



Zero-Emission Trucks and Buses

What You Need to Know



Did you know that getting more zero-emission heavy-duty vehicles on the road is good for lung health?

Whether you're hopping on a city bus, getting a package delivered or your child is riding the school bus, electric buses and trucks are a great choice for health.

The American Lung Association's [Boosting Health for Children](#) report found that if all new cars and trucks sold in the United States are zero-emission, and if we get our electricity from clean sources, the transition would prevent 2.79 million pediatric asthma attacks and save hundreds of infant lives by 2050. "Zero-emission" is an inclusive term that includes electric vehicles and all other non-polluting vehicles.

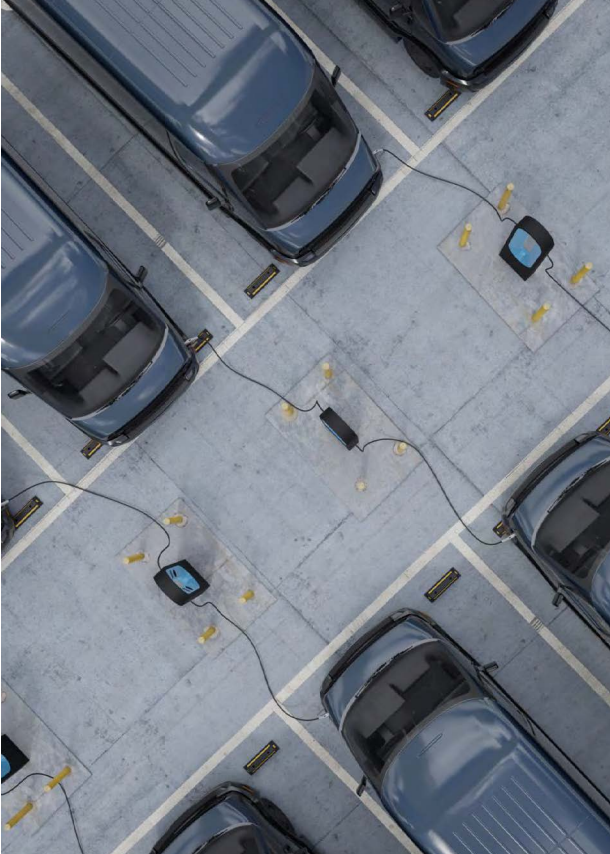
Why should fleets switch to zero-emission trucks and buses?

- **Transitioning to zero-emission trucks will have enormous health benefits.**

Heavy-duty trucks powered by diesel deliver major doses of pollution – including ozone and particle pollution – to communities throughout the United States along with their cargo. Ozone and particle pollution can cause asthma attacks, heart attacks and strokes and even premature death. These vehicles also produce carcinogenic (or cancer-causing) diesel particles that are harmful to workers and people in communities near major trucking routes—where such particles are extremely concentrated.

- **These benefits will help reduce health disparities.** Warehouse centers, major highways, railyards and ports are major hubs of truck traffic in many communities, bringing thousands of trips per day with major pollution impacts in tow. The 72 million people estimated to live near truck freight routes in the United States are more likely to be people of color and those with lower incomes. Workers at these sites and nearby overburdened communities are directly exposed to pollution that causes and exacerbates respiratory and cardiovascular problems, among other serious and costly health effects.





- **EV trucks are increasingly available.** The good news is that there are more and more EV trucks on the market, and rapid growth is expected for a number of reasons. Reasons include the development of electrical charging infrastructure, fuel and maintenance savings driving more demand, and incentives.
- **The federal government is supporting the transition to EV trucks,** including through funding to build out nationwide electric charging infrastructure, transitioning the federal fleet to zero-emission vehicles by 2035, and setting stronger truck emissions standards.
- **EV trucks offer fleets a range of benefits, including reduced fueling and maintenance costs.** Zero-emission vehicles are far more efficient than combustion trucks and can offer reduced and less volatile fueling costs as a result. EV trucks can also offer lower maintenance costs for fleets and can provide lower total cost of ownership when compared with a combustion truck.

To learn more about the American Lung Association's work on promoting the transition to zero-emission vehicles, visit [Lung.org/ev](https://www.lung.org/ev).