

Zero-Emission Beverage Handling and Distribution at Scale

The project will deploy 21 BYD Class 8 Day Cab (8TT) trucks and charging infrastructure in beverage handling and distribution services at four Anheuser-Busch (AB) distribution facilities in the Los Angeles region, and construct solar energy generation at one of the locations to offset energy demand from the chargers. Based on input received from operators, BYD has made improvements to the range, acceleration, suspension and ergonomics of the truck compared to previous generations to increase the range of applications that can be served by these battery electric trucks. This project will demonstrate how to reach zero-emission across the range of activities at AB distribution facilities with minimal modifications to fleet logistics.



With successful deployment of these Class 8 Day Cabs and rooftop solar the team will develop the confidence and experience needed to expand this electrification initiative across an entire distribution fleet, and demonstrate the financial, operational and environmental benefits of the technology. The project team consists of BYD Motors LLC, the truck manufacturer; Anheuser-Busch, the vehicle operator and maintenance provider; ENGIE Services U.S., Inc., the solar generation and charging developer; and CTE, the overall project manager and technical consultant.

Dates: 10/08/2018 – Spring 2021
Grantee: The Center for Transportation and the Environment
Partners: Anheuser-Busch, BYD Motors LLC, & ENGIE Services U.S., Inc.
Grant Amount:
CARB Contribution: \$5,530,303
Matching Funds: \$5,795,866
Project Total: \$11,326,169



Vehicles/Equipment Funded

Pomona Site

- Four BYD Class 8 Day Cab (8TT) trucks
- Four 40 kW BYD Chargers

Riverside Site

- Four BYD Class 8 Day Cab (8TT) trucks
- Four 40 kW BYD Chargers

Sylmar Site

- Five BYD Class 8 Day Cab (8TT) trucks
- Five 40 kW BYD Chargers

Carson Site

- Eight BYD Class 8 Day Cab (8TT) trucks
- Eight 40 kW BYD Chargers
- 958 kW Rooftop Solar Array

Lessons Learned

- AB conducted testing of BYD's second generation 8TT truck in April and May of 2019. Some modifications to the truck were requested, such as redesigning the assist handle at the back of the truck and changing the fifth wheel height. These were incorporated into the final truck design.

Status Updates

- All 21 trucks have been built and inspected by Anheuser-Busch
- As of February 2020, charger installation had been completed at one site, with commissioning scheduled for March 2020
- All trucks expected to be operational in June 2020

