



Fact Sheet: Electric Buses

Across the United States, the transportation sector is a leading source of dangerous air pollution that harms public health and worsens climate change. Dangerous pollution from diesel buses contributes disproportionately to this harm, and hurts families living in underserved communities most impacted and vulnerable to pollution burdens.

The transition to zero-emission buses will immediately benefit the health of children riding school buses, as well as the daily commuters and transit riders residing near transit centers, major roadways and other pollution hotspots. People who live downwind of major urban areas will also benefit from public transportation electrification.

Protecting the health of our families through electric public transportation

The transportation sector must move comprehensively to zero-emission solutions, including switching to 100% electric school and transit buses as rapidly as possible, to unlock the public health and economic benefits of cleaning up the air we breathe.



The Transportation Sector

- Causes over half of the nation's total nitrogen oxide emissions, which form harmful ground-level ozone pollution and particle pollution.
- Is the largest source of carbon dioxide pollution in the United States.
- Contributes significantly to particle pollution and local diesel exhaust impacts that threaten lung health.

The American Lung Association's 2021 "State of the Air" report found significant disparities for people of color residing in counties with failing grades for ozone and/or particle pollution.

The air pollution burden is not shared equally

People of color were:

- 61% more likely than white people to live in a county with a failing grade for at least one pollutant.
- Over three times as likely than white people to live in the most polluted counties.

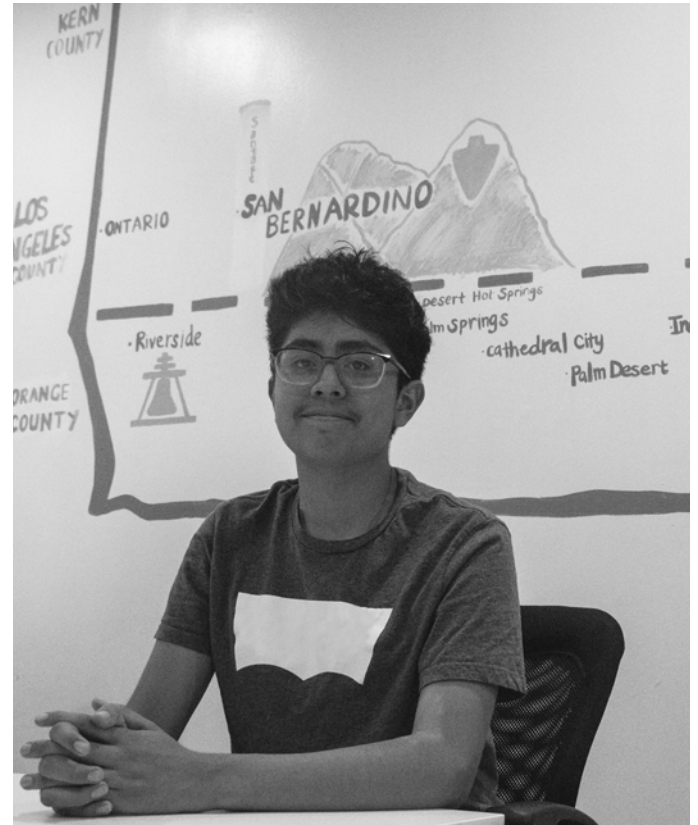


Electric vehicles are an essential piece of the solution

According to the Lung Association's "The Road to Clean Air" report, the widespread transition to zero-emission transportation technologies could produce emission reductions by 2050 that could:

- add up to \$72 billion in avoided health harms every year
- save approximately 6,300 lives every year
- avoid more than 93,000 asthma attacks and 416,000 lost work days every year.

In addition to these health benefits, the annual climate benefits could surpass \$113 billion in 2050 alone.



The importance of policy advocacy in achieving zero-emissions

Actions taken today by local, state and federal agencies to transition away from dirty heavy-duty vehicles will establish a crucial course to clean transportation and healthier air in communities across the country. The American Lung Association recommends the following actions:

- At all levels, governments must align toward zero-emission transportation through policy change, investment, public education and partnership with private entities and the public working together to reduce air pollution and climate change.
- Establish health-protective clean air standards based on current science and ensure an adequate level of protection for vulnerable communities as required by the Clean Air Act.
- Designate zero-emission infrastructure a national priority program for economic recovery from the pandemic.
- Increase grant funding support for zero-emission truck and bus purchases and manufacturing, and maintain existing consumer and business tax credits for zero-emissions vehicle (ZEV) purchases.
- State authority under the Clean Air Act to enact ZEV standards must be protected and implemented.
- Increase incentives to ensure widespread deployment of zero-emission transportation infrastructure and technologies.
- Consumers must have full access to electric vehicle options that meet their needs and the benefits of zero-emission vehicles must be available to all communities.