

# Electric Fleets Community Benefits



## Why Electric School Buses?



### Healthy Students

Emissions-free vehicles mean better air for students, drivers, and communities.



### Reliable Vehicles

Simple and reliable electric motors reduce maintenance costs.



### Stable Budgets

Charging with electricity insulates community budgets from volatile diesel prices.

## 1. Community Health

Emissions-free vehicles eliminate toxic diesel fumes from school yards and neighborhoods.



Exposure to diesel fumes is linked to childhood asthma and other health problems.

## 2. Healthier Neighborhoods

Electric school buses reduce pollution exposure in communities most affected by poor air quality.



Children who ride electric school buses have 8% lower risk of pediatric asthma hospitalization

## 3. School Budgets

Restore balance to your transportation budget with predictable energy pricing.



Diesel price volatility wreaks havoc on student transportation budgets.

## 4. Driver Satisfaction

Recruit and retain drivers with quiet, easy-to-drive vehicles.



Students are better behaved when they don't have to shout over the engine.

## 5. Climate

Upgrading your fleet to electric reduces greenhouse gas emissions.



Electrifying a school bus saves as much CO<sub>2</sub> over its lifetime as four passenger vehicles.

## 6. Reduced Absenteeism

When your students breathe cleaner air, they miss less school.



Replacing all US pre-2000 model year school buses would result in > 1.3 million additional student days of attendance each year.

## 7. Emergency Resilience

As Distributed Energy Resources (DERs) — batteries on wheels — electric school buses can help power resources for your community in an emergency.

## 8. Grid Modernization

With vehicle-to-grid technology (V2G), electric school buses are helping build America's new energy grid, buffering peak demand and providing storage capacity for renewable energy.



Your town's electric fleet is an active member in your community—providing green energy storage, and emergency power when you need it most.



Want to learn more?

**highlandfleets.com**

- ① <https://projects.iq.harvard.edu/covid-pm>
- ② <https://uspirg.org/reports/usp/electric-buses-clean-transportation-healthier-neighborhoods-and-cleaner-air>
- ③ [https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=EMD\\_EPD2DXL0\\_PTE\\_NUS\\_DPG&f=W](https://www.eia.gov/dnav/pet/hist/LeafHandler.ashx?n=PET&s=EMD_EPD2DXL0_PTE_NUS_DPG&f=W)
- ⑥ Randomized design evidence of the attendance benefits of the EPA School Bus Rebate Program (Peddle, et al. 2023)