

VEHICLE TECHNOLOGIES OFFICE

The U.S. Department of Energy's Vehicle Technologies Office supports research, development (R&D), and deployment of efficient and sustainable transportation technologies that will improve energy efficiency, fuel economy, and enable America to use less petroleum. These technologies, which include advanced batteries and electric drive systems, lightweight materials, advanced combustion engines, alternative fuels, as well as energy efficient mobility systems, will increase America's energy security, economic vitality, and quality of life.

**Proof of Concept: Heavy Duty EV
Demonstrations for Freight & Mobility Solutions**



**TWO MEN
AND A TRUCK**
"Movers Who Care."

**Class 6 EV
Moving Truck**



**Class 8 EV
Terminal Truck/
Yard Hosteler**



**Class 4 EV
Transit Van**

Zero Emission Freight Future



**Medium-Duty
EV Box Truck**



**Heavy-Duty EV
Refuse Truck**



**Medium-Duty
EV Step Van**



These projects are designed to **demonstrate the viability of medium- and heavy-duty electric vehicles (EVs) in new fleets and new communities.** The project's real-world demonstration partners showcase Class 4-8 EVs that have tremendous potential for wider adoption and include highly visible fleets in **freight/goods movement, logistics, mobility solutions, and government.** These projects are designed to prove the real-world proof needed to prove the operational and financial performance while conducting analysis on:

- operations performance
- costs
- maintenance
- environmental benefits

