EV OASIS NORTH

The EV Oasis North Project by bp pulse will deploy 850kW ultra-fast charging infrastructure with CCS and Megawatt Charging System (MCS) ports for Medium-Heavy Duty (MHD) trucks at strategically located TravelCenters of America (TA) sites along California's critical freight corridors, Interstate-5 (I-5) and California Highway 99 (CA-99). The site includes the installation of three 850kW dual-port ultra-fast chargers with CCS and MCS connectors per, six pull-through bays, a solar canopy, battery energy storage systems, and microgrid technology to ensure reliable and sustainable charging. Once operational by 2028, the project aims to support 23,000 charging sessions annually.

This project builds on the success of the TCEP Cycle 3-funded EV Oasis South initiative and is the second phase in expanding bp pulse's public MHD charging network. All selected sites are located within three miles of major freight corridors as outlined in the California Freight Mobility Plan, providing crucial infrastructure to support the movement of goods and the state's zero-emission vehicle (ZEV) goals.The total project budget is $28 million, with bp pulse requesting $10.9 million from the Trade Corridor Enhancement Program (TCEP) and contributing a
$17 million match. The project aims to enhance freight efficiency, reduce emissions in key corridors, and support California's Sustainable Freight Action Plan and the West Coast Clean Transit Corridor Initiative.

EV Oasis North project aims to reduce the following pollutants:

Pollutant	Estimated Reduction	Units
Greenhouse Gases (GHG)	188.0	Short Tons
Carbon Monoxide (CO)	487.6	Pounds (lb)
Nitrogen Oxides (NOx)	762.1	lb
Particulate Matter (PM10)	6.5	lb
Particulate Matter (PM2.5)	6.0	lb
Volatile Organic Compounds (VOC)	33.9	lb

*All pollutant estimates based on v1.1 AFLEET