



Low Carbon Buses



PVTA electric bus charging at Springfield Union Station. Photo: Pi.1415926535

INVESTMENT SCALE

Moderate \$\$\$

DEPLOYMENT SPEED

Fast [Progress bar]

DESCRIPTION

Low Carbon Buses provides funding for local and state transit agencies to establish new or expanded bus service and to replace or expand their existing fleets with battery-electric buses (BEBs) to increase low- and zero-emission heavy-duty use in public transit. Low Carbon Buses also installs battery electric bus (BEB) charging stations at bus depots.

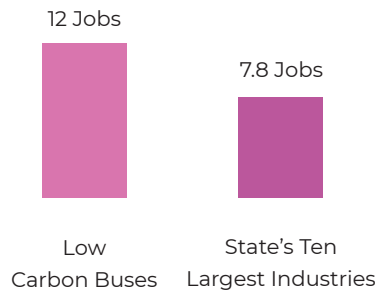
BENEFITS

Expanding and electrifying bus service in the Commonwealth unlocks quality workforce opportunities in the fields of construction, engineering, and public transportation. These investments also create long-term job benefits by providing transportation and fuel cost savings for transit operators and new transit riders. Electrified buses deliver significant public health measures when they replace polluting diesel-powered buses, create convenient healthy alternatives to personal vehicles, and reduce overall traffic.

RESULTS

Each dollar invested **supports 55 percent more jobs than a dollar invested in the state's ten largest industries.** Additionally, every dollar invested in Low Carbon Buses **saves \$5.16 in fuel savings, congestion reduction, and improved public health.**

JOBS PER MILLION INVESTED



TOP OCCUPATIONS

- 1 Transit and Intercity Vehicle Drivers
- 2 General and Operations Managers
- 3 Bus and Truck Mechanics
- 4 Office Administrators
- 5 Customer Service Representatives

BENEFITS PER MILLION INVESTED



Fuel Cost Savings

\$1,119,500

Gasoline and diesel costs avoided by reducing vehicle reliance



Physical Activity Health Benefits

\$1,521,000

Saved lives and avoided illnesses from increased walking and cycling



Travel Time Savings

\$1,626,800

Travel time savings from lower traffic congestion and improved bus service



Traffic Accidents Avoided

\$443,000

Avoided traffic accident fatalities or injuries



Air Pollution Health Benefits

\$444,500

Saved lives and avoided illnesses from improved air quality

Total
\$5,155,100

