

# Sustainability Trends



The public transportation industry continues to explore innovative solutions to further improve its impact on our environment.

## Emissions Impacts

- Annually public transportation saves the U.S. six billion gallons of gasoline and 63 million metric tons of CO<sub>2</sub>.
- Transportation represents 29% of greenhouse gas emissions in the U.S.
- A typical trip on emits 55% fewer greenhouse gas emissions than driving or ride-sharing alone.
- An electric bus emits 62% fewer emissions than an average diesel bus.

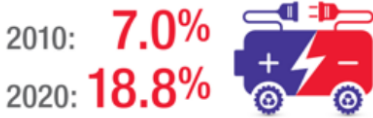
## Providing Innovative Energy Solutions

- Public transportation is leading the use of alternative-powered vehicles, including dual-powered, electric, and hybrid vehicles, to enhance fuel efficiency.
- In 2023, 25% of public transit buses run on Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG), and 18% are hybrids.
- Public transit continues to invest in clean tech, such as biofuels, hydrogen fuel cells, and hybrids; 50% of U.S. buses use alternative fuels or hybrid tech.

## Fostering Energy Independence

### Leading in Clean Technology

Share of **Hybrid Electric Buses**



(According to APTA's 2020 Vehicle Database)

### Lowering Carbon Emissions



less CO<sub>2</sub> emissions by using the subway rather than a car

(According to TCRP "Report 226: An Update on Public Transportation's Impacts on Greenhouse Gas Emissions")

### Reducing Gasoline Consumption

**6.0**  
BILLION

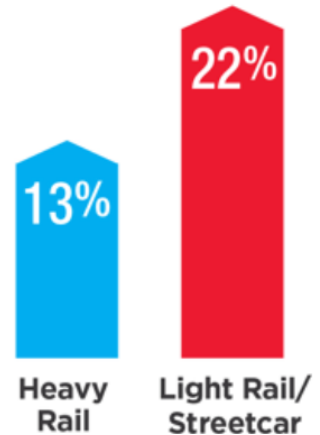
**Gallons of Gas Saved**  
each year by using public transportation

(According to TCRP "Report 226: An Update on Public Transportation's Impacts on Greenhouse Gas Emissions")

### More Efficient



Increase in vehicle miles operated per kilowatt-hour over the Past 30 Years



## The Power of Individual Action

- Emissions per passenger mile in 2018 were 26% lower than in 2005.
- Public transportation uses less space to move more people. This means a smaller environmental footprint, leaving space for neighborhoods and communities to thrive.
- Communities served by public transportation avoided 148 billion miles of personal vehicle travel in 2018 through transportation efficiency and land use efficiency savings. Transit vehicles traveled 4.7 billion miles in 2018, and the average transit vehicle had 12 passengers.