

IC BUS® ELECTRIC CE SERIES SCHOOL BUS



10 Things to Consider Before Purchasing an Electric School Bus

IC Bus can guide you through the process starting with route simulations, grant applications, coordinating with local utilities, and, ultimately, planning and building an electrical-charging infrastructure solution that will suit your needs today and in the future.



Learn more at
www.icbus.com/electric

- 1 Infrastructure installation timing:**
It could take 12 months or longer to get electric charging infrastructure installed at your facility.
- 2 Parking layout:**
Does your bus parking lot have the appropriate layout to accommodate charging of an electric bus for several hours or overnight?
- 3 Route selection:**
Do you have school bus routes that fit within the estimated range of the electric bus you are considering? Remember that published ranges are maximum ranges and you will likely achieve less than this in operation. Factors such as terrain, HVAC usage and traffic conditions on a route could greatly impact what range is possible.
- 4 Grant funding:**
Be sure to utilize consulting resources to help you navigate the process of applying for electric school bus grant funding.
- 5 Driver training:**
Driving an electric school bus is very different than buses with other powertrains. Driver training is essential in achieving proper vehicle performance and expected mileage range. Drivers should also be trained on new pre/post-inspection and charging procedures.
- 6 Technician training:**
It is very important that your technicians are ready to work on electric school buses safely.
- 7 Long-term fleet plan:**
What are the long-term goals for your fleet make-up? Do you want to have only one fuel type or a mix?
- 8 Charging stations:**
How much time you will have to charge a bus could dictate what type of charging equipment you need to purchase.
- 9 Acquisition cost:**
Since batteries are the major driving cost for an electric bus, think about balancing your range needs with cost when selecting what bus to purchase. For example, if you can charge the bus in the middle of the day between routes you may be able to save money and purchase a bus with lower mileage range and still meet your needs.
- 10 Phase-in approach:**
An electric school bus will not be able to immediately replace every school bus in your fleet. You, therefore, may be most successful with incorporating electric buses into your fleet if you introduce them slowly versus with large quantities at a time.



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