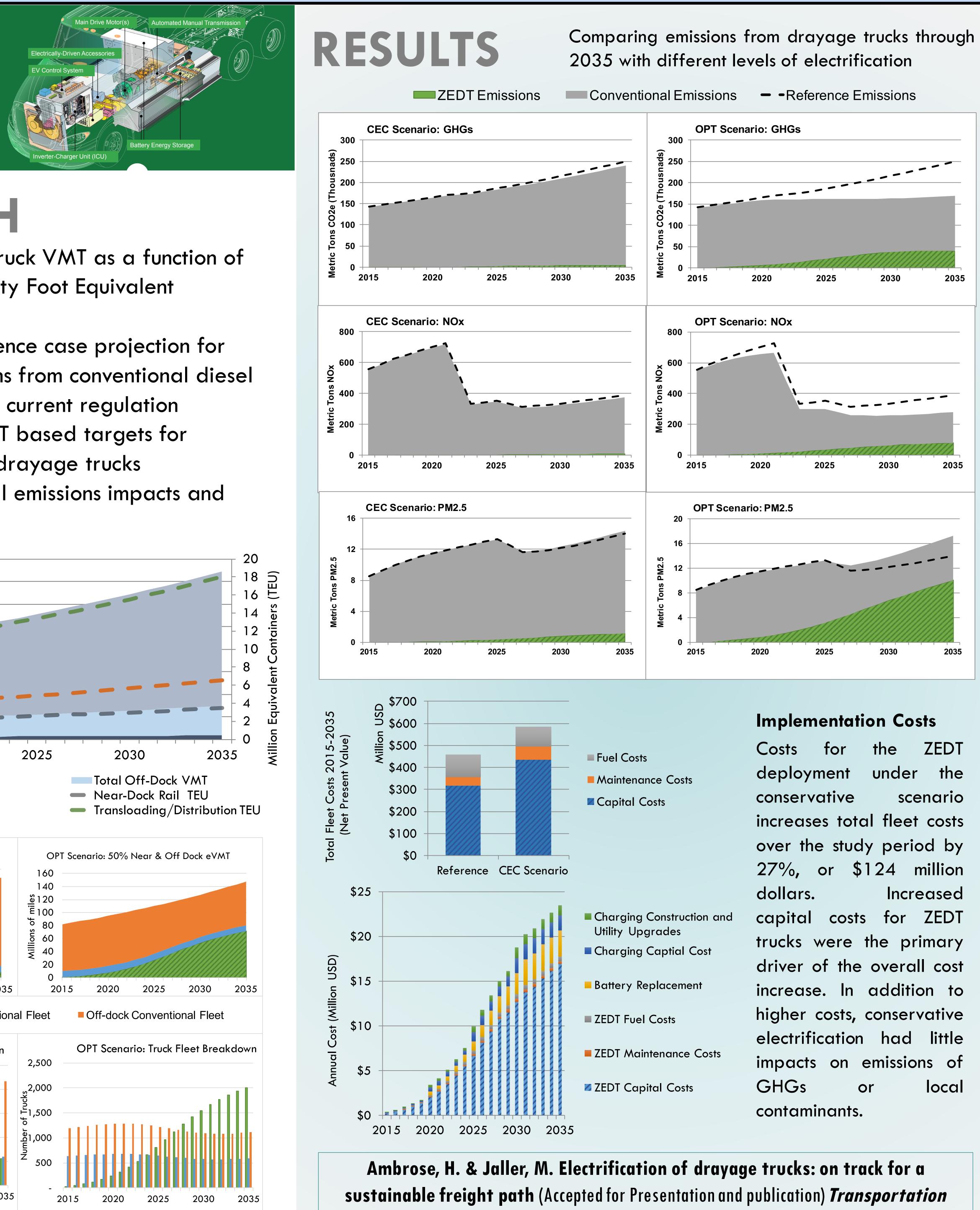
An Institute of Transportation Studies Program

## **Sustainable Freight Technology Assessment: Electric Drayage Trucks**

OPT = Optimistic

Hanjiro Ambrose, Miguel Jaller Institute of Transportation Studies, University of California, Davis - Month Year







- TEU volume (Twenty Foot Equivalent Container Unit)
- Construct a reference case projection for trucks considering current regulation
- electrification of drayage trucks
- cost implications

