

Blue Bird Electric School Bus

Presented by:
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BLUE BIRD®

Electric Type A, C & D



BLUE BIRD®



MICRO BIRD
by GIRARDIN





Total Cost of Ownership

Because there's no need for engine oil changes, and no transmission or engine to maintain, Blue Bird's electric buses have a lower cost of maintenance than a traditional, combustion-fueled bus



ZERO EMISSIONS

Cleaner air for our children



GO FURTHER

Up to 120 miles on a single charge



REDUCED MAINTENANCE COSTS

Less parts = less maintenance



VEHICLE TO GRID TECHNOLOGY

V2G technology allows sale of energy back into the grid



TEMPERATURE CONTROL

Excellent performance in many weather conditions



BATTERY CAPACITY

14 batteries = 160kWh

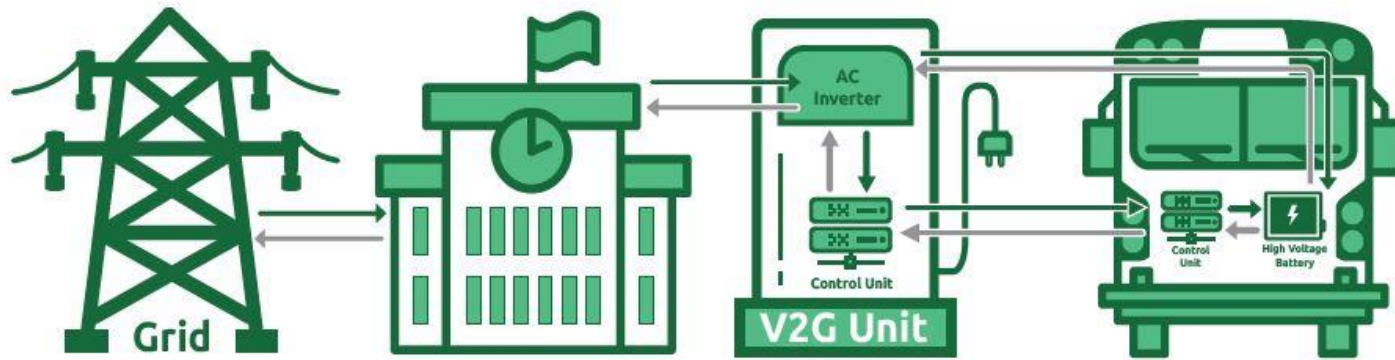


SERVICE & SUPPORT

Extensive North American dealer channel



EV Charging Options - Vehicle To Grid (V2G)



- The Blue Bird Vision and All American will offer the option of V2G technology by August 2020.
 - V2G creates opportunities for utilities to “buy back” stored energy that the buses are not using.
 - V2G also creates the ability redirect the excess power to other structures like the building or fuel island.
 - This is valuable for peak season consumption times, as well as natural disasters when energy needs increase.

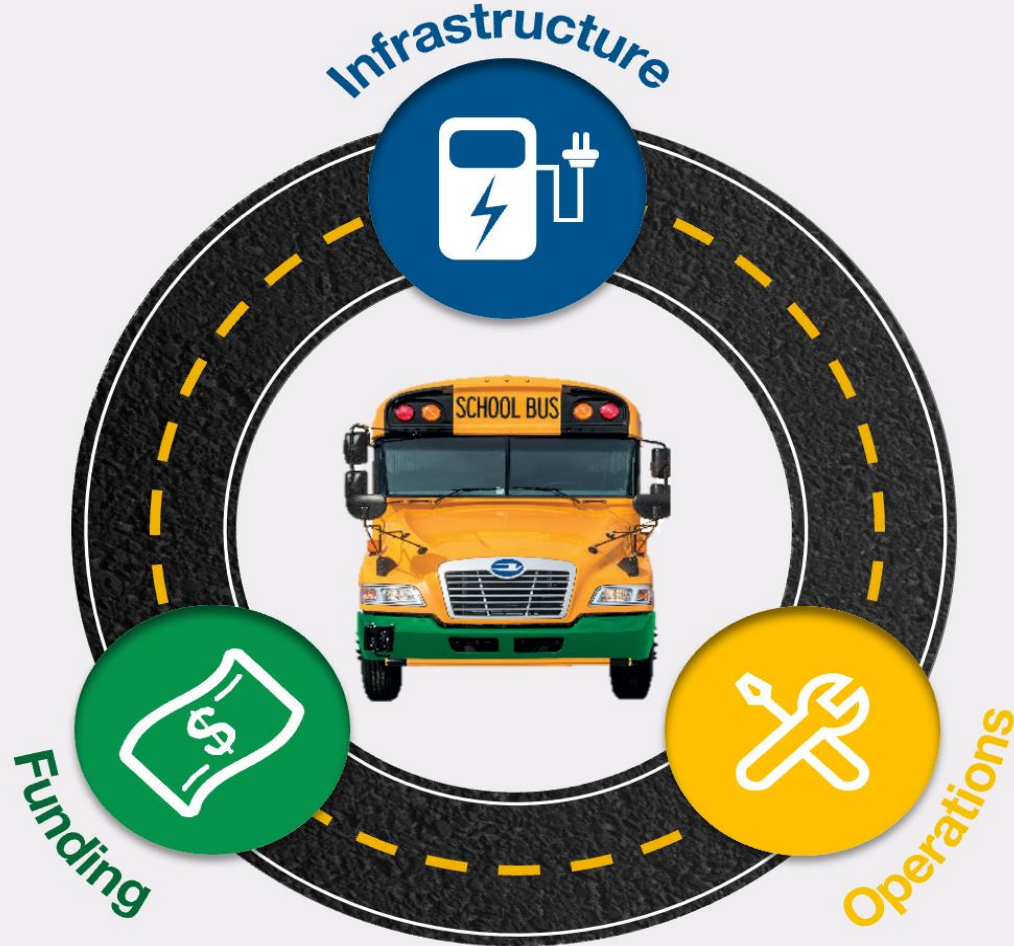
V2G OPTIONS

- CEC Bid Requirement – 19kWh
- DOE Requirement – 150kWh
- Standard Market Offering – 60kWh



- Total of \$10M project funded by US DoE and SCAQMD.
- Blue Bird is the awardee
- Develop and deploy 8 commercially viable EV V2G School Bus at Rialto USD
- Major project goals
 - High powered V2G system - 150Kwh (More than 2x anything on the market).
 - Negotiate and implement interconnection agreements with Southern California Edison and the California Independent System Operator (CAISO) so the school bus can participate in a variety of energy markets.
- Grant also includes budgets for development and demonstration costs (e.g. up to 4 prototype buses will be built).
- Current status – first two prototype buses have been built. Goal is to deliver 8 units to RUSD by late 2021, including charging system installation

EV Ecosystem Partners (EV Roadmap)



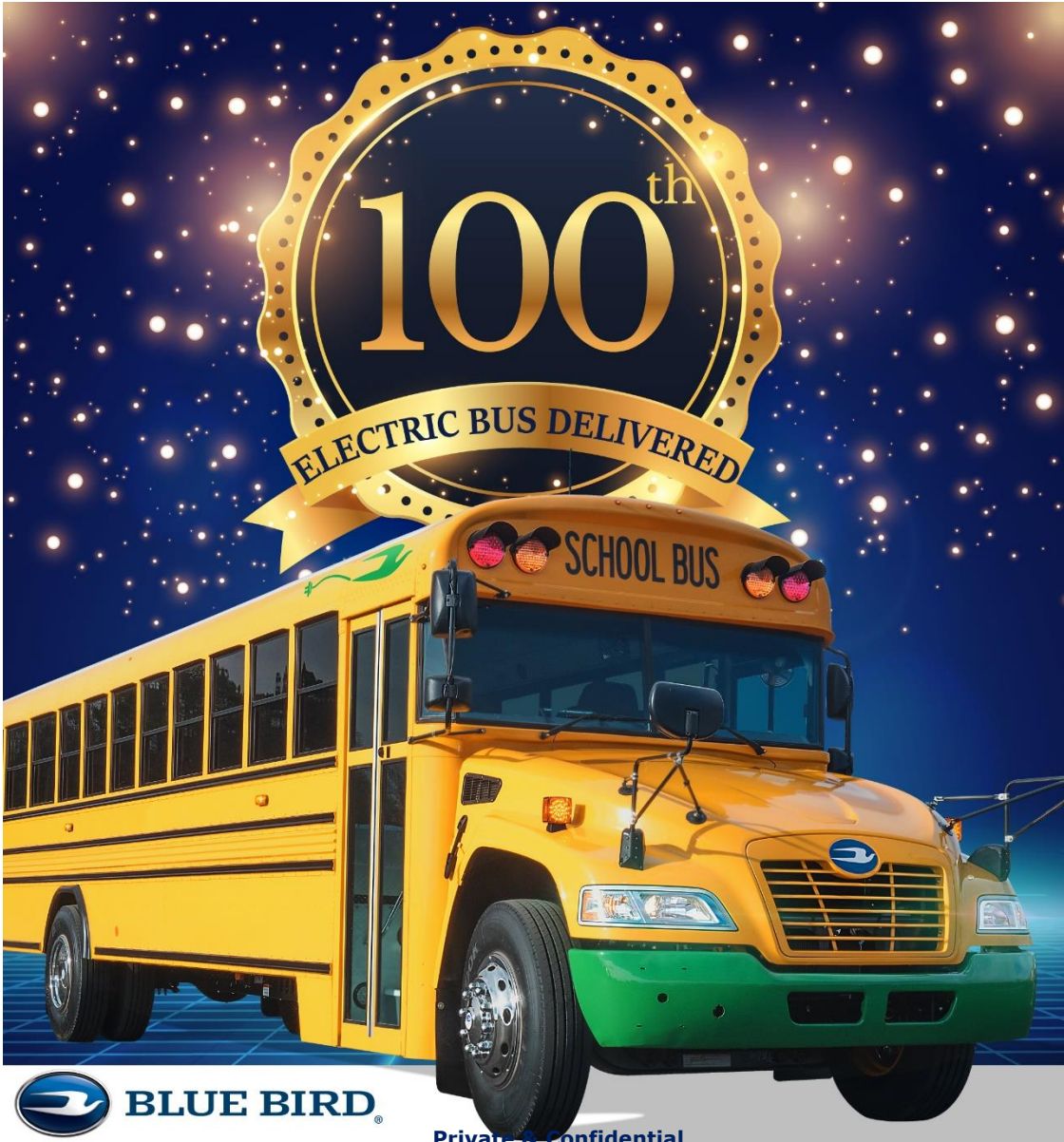
As Pioneers in the industry, Blue Bird has been navigating the electric bus landscape since the 90's. We've teamed up with the leading experts to bring you a school bus built on our legacy of quality, reliability and safety. Take a journey with us to see if Electric is the right choice for your fleet.



Dedicated Dealers and Service Centers located across North America!



100th Bus Delivered!



Private & Confidential

Thank You!



BLUE BIRD[®]