



U.S. DEPARTMENT
of ENERGY

Office of Critical Minerals
and Energy Innovation

School Bus Electrification Center



AFDC.ENERGY.GOV/GUIDES/
ELECTRIC-SCHOOL-BUS

A Comprehensive Guide to School Bus Electrification

The School Bus Electrification Center provides user-friendly and accessible resources for electrifying school bus fleets.

This online guide uses a modular, step-by-step format, allowing the user

to follow the full process or quickly jump to where they need additional support.

Five modules provide information on fleet assessment, route analysis, bus procurement, charging infrastructure, community involvement, battery recycling, and more. The School Bus

Electrification Center is available on the Alternative Fuels Data Center (AFDC) website, the go-to resource for advanced transportation fuels and technologies.

Dive Into the Details: What You'll Find on the AFDC

- **Learn:** Get familiar with the basics of school bus electrification and prepare for the scoping and planning phases
- **Scope:** Conduct a preliminary bus electrification assessment with the goal of identifying some of the major elements of your project
- **Plan:** Balance all the options and create the most efficient and cost-effective plan to meet your fleet's needs
- **Implement:** Coordinate timelines, train staff, install chargers, and deploy your electric school buses
- **Improve:** Evaluate the operation of your buses and maximize performance



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For more information, visit: afdc.energy.gov
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