

CTA Bus Fleet Electrification

Chicago Advanced Energy

November 7, 2019



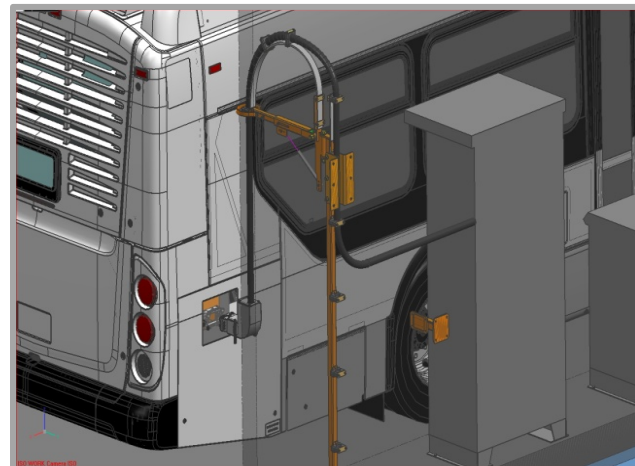
CTA Bus Fleet Electrification

1. Where are we today?
2. What is our future target?
3. How will we get there?
4. What is our biggest challenge?



Within the next year (or so), CTA will have 25 electric buses.

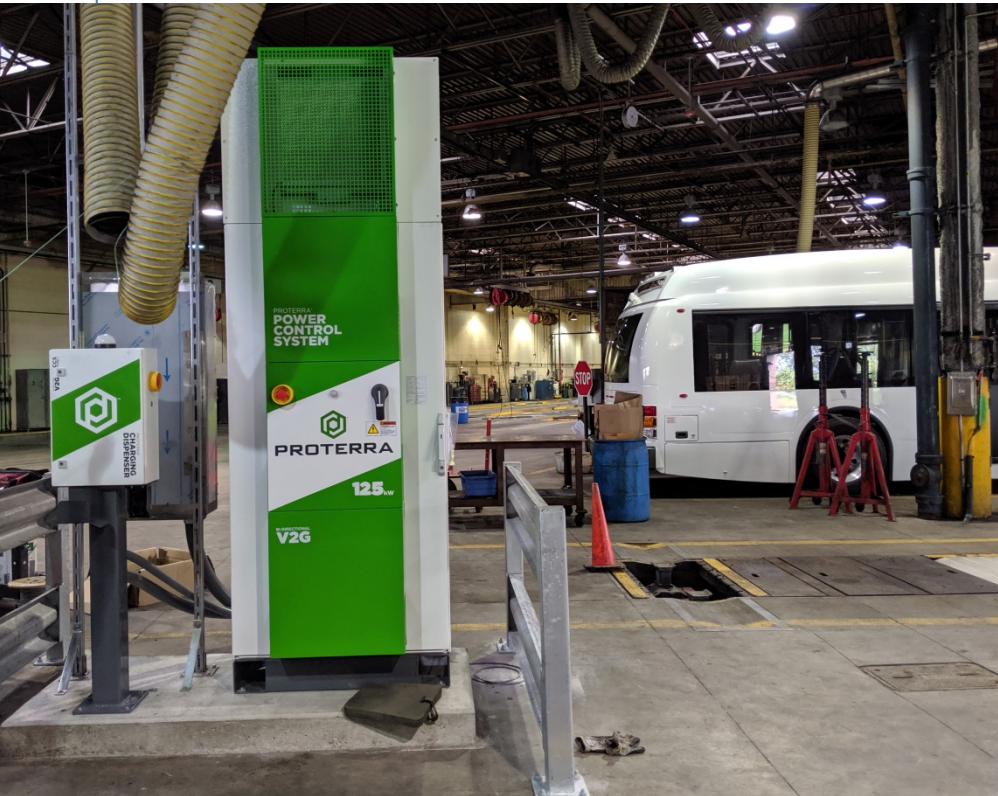
CTA e-bus fleet	In service 2014	In service 2020
Manufacturer	New Flyer	Proterra
Number purchased	2	20+
Charging location	Bus garages	On-route
Battery capacity	300 kWh	440 kWh
Range	100 miles (run 80)	>100 miles (run ??)
Charger power	100 kW ("slow")	450 kW ("fast")
Service times	AM & PM rush	24/7
Service routes	Flexible	Fixed: #66 Chicago



What about the remaining 1,837 buses in CTA's fleet?!

*Target set by
Mayor Lightfoot,
former Mayor Emanuel,
and the Chicago City Council:*

**Full fleet
electrification
by 2040**



Infrastructure is key – and it's expensive.



For mobility and transportation to enable a carbon-free Chicago, we must first address **the affordability of charging infrastructure for electric vehicles.**

