



Electreon's wireless charging performance results

September 2024

Data from the nation's first public wireless charging road in Detroit, MI

The nation's first public wireless charging road

One technology, two in-road wireless charging solutions

- **Dynamic** electric road ¼ mile along 14th St. between Dalzelle St. & Marentette St., charges EVs as they drive
- **Static** charging when parked, on two static parking spaces near Michigan Central station

Modular infrastructure charges any vehicle type

UPS world-leading delivery company will utilize this technology to power its delivery vehicles, with others in the pipeline

5-Year MOU with Michigan State

To lead Michigan and the U.S. in large-scale deployment of electrified roadways



Map of charging locations, Detroit, MI

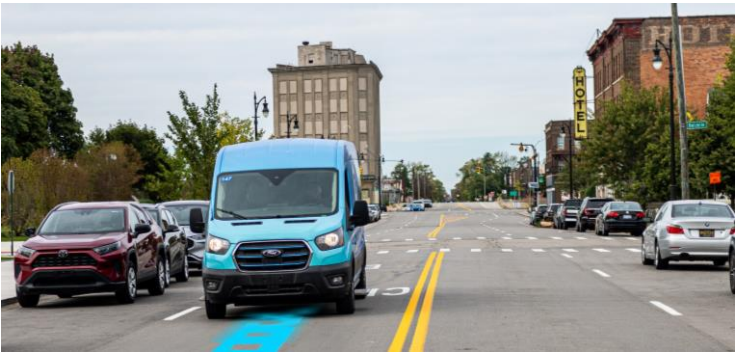


Ford e-transit van shuttle “Ellie”

“I’m Ellie the EV, the road charges me while I drive”



Static charging



Dynamic charging

September key metrics & findings

0 min
Plug charged

19%
of total operational time
includes charging

101.5 kWh
Total wireless energy
charged

202 mi
Total distance driven

38.1 hrs
Operation time

0 min
System downtime

7.43 hrs
Wireless charging

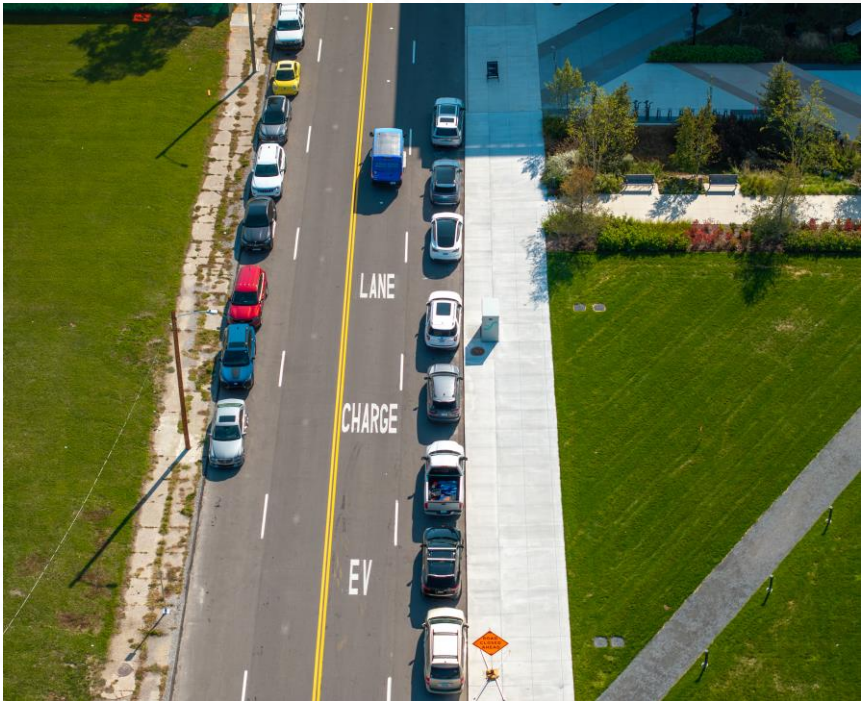
11 days
Operation

Activities

- System refinement and adjustments
- Driver training
- 4 demonstration events

Weather

- 1 rainy day (0.06 in)
- Temperatures ranged from 67°F to 88°F



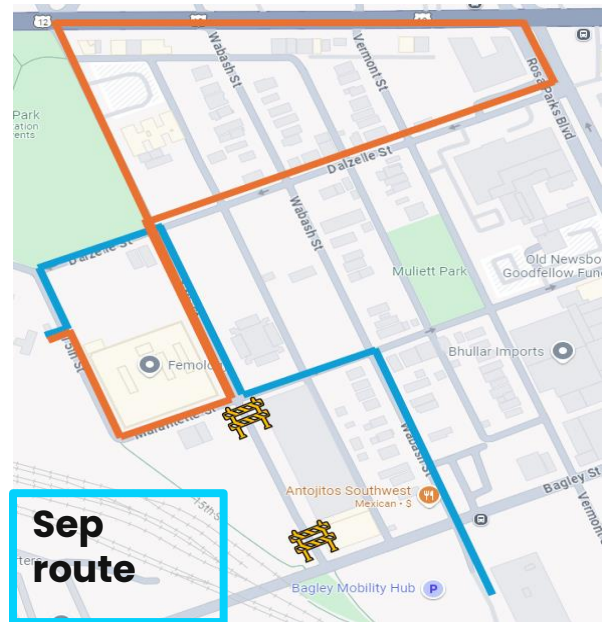
September highlights

Shuttle testing background

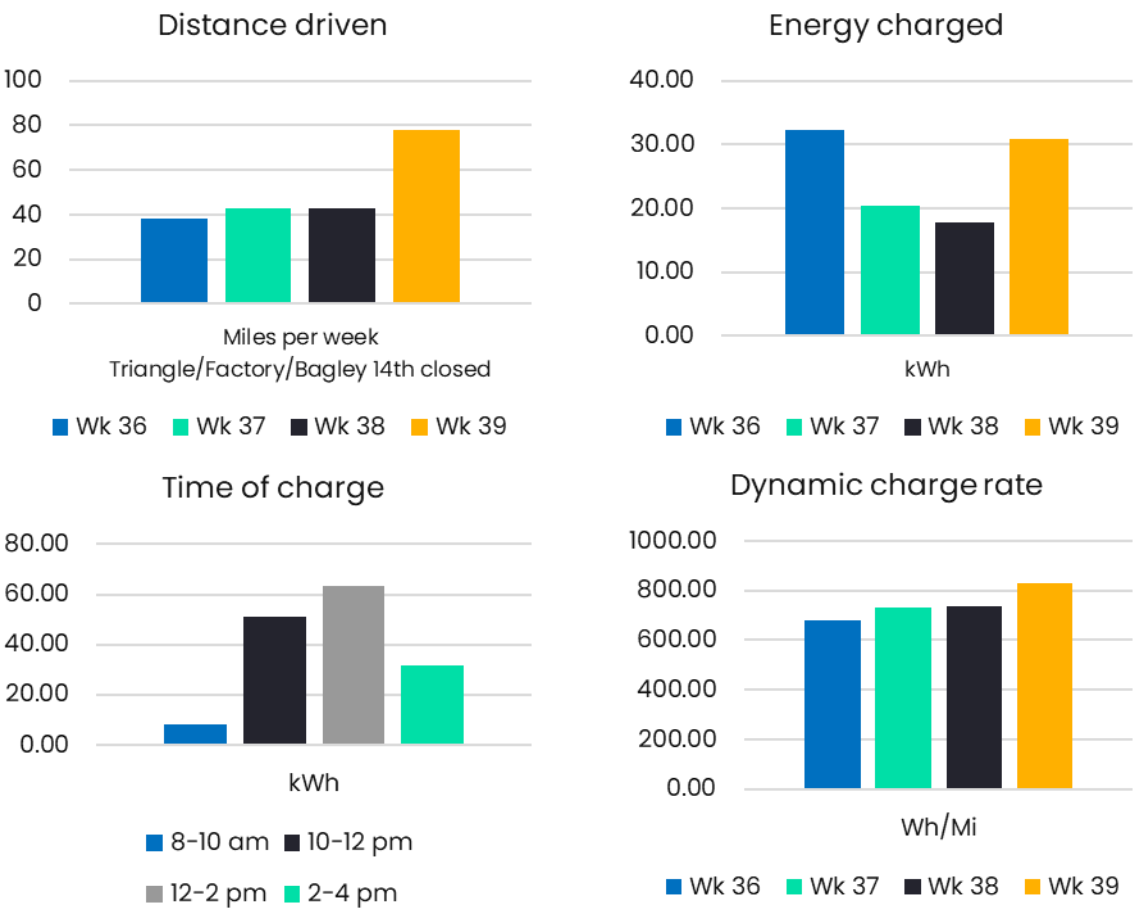
- Shuttle testing started on August 1st
- All dates in the data below are by calendar weeks (January 1st = wk 0, December 31st = wk 52).

Route adjustments

- Modified in August, previously ran from Michigan Central to Ford Factory
- From September, route runs from: Bagley garage -> Michigan Central -> Ford Factory -> Bagley garage; still detoured due to construction closing on 14th St.



September highlights



Weekly energy insights

- Increased energy on calendar week 36 was due to demonstrations which spent more time charging on the static charger.
- Calendar weeks 37 & 38 had 2 testing days instead of 3 planned days due to summer events & system optimization
- Calendar week 39 included 4 testing days to accommodate a system demonstration

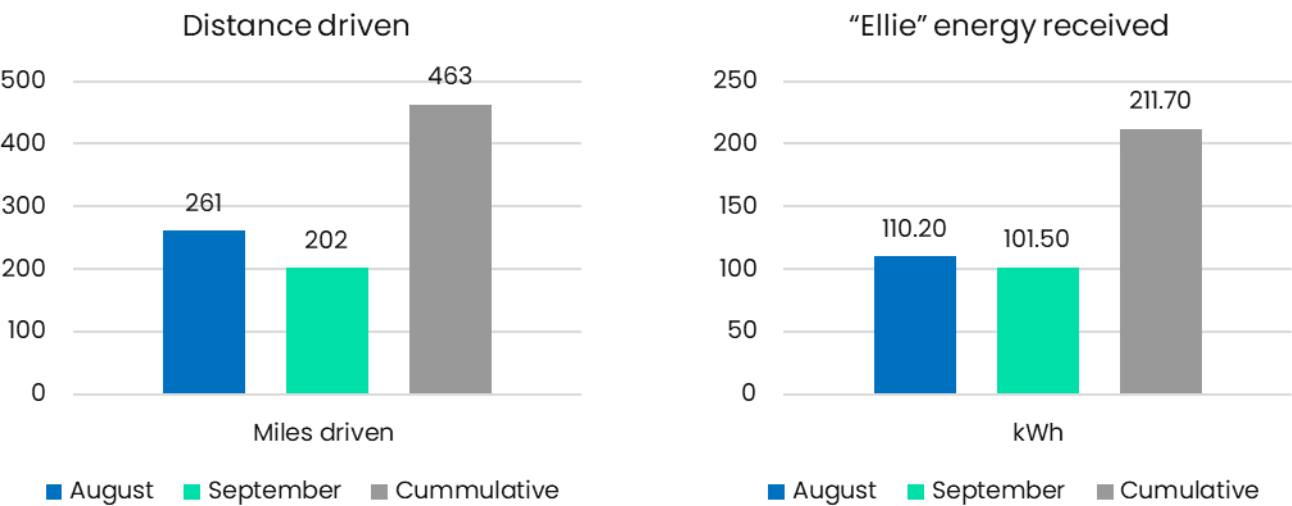
Time of charge

- Shuttle operated outside DTE’s peak hours of 3-7 pm to avoid peak electricity rates
- The daytime shuttle schedule aligns with peak solar energy production (greener energy powering the shuttle).

Dynamic charge rate

- Charge rate increased due to driver training & system improvements

August & September cumulative testing results

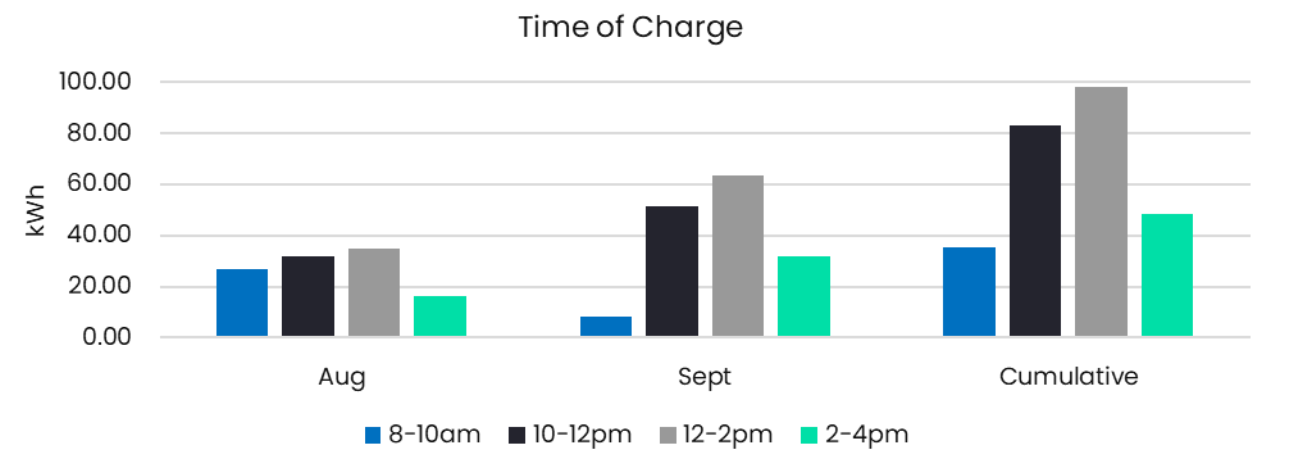


Miles Driven

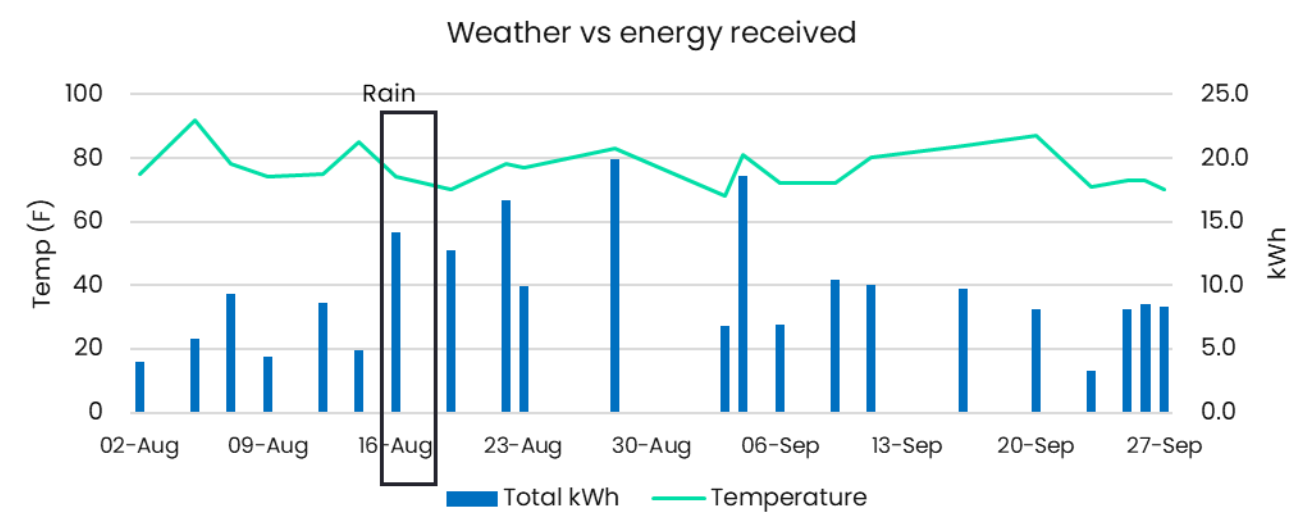
- 261 miles driven in August
- 202 miles driven in September
- Reduction is due to summer events (blocked roads) and system demos allowing for less driving time

Operation Hours

- 45.7 hrs in August
- 38.1 hrs in September



Negligible weather impact on charging



Notes:

- Weather remained consistent and mild through August and September, showing negligible impact on charging performance
- The rainy day had no measurable effect on charging
- Monitoring will continue as more diverse weather patterns and data are collected

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Thank you.