Under The Hood: Electric School Buses

THE LION ELECTRIC CO.

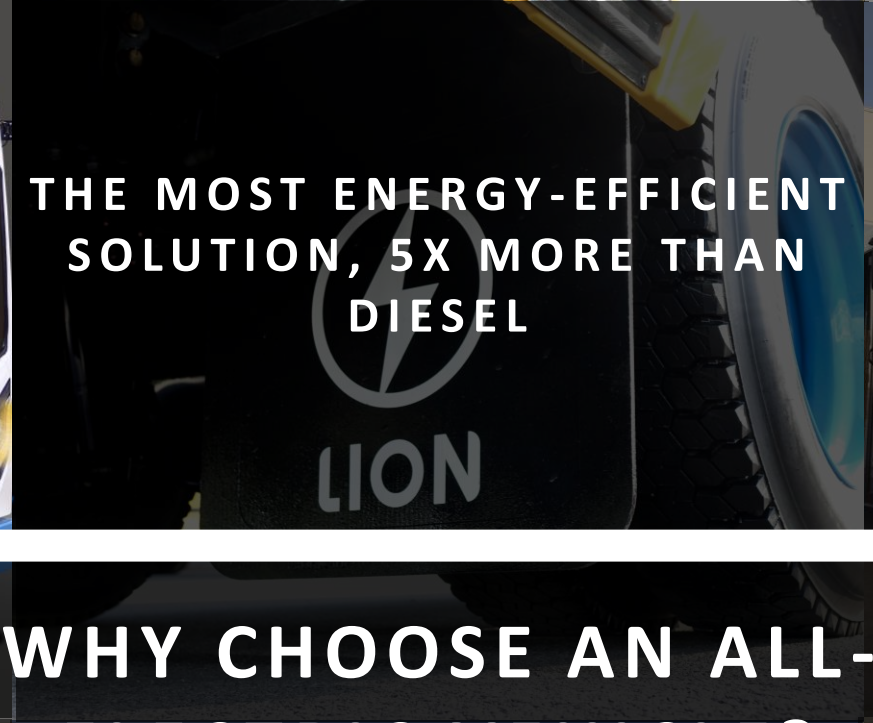
Richard Lee
Director of US Bus Sales

THE EV Story – Current and Future

Electric School Bus deployments began in 2018 with the current North America deployments amounting to over 600 units with 4 OEM suppliers providing those vehicles. The belief that transitioning to all-electric vehicles will lead to major improvements in our society, environment, and overall quality of life is real and currently supported by the delivery and daily operations of EV school busses. The movement is supported from all levels of legislation, Administration in the school districts, and most importantly the community. The zero emissions platform offers health benefits to all ages, elderly down to young children, the topic is serious with various studies supporting the need for improved air quality in todays world!

Lion Electric has committed to bringing the best in EV technology & Vehicles to the US states by establishing a 900,000 square foot manufacturing facility in Joliet, IL with the capacity of producing 1,400 Zero-Emission vehicles by Q1 of 2023. The facility will be 100% electric manufacturing providing school districts with the best of quality and technology. The Lion Electric “Vision” is to support and provide the best valued electric school bus to the school bus industry.

THE MORE YOU DRIVE, THE MORE YOU SAVE

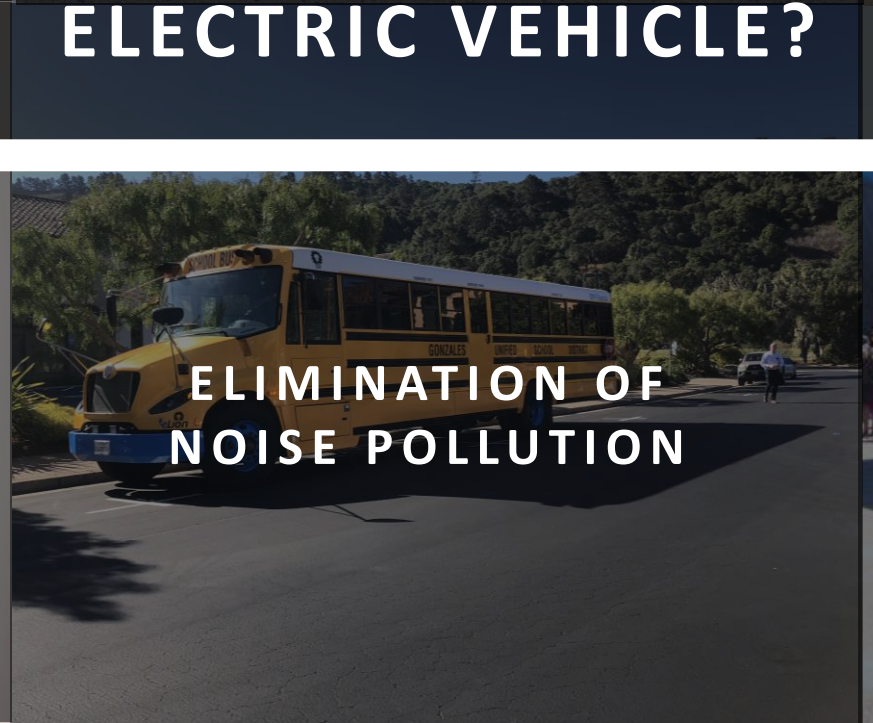


THE MOST ENERGY-EFFICIENT SOLUTION, 5X MORE THAN DIESEL

LOW LEVEL OF MAINTENANCE

WHY CHOOSE AN ALL-ELECTRIC VEHICLE?

CLEAN AIR FOR A BETTER BREATHABLE ENVIRONMENT



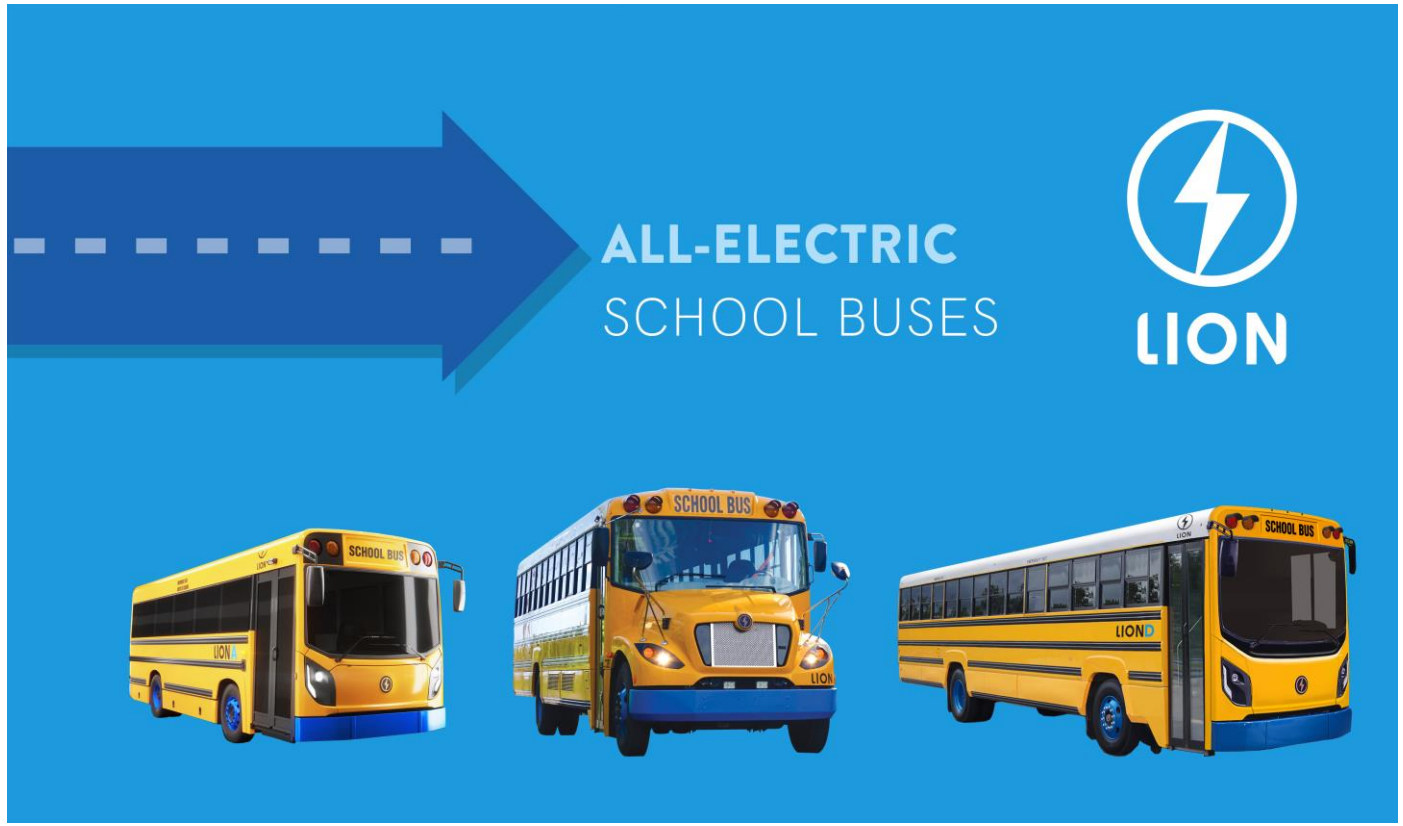
ELIMINATION OF NOISE POLLUTION

TRANSPORTATION IS THE LARGEST SOURCE OF GHG IN NORTH AMERICA

DISCOVER THE VALUE OF EV TECHNOLOGY

EV school Busses are designed and manufactured meeting all school transportation requirements while reducing the environmental footprint

- **100 to 155 MILE RANGE**
- **CLEAN ENERGY**
  Zero-emission solution
- **PROVEN TECHNOLOGY**
  Over 8 million miles driven
- **LOWEST TOTAL COST OF OWNERSHIP**
- **VIABLE SOLUTION**
  16-year battery life, 2nd life battery technology



The Lion Experience

THE ROAD TO A SUCCESSFUL DEPLOYMENT

- ✓ Vehicle & equipment choices
- ✓ Funding Resources – Lion Grant Team
- ✓ Charging solutions – Lion Energy
- ✓ Infrastructure – Electric Co-Op Provider
- ✓ Training – Lion Experience

THE MORE YOU USE IT, THE MORE YOU SAVE!

With our all-electric vehicles

SAVINGS

- More than 60% on maintenance
- More than 80% on energy cost

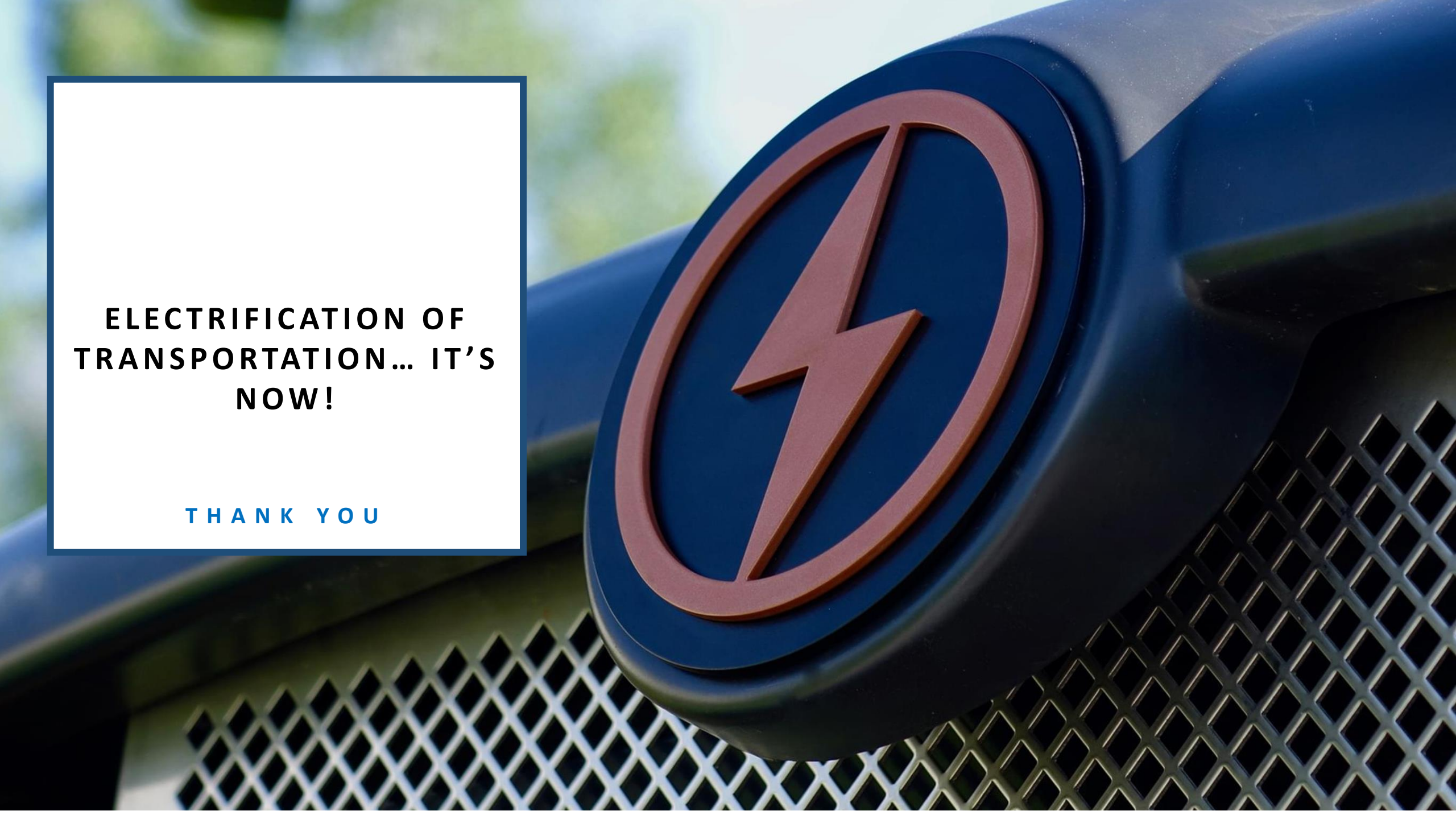
REGENERATIVE BRAKING

MAINTENANCE

- No engine maintenance
- Lower brake maintenance
- No oil change
- Eliminate air filter
- And more…

ELIMINATE

- Transmission servicing
- Exhaust components
- Emissions testing
- Diesel / Gas



ELECTRIFICATION OF TRANSPORTATION… IT'S NOW!

THANK YOU