

# Electric School Bus Overview



National Grid is committed to helping Rhode Island meet its greenhouse gas emissions goals and providing healthier modes of transportation. Electrifying school buses can contribute to reaching these goals. Compared to diesel buses, electric buses have approximately 3X fewer emissions and have lower operating and maintenance costs.

Read below for more information on the health benefits of electric school buses, state incentives to replace existing diesel buses with electric school buses, and funding from National Grid for the charging stations to power the buses.

## Health and Emissions

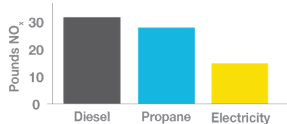
Harmful pollutants have serious implications on the environment and the health of those exposed to them. Children are more susceptible than adults to the health impacts from harmful exhaust; cleaner fuels reduce these health risks.



### NO<sub>x</sub>

Nitrogen Oxides

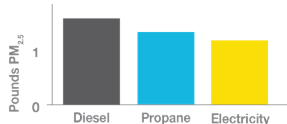
Reducing nitrogen oxides reduces respiratory disease, such as asthma.



### PM<sub>2.5</sub>

Particulate Matter

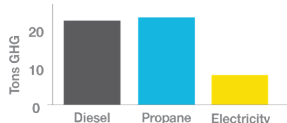
These fine particles pose the greatest health risk and can get deep in the lungs.



### GHG

Greenhouse Gas

Reducing greenhouse gas (GHG) emissions helps to mitigate climate change.



## Learn More:

- The Case for Electric School Buses: <https://www.veic.org/Media/success-stories/electric-school-bus-intro.pdf>
- Comparing Diesel and Electric Buses: <https://www.veic.org/Media/success-stories/school-bus-fuel-type-comparison.pdf>
- Listing of Electric School Buses: <https://www.veic.org/Media/success-stories/types-of-electric-school-buses.pdf>
- Additional Resources: <https://www.veic.org/electric-school-buses>

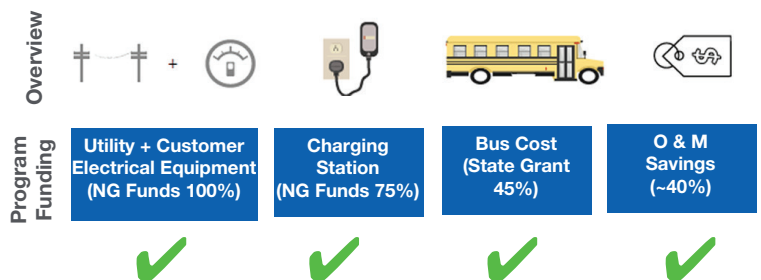
## Incentives:

### Electric School Bus Funding:

Funding for up to 45% of the cost of an EV school bus; late Spring/Summer 2020 availability. More information: <http://www.dem.ri.gov/programs/air/diesel-reduction.php>

### Electric School Bus Charging Station Funding:

100% of electric infrastructure and installation costs + 75% of the charging station equipment costs for up to 3 charging stations to power 3 electric school buses. More information: [www.ngrid.com/ri-evcharging](http://www.ngrid.com/ri-evcharging)



Source: <https://www.veic.org/Media/success-stories/school-bus-fuel-type-comparison.pdf>