

Electric School Buses

Total Cost of Ownership

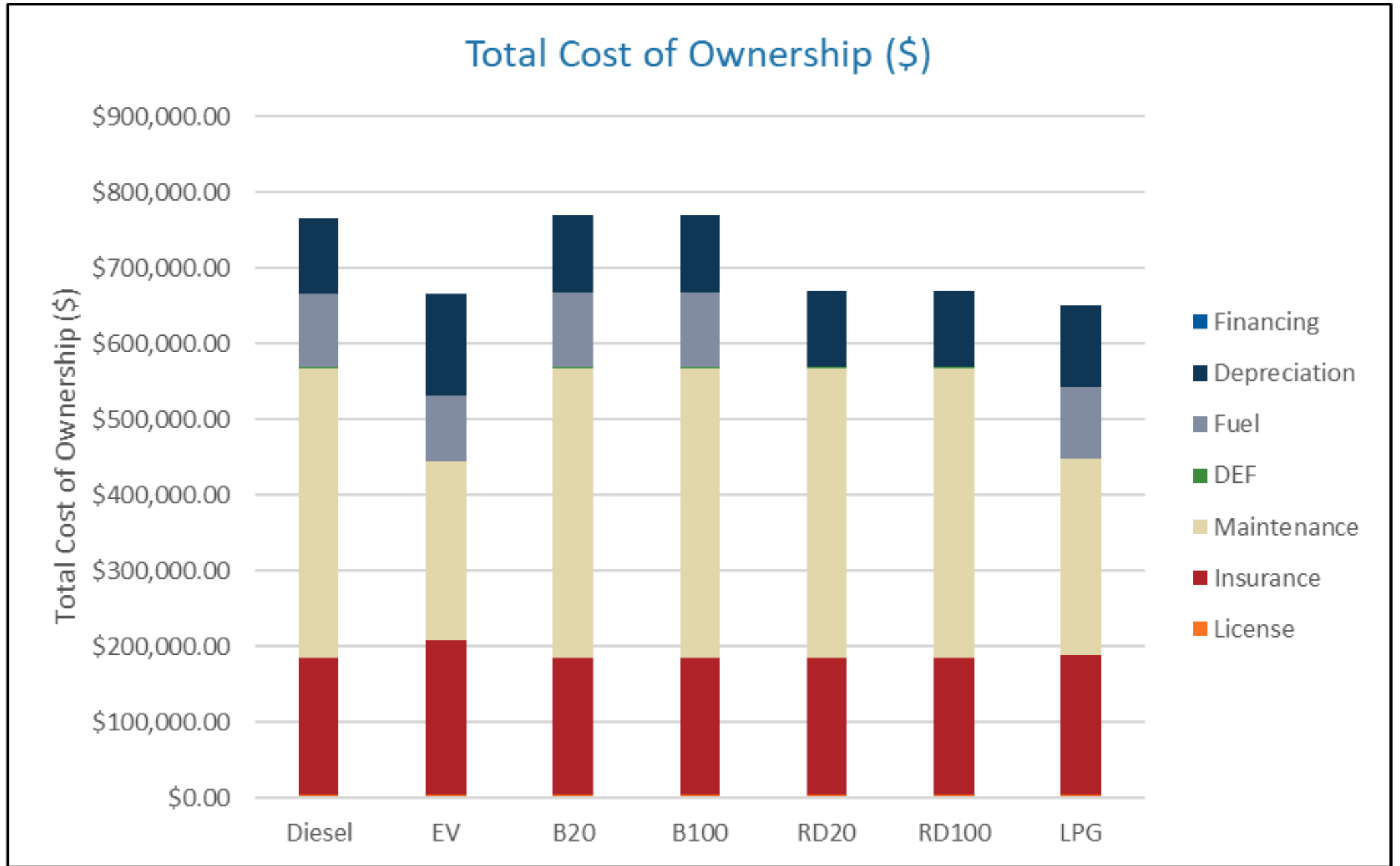


Data Source: AFLEET Online
afleet.esia.anl.gov

NEW YORK BUS SALES
SUPPORTING SCHOOL BUS ELECTRIFICATION



01 KEY FINANCIAL SUMMARY



15 Year TCO Comparison between Alternative Fuel and Diesel Fuel School Buses in New York State

02 CORE PERFORMANCE METRICS

Fuel	Fuel Unit	\$ / Fuel Unit
Diesel	Gallon	\$4.26
Electricity	kWh	\$0.22
B20	Gallon	\$4.27
B100	Gallon	\$4.66
RD20	Gallon	\$0.00
RD100	Gallon	\$0.00
LPG	Gallon	\$3.43

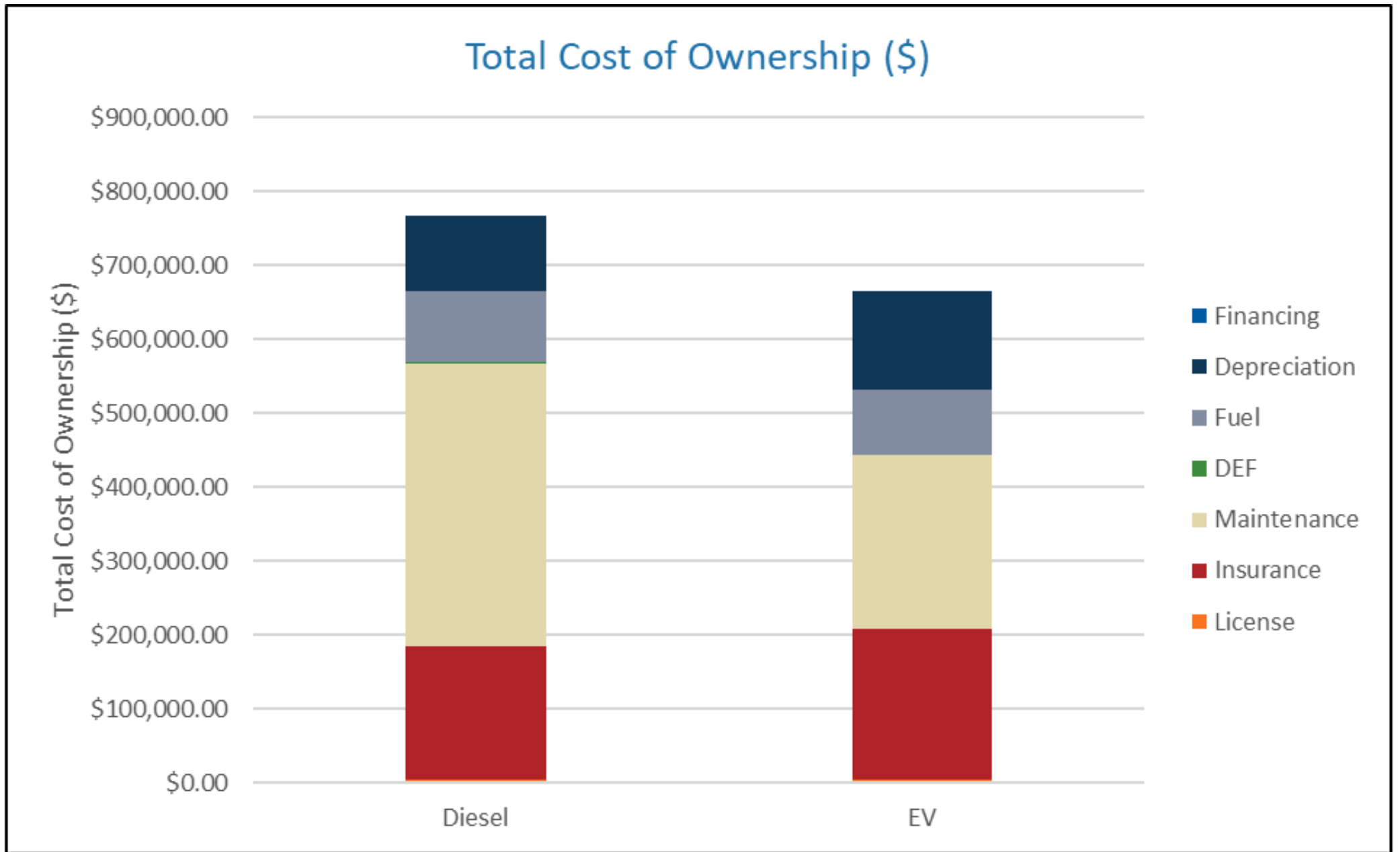
03 EXPENSE OVERVIEW

Top Expense Categories

Expense	Diesel	Electric	B20	B100	RD20	RD100	LPG
Financing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Depreciation	\$101,174.11	\$133,549.83	\$101,174.11	\$101,174.11	\$101,174.11	\$101,174.11	\$107,649.26
Fuel	\$96,651.38	\$87,707.81	\$98,795.45	\$99,247.52	\$0.00	\$0.00	\$94,450.55
DEF	\$1,960.27	\$0.00	\$1,960.27	\$1,960.27	\$1,960.27	\$1,960.27	\$0.00
Maintenance	\$382,502.21	\$234,903.89	\$382,502.21	\$382,502.21	\$382,502.21	\$382,502.21	\$258,394.27
Insurance	\$179,648.15	\$204,233.31	\$179,648.15	\$179,648.15	\$179,648.15	\$179,648.15	\$184,565.19
License	\$4,452.88	\$4,452.88	\$4,452.88	\$4,452.88	\$4,452.88	\$4,452.88	\$4,452.88
TCO	\$766,389.02	\$664,847.72	\$768,533.08	\$768,985.15	\$669,737.63	\$669,737.63	\$649,512.15

15 Year TCO Comparison between Alternative Fuel and Diesel Fuel School Buses in New York State

04 KEY FINANCIAL COMPARISON



15 Year TCO Comparison between Electric and Diesel School Buses in New York State

05 KEY INSIGHTS



- **Main Price Point Differences:** Fuel and maintenance costs show the largest price point differences between Electric and Diesel School Buses, with Electric offering significant savings over Diesel.
- **Funding Opportunities:** Funding for Electric School Buses is available from NYSERDA. Visit [Zero Emission School Bus](#) to learn more.

06 ADDITIONAL CONSIDERATIONS

Environmental/Public Health



1. Lifetime GHG Emissions: Electric School Buses produce nearly 78% fewer lifetime GHG emissions than Diesel School Buses.
2. Lifetime Petroleum Use: Diesel School Buses have the highest lifetime petroleum use, which is roughly 380 times the lifetime petroleum use of Electric School Buses.
3. Lifetime Air Pollutants: Diesel School Buses release nearly 2435% more lifetime air pollutants than Electric School Buses.

Last Updated: June 2026

<https://afleet.esia.anl.gov/afleet/total-cost-ownership-calculator>