

## A checklist for your electrification journey



Each electric bus charging scenario is unique, but here's a general checklist of steps to consider for a successful implementation:

### Assess your current fleet.

- How many vehicles and what type do you have now?
- How many will you need down the road?
- What are your current fueling costs?

### Assess your operational requirements.

- What are your typical route lengths and durations?
- How frequently do your vehicles stop?
- What are your peak demand times?
- Are there any special considerations (e.g., overnight routes)?

### Evaluate your electrification infrastructure needs.

- How many locations will you need to equip with EV charging?
- What does your site plan(s) look like?
- How much electrical capacity do you have? And how much will you need?
- What is your local grid capacity and reliability?

### Conduct a cost analysis for the project and include:

- Initial capital costs for electric buses
- Infrastructure development costs
- Operational cost projections
- Potential savings over time (maintenance, fueling costs, etc.)

### Evaluate technologies.

- Research available vehicles and charging solutions that best fit your operational needs.
- Assess compatibility with your existing fleet management systems, such as scheduling and dispatch.
- Understand how these technologies enable you to perform key tasks such as orchestrating charging and tracking performance of your BEBs.

### Explore financing options.

- Research available grants and incentives for passenger transportation fleets.
- Look into potential partnerships with local businesses or utilities.

### Engage with stakeholders.

- Present a business case for making the transition to zero-emissions buses.
- Develop a communication plan.
- Organize workshops or feedback sessions.
- Survey drivers, mechanics and other staff about their knowledge and concerns.

### Pick the right team.

- Compare EV charging technology providers and their offerings.
- Establish your selection criteria. Choose partners who can meet you where you are today and help you scale for tomorrow.
- Understand the different pathways to procuring your technologies.
- Find local contractors and installers with EV charging infrastructure knowledge.
- Make sure each vendor offers a service level agreement that works for your operation.

### Create an implementation timeline that includes:

- Project milestones
- Acquisition of vehicles
- Infrastructure development schedule
- Full transition goal date

No matter where you are in your electrification journey, our experts are here to help. **Get in Touch.**

