



Did you know?

The program connects fleets with resources, fleet-friendly charging rates, and financial incentives to easily and cost-effectively design and install the charging infrastructure needed to power medium- and heavy-duty electric fleets.

Power Your Drive for Fleets

Total cost of ownership for your school district EV fleet



Electrifying your school bus fleet can enable your district to:



Save up to **\$1.16 million** in fuel costs over 10 years.



Take advantage of more than **\$250,000** in funding per electric school bus.



Reduce greenhouse gas emissions by **77%** over 10 years.



Provide a **cleaner, quieter and more comfortable ride** for students.



To learn more, scan QR Code or visit sdge.com/evfleets

A school district's top priority is the health and safety of its students. EVs eliminate harmful diesel and gasoline tailpipe emissions while reducing maintenance expenses and fuel costs.

With short, predictable routes and ample time between trips to allow for charging, school buses operate under an ideal model to convert to EVs. Increased up-front costs related to vehicles and electric vehicle supply equipment (EVSE) can be greatly reduced with historic funding available to help public schools reduce costs and electrify their fleets.

This sample TCO analysis illustrates the cost savings of a fleet of diesel Class 6 and 7 school buses compared to a fleet of electric buses and the key factors fleets should consider when developing their own analysis.

Total Cost of Ownership analysis

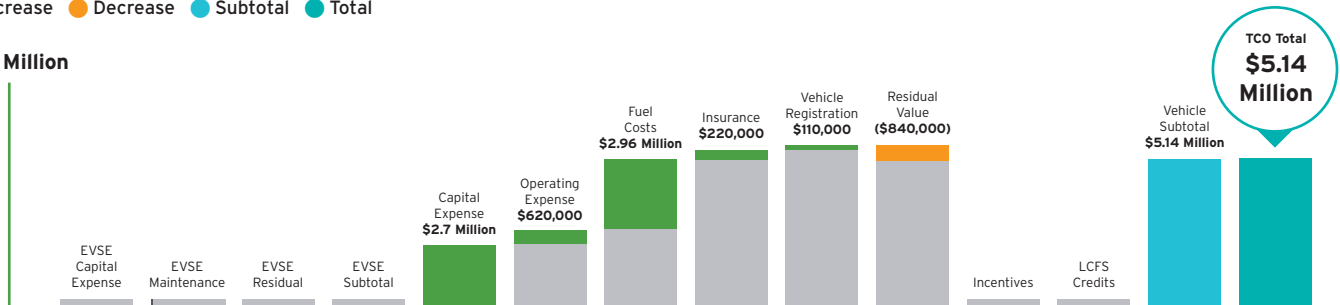
The Total Cost of Ownership (TCO) of a 20-Vehicle School Bus Fleet

Diesel Class 6 and 7 School buses compared to Electric Class 6 and 7 School buses over 10 years

Diesel fleet TCO 2020-2030

● Increase ● Decrease ● Subtotal ● Total

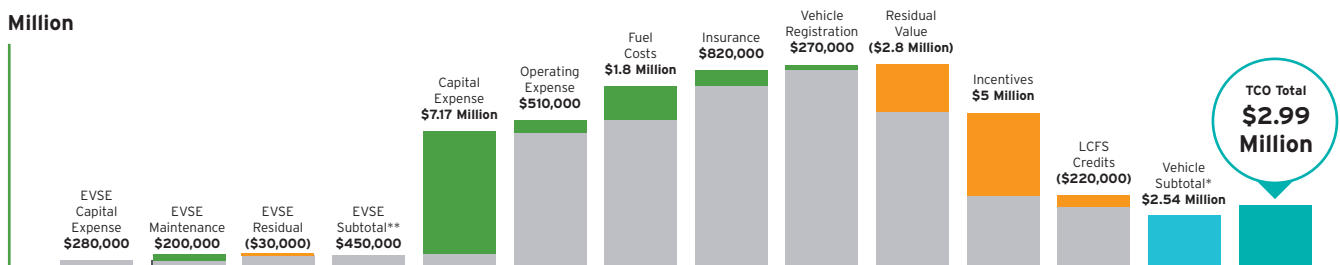
\$7 Million



Electric Vehicle fleet TCO 2020-2030

● Increase ● Decrease ● Subtotal ● Total

\$12 Million



An EV school bus fleet can save up to **\$2.15 million** compared to a diesel school bus fleet over 10 years.

Understanding Key TCO Components

***Vehicle Subtotal =**

- CapEx
- + Operating Expense
- + Fuel Costs
- + Insurance
- Residual Value
- SDG&E® Infrastructure Incentives
- LCFS Credits

****EVSE Subtotal =**

- EVSE CapEx
- + EVSE Maintenance
- EVSE Residual

TCO Total =

- EVSE Subtotal
- + Vehicle Subtotal

Key Fleet Assumptions:

20 Vehicles	150,313 Miles/Year	320 Days/Year Operation	10 Years Average Vehicle Life
Residual value of vehicles straight line depreciation over 7 years	9.25% Sales tax	Insurance costs 3% of vehicle residual value	LCFS credit price \$70 per credit

Fuel Type	Diesel	EV
Per vehicle purchase cost (2023)	\$90,000	\$350,000
Fuel cost	\$6.08/gal	\$0.12/kWh
Fuel efficiency	10.4 mpg	2 kWh/mile
Maintenance costs	\$0.21/ml	\$0.17/ml
Infrastructure purchase costs	\$0	\$275,000/charger*
Infrastructure maintenance costs	\$0	\$22,000/charger/year
Purchase incentives	\$0/vehicle	\$250,000/vehicle

*School district fleets are eligible for up to \$75,000 in additional rebates to reduce the upfront cost of EV chargers.



Improve TCO with increased vehicle replacement

As many school districts look for the most cost-effective path to fleet electrification, they will find that transitioning to EVs on a concentrated replacement schedule can maximize project savings and reduce TCO. Replacing vehicles and installing infrastructure slowly over time may have its benefits, but it is more costly over the long term. It is less efficient and far more expensive to install or upgrade EV charging infrastructure “one-by-one” as each vehicle is deployed.

Additionally, the attractive and lucrative funding opportunities that are currently available to fleets through utility programs and other state-wide funding programs are limited and will become less available and more restrictive overtime, especially as California moves towards mandating a zero-emission commercial transportation sector.



Power Your Drive *for Fleets*

SDG&E's **Power Your Drive *for Fleets*** program helps fleet managers reduce operating costs, eliminate emissions, and simplify vehicle maintenance by transitioning to electric vehicles. The program connects fleets with resources and financial incentives to easily and cost-effectively design and install the charging infrastructure needed to power medium- and heavy-duty electric fleets.

For more information on the program, visit: sdge.com/evfleets