

Electric School Bus Initiative



**Dominion
Energy[®]**

Electric School Bus Initiative

Phase 1 Deployment

Phase 1 by the numbers:

- 50 electric school buses
 - 16 school districts
 - 1 bus manufacturer
 - 1 charger manufacturer
- 4-6 hours of predictable daily operations
 - 180 days of operation per year



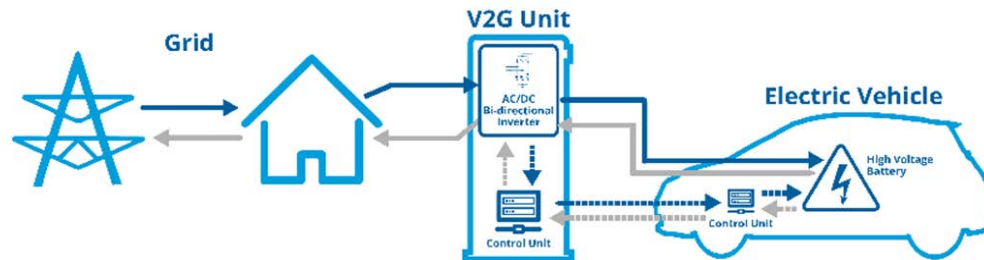
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V2G Overview

Vehicle to Grid Technology

- ① The buses are all electric and can be used as battery storage.
- ② When not in use, they can be tapped as an energy resource through vehicle-to-grid technology.
- ③ If energy needs are high or if renewable resources are intermittent, the batteries can provide stability to the grid.
- ④ During a power outage or emergency, the batteries could serve as mobile power stations.

Up to 220 kWh lithium-ion battery packs, the buses can deliver up to 155 mile range on a single charge



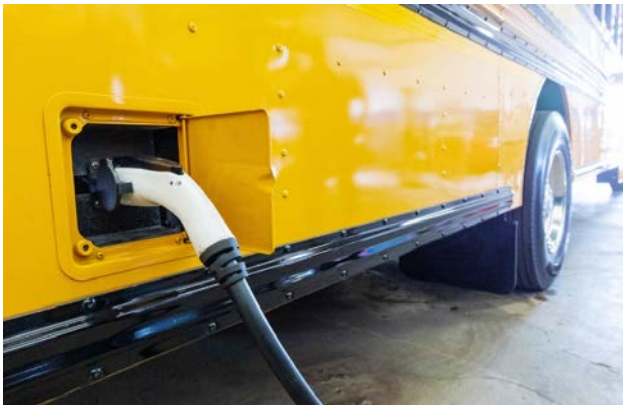
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Locality and School Benefits

60%

Same Acquisition Cost + Less Maintenance

- Cost to upgrade from a diesel to electric model covered by program, including infrastructure
- Reduce operation and maintenance costs for schools by 60%
- Schools keep O&M savings



Electric Bus Charging

- Equivalent of 17 MPG compared to 6 MPG for diesel
- Charging stations & infrastructure provided at no cost to schools

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Community Benefits



Increased Safety

- Electric buses are quiet, allowing for better communication between drivers and students
- Every bus to be equipped with 3-point seatbelt for each student



Cleaner Air & Zero Emissions

- Air quality inside is 6x better than non-electric models
- One electric bus reduces CO2 emissions by 54,000 pounds each year

[DominionEnergy.com/ElectricSchoolBus](https://www.dominionenergy.com/ElectricSchoolBus)