Transportation & Innovation Expo
The Transit Market Is Rapidly Shifting To Electric Vehicles

• Moving toward widespread industry adoption
• Major cities making commitments to zero-emission transportation
• Purchase barriers eliminated due to:
  – Improved range
  – Charging standardization
  – Sharp decline in battery costs
  – Service-proven performance
Major cities adopting EV transit technology

- New York: 100% EV by 2040, 4,700 buses
- Chicago: Piloting since 2014, 2,100 buses
- Washington D.C.: 100% EV by 2045, 1,900 buses
- Seattle: 100% EV by 2034, 1,500 buses
- Philadelphia: Piloting since 2017, 1,500 buses
- Miami: 50% EV by 2035, 800 buses
Purpose-Built Design Enables Superior Efficiency And Performance

- Lightweight bus body
- Heavy-duty battery packs
- Universal charging
- High efficiency drivetrain
Understanding Range of Electric Buses

- Make an informed decision with a route analysis
- Match the on-board energy storage to your route requirements, total daily mileage and layover options
- Range is impacted by weather conditions, driver behavior, vehicle configuration, frequency of stops
- Vehicles available with varying battery capacity up to 660 kWh with over 300 miles range
Standardized Charging for Electric Buses

• Plug-in charging systems available in a range of power levels
• Overhead charging systems for depot or fast on-route charging
• Buses and charging systems that utilize standardized systems enable interoperability and can be shared with other electric vehicles
Implementing Charging Infrastructure

• Installing charging infrastructure for electric buses can be complex
  – Requires engineering design, construction, utility equipment upgrades, charging systems
• Simplify the process with:
  – Site planning & fleet modeling
  – Turnkey infrastructure installation
  – Smart energy management
  – Infrastructure financing assistance
  – Working with an experienced provider
Thank you!

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