

New Mexico is **ready** for
clean and quiet school buses

The School Bus Modernization Act makes electric school buses available and affordable for every New Mexico School District.

There is \$5 billion in federal funding available to schools nationwide to replace old, expensive diesel buses with electric buses. With additional funding from the State of New Mexico through the School Bus Modernization Act, and by permitting Vehicle to Grid (V2G) utility agreements, students could soon be breathing cleaner air.

A Win, Win, Win, Win, Win for Schools, Bus Drivers, Parents, and Students.

- ▶ The School Bus Modernization Act makes electric school buses **available and affordable** for every New Mexico School District.
- ▶ School bus **operators and mechanics love them** because there are no gears to worry about, and power delivery is smooth with an instant response.
- ▶ Retiring diesel buses in favor of electric buses has **big benefits for New Mexico** students, teachers, bus drivers, and communities.
- ▶ Electric buses are proven to **work in cold and warm climates**, perfect for New Mexico.
- ▶ Electric buses let off **fewer emissions**, which can reduce asthma and other respiratory problems for students and improve academic achievement.
- ▶ Because EVs are nearly silent, drivers can hear what is happening on the bus, so **students and drivers have safer, quieter rides**.
- ▶ Aging diesel buses are expensive to operate, fuel, and maintain. Districts are estimated to **save between \$8,000 - \$15,000 per school bus every year** with electric buses. These cost savings can go back into the classrooms.
- ▶ Electric buses can serve as batteries on the grid (V2G), **helping utilities meet demand** and improving access to chargers in rural New Mexico, earning revenue for schools that can be used in classrooms.

The Choice is Clear. Electric School Buses Make Good Financial Sense.

Electric school buses are an excellent investment for New Mexico!

Below is a breakdown of the cost of electric school buses (ESBs) compared to diesel school buses according to several factors. Though ESBs have a higher upfront cost, the health savings and benefits, lower operating costs (fuel and maintenance), and potential incentives make them more cost-effective over time.

	Electric	Diesel
Purchase Price	\$400,000	\$140,000
Fuel Costs	Less expensive per-mile.	Diesel is more expensive than electricity.
Maintenance Costs	Fewer moving parts, no oil changes, less wear on brakes, lowers maintenance costs.	Requires regular oil changes, fuel filters, and exhaust system maintenance.
Incentives and Grants	EPA "Clean School Bus program" funds nearly the entire cost to buy an ESB and charger. Districts can obtain a Federal Inflation Reduction Act \$40,000 payment.	No incentives.
Environmental and Health Costs	No emissions means cleaner air quality for students. Studies show attendance rates increase with cleaner buses. Electric buses also reduce greenhouse gas emissions and air pollutants.	Particulate matter worsens asthma and other respiratory issues especially for children. Emissions also harm air quality and public health, leading to higher healthcare costs and worsening greenhouse gas emissions.
Lifespan and Resale Value	Longer lifespan means less frequent purchasing of buses and higher resale value depending on market conditions.	Every 12 years buses must be replaced. Declining demand for diesel will negatively affect values.
Vehicle to Grid Agreements.	Districts can earn up to \$200,000 per bus through selling stored energy as backup power to the grid.	No revenue possibilities.

The New Mexico experience shows annual recurring expense reductions per bus of \$8,000 to \$15,000. **Over 12 years, there is a potential savings of \$180,000!**

When electric buses replace old diesel vehicles in large cities, health benefits associated with reduced mortality and childhood asthma **total \$207,200 per bus.**