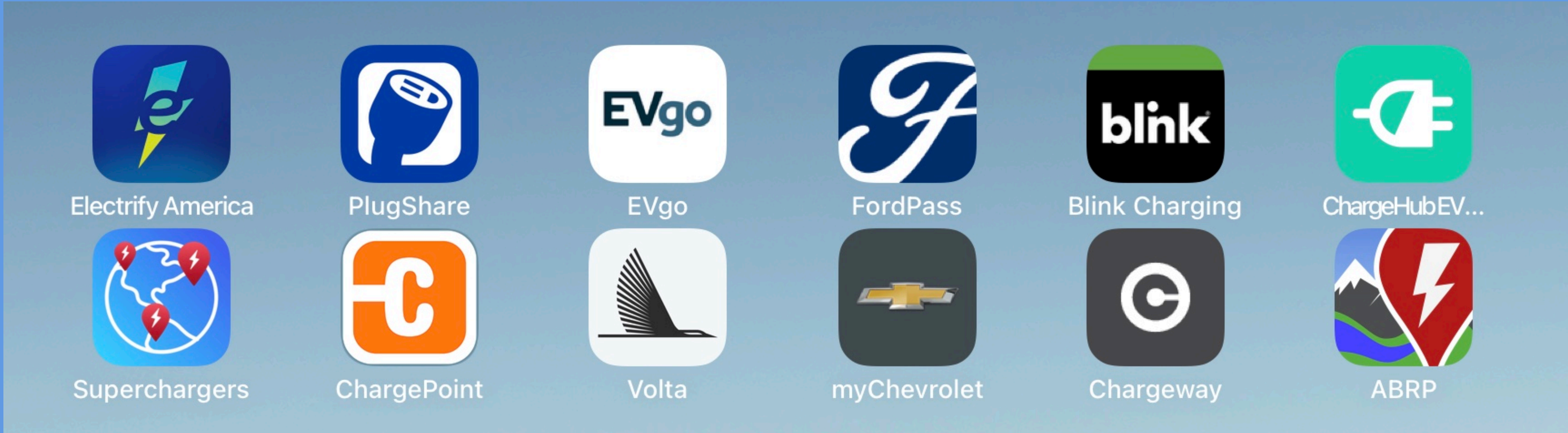
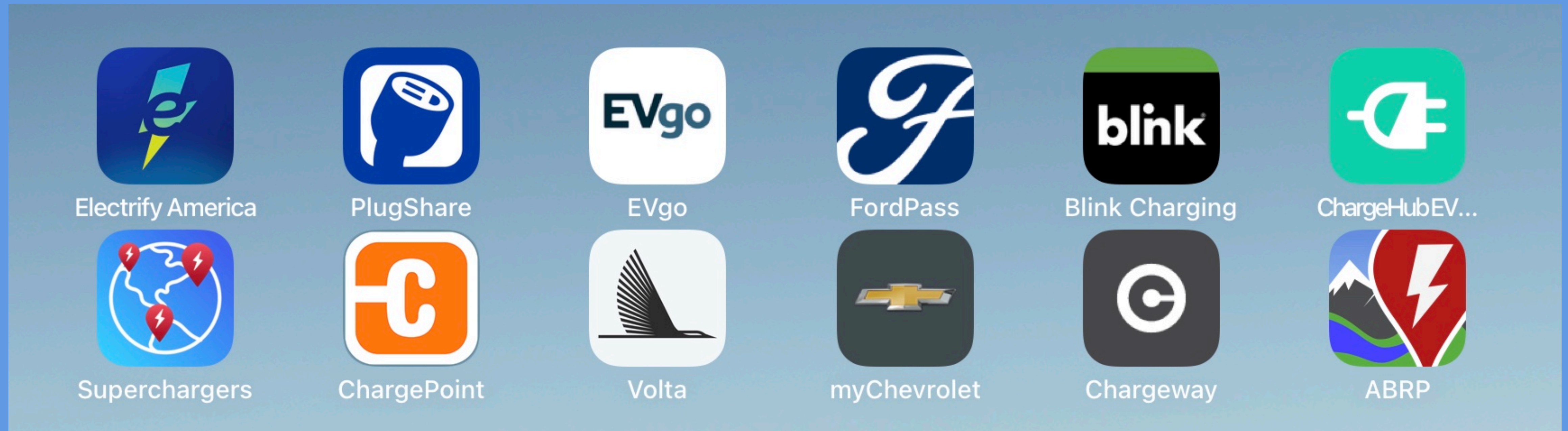


EV apps

# Session ??: Charger Apps



## Session ??: Charger Apps



There are a lot of apps for charging networks - some actually are charging networks - one in particular - is pretty good at finding chargers regardless of network. Some even claim to be a networks but are really just a list of chargers.

## Session ??: Charger Apps



Starting with the ones that I find  
most useful.

Electrify America

Superchargers

PlugShare

ChargePoint

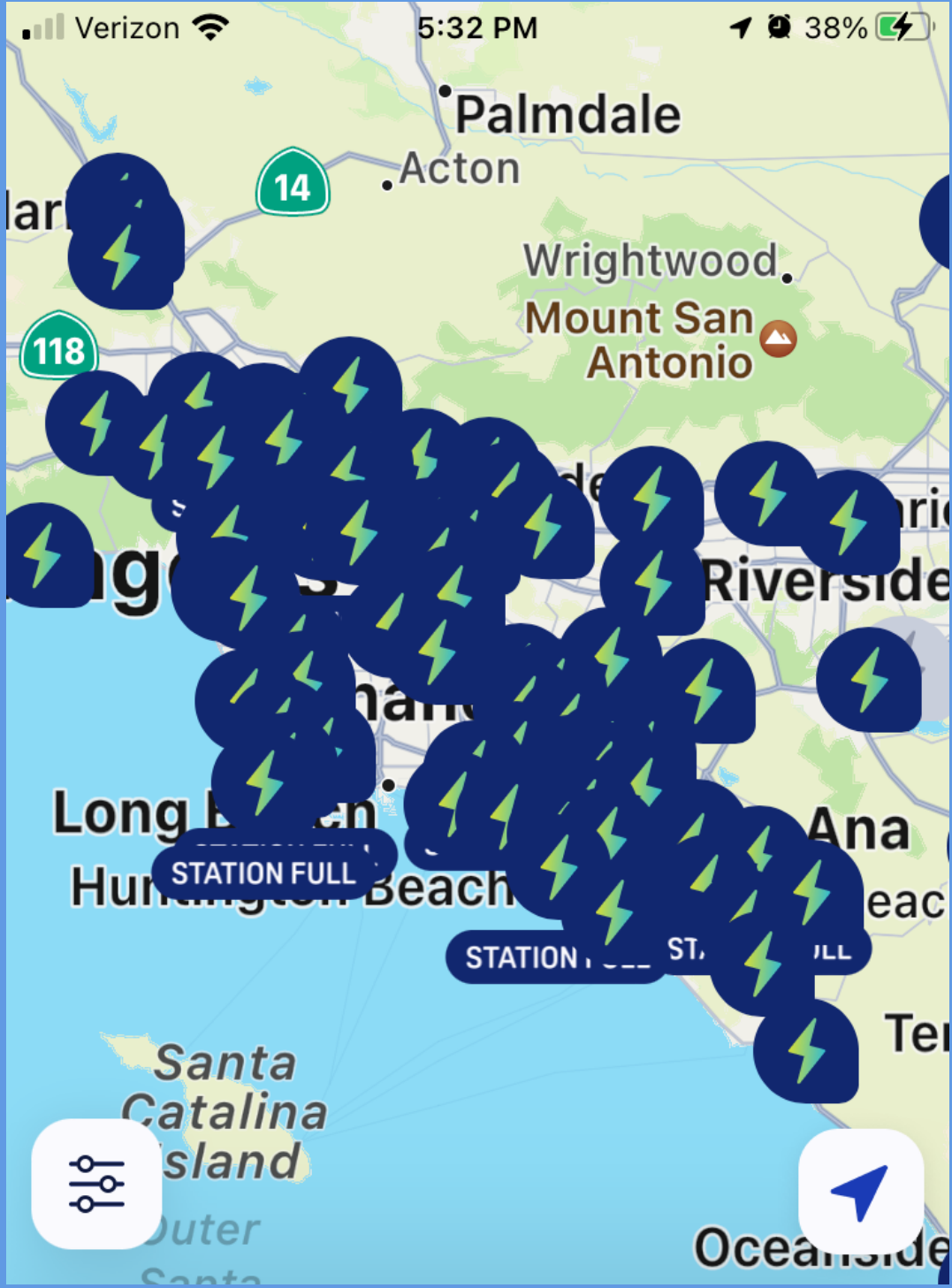
# Session ??: Charger Apps



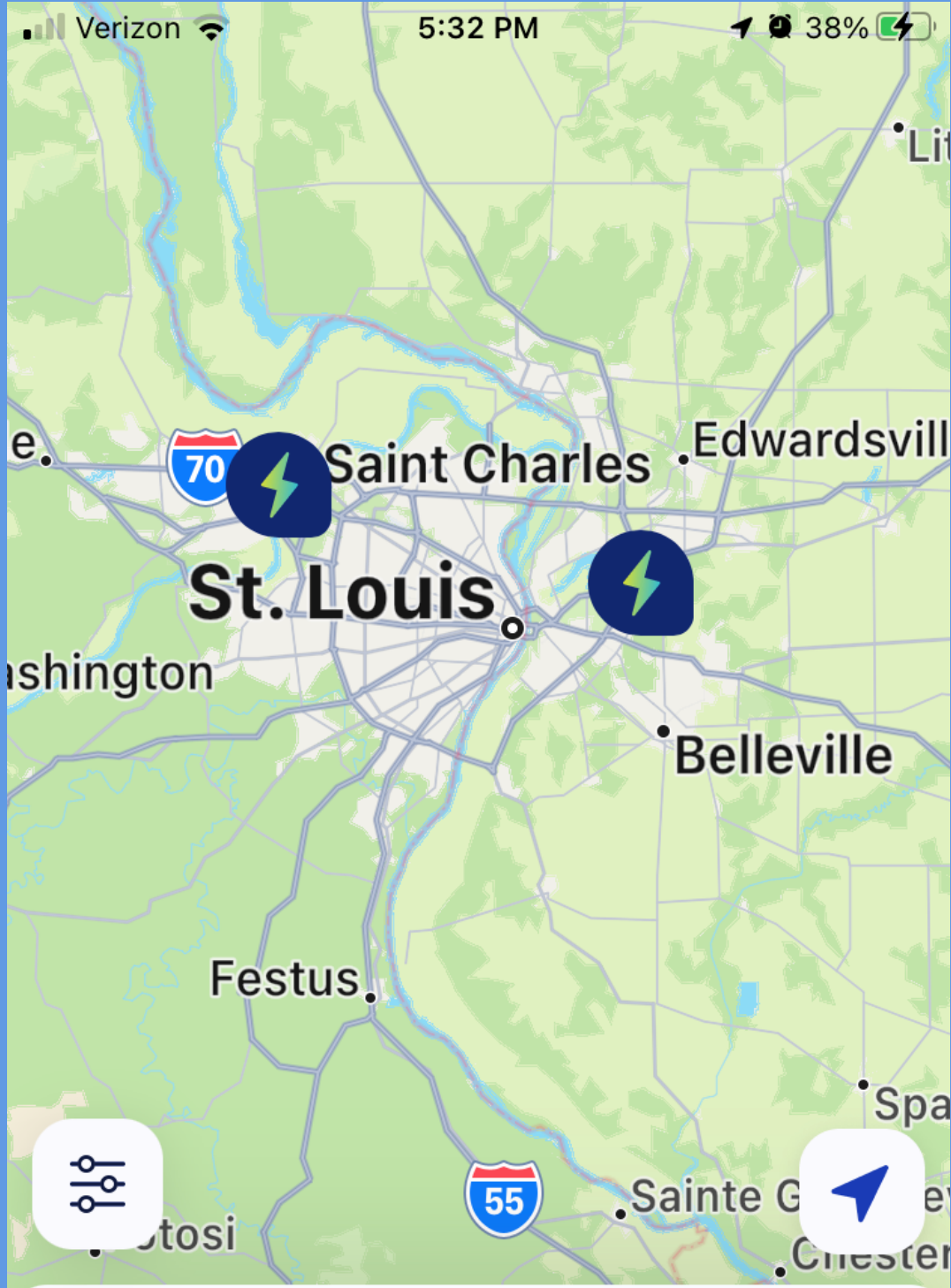
The Electrify America charging network. Showing every location - looks pretty.



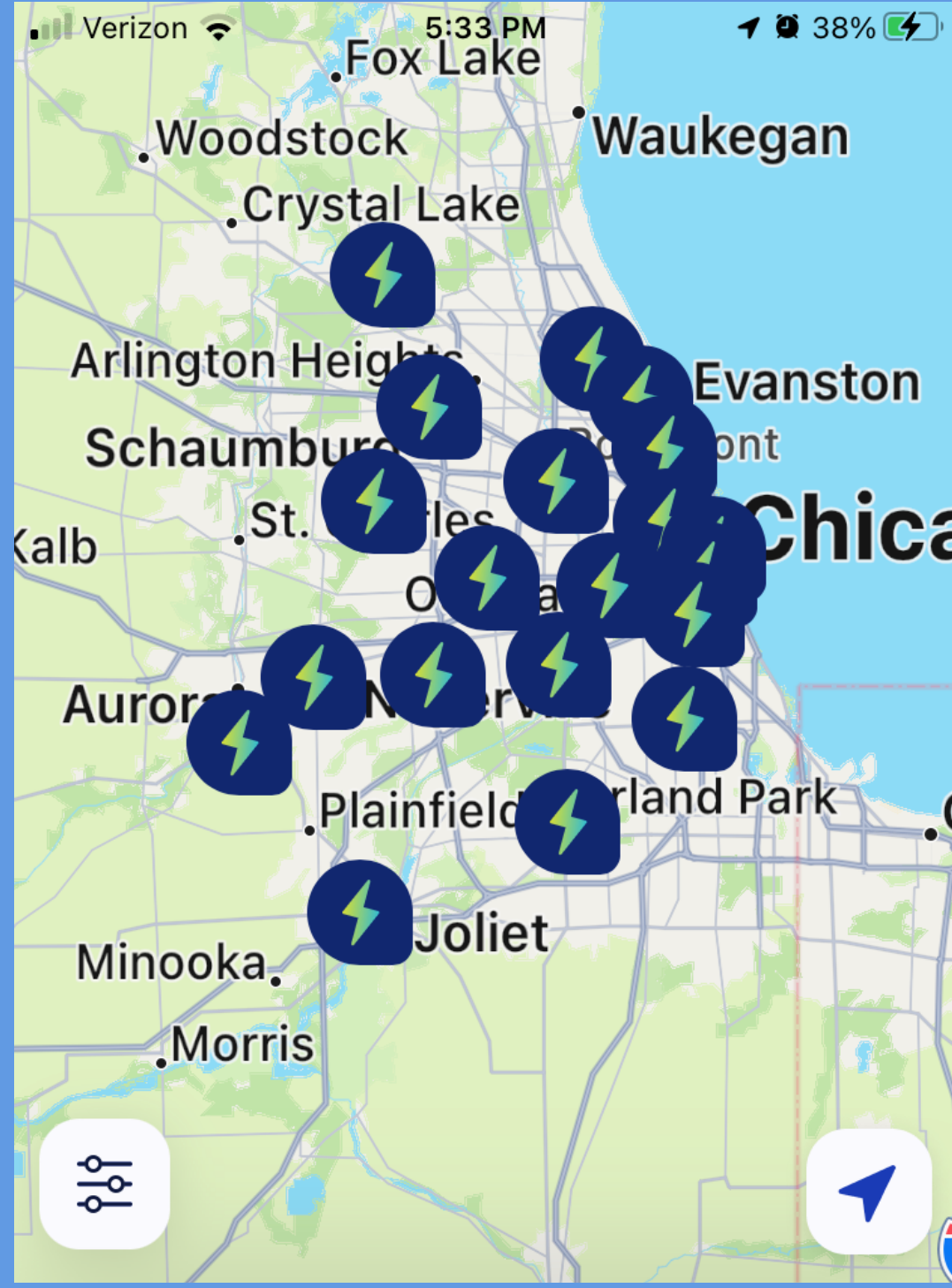
# Session ??: Charger Apps



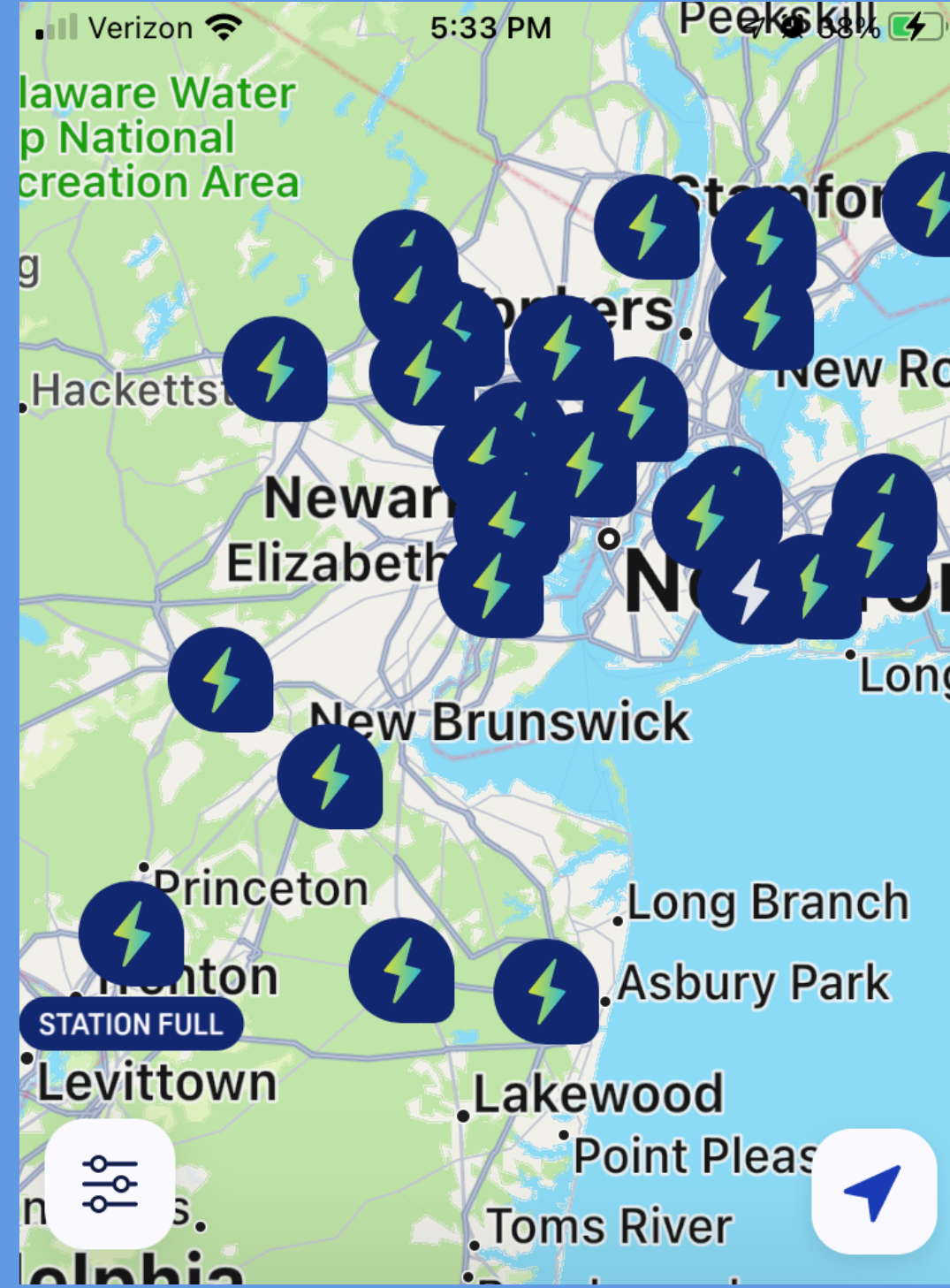
Los Angeles



St Louis



Chicago

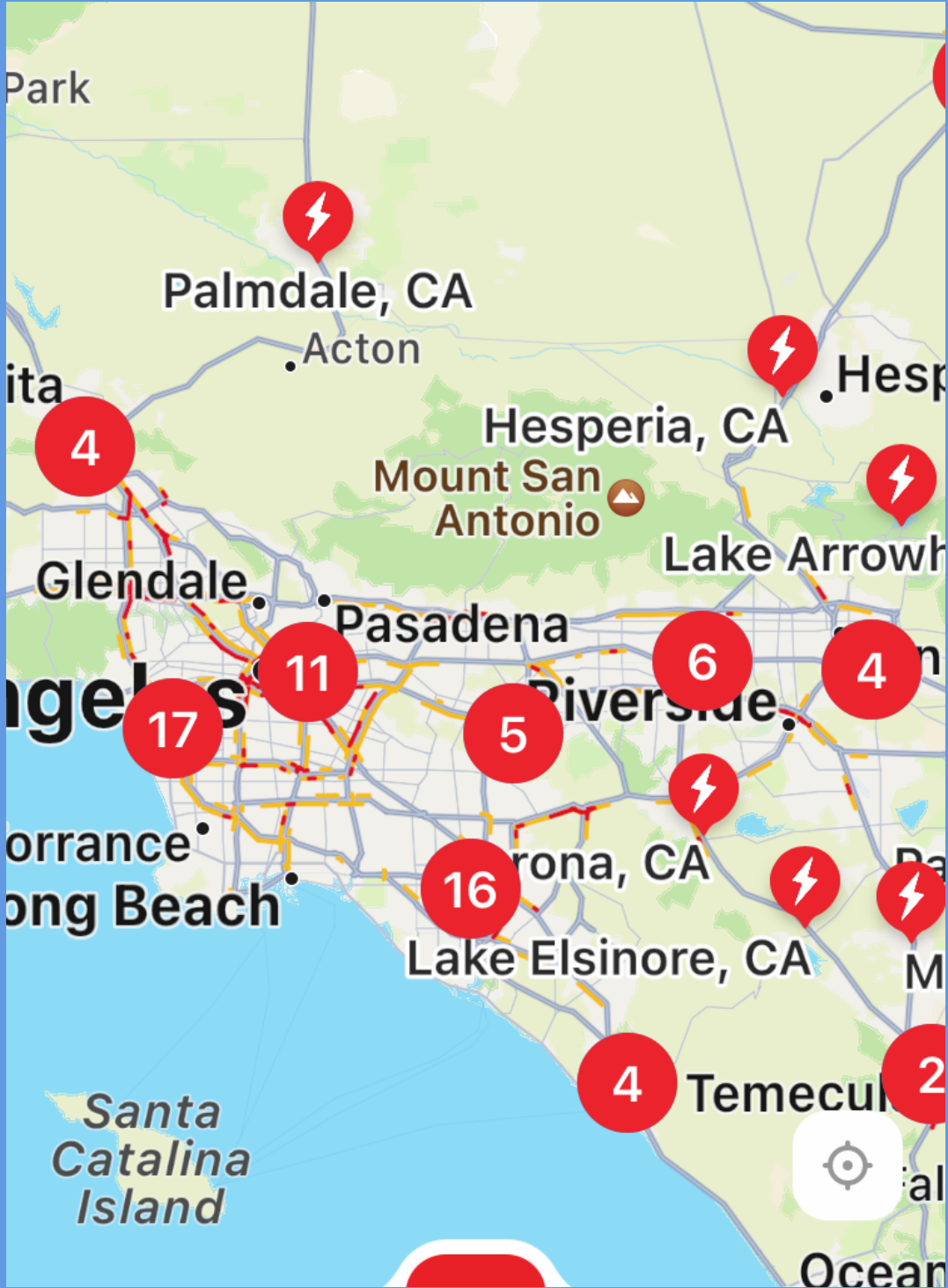


New York

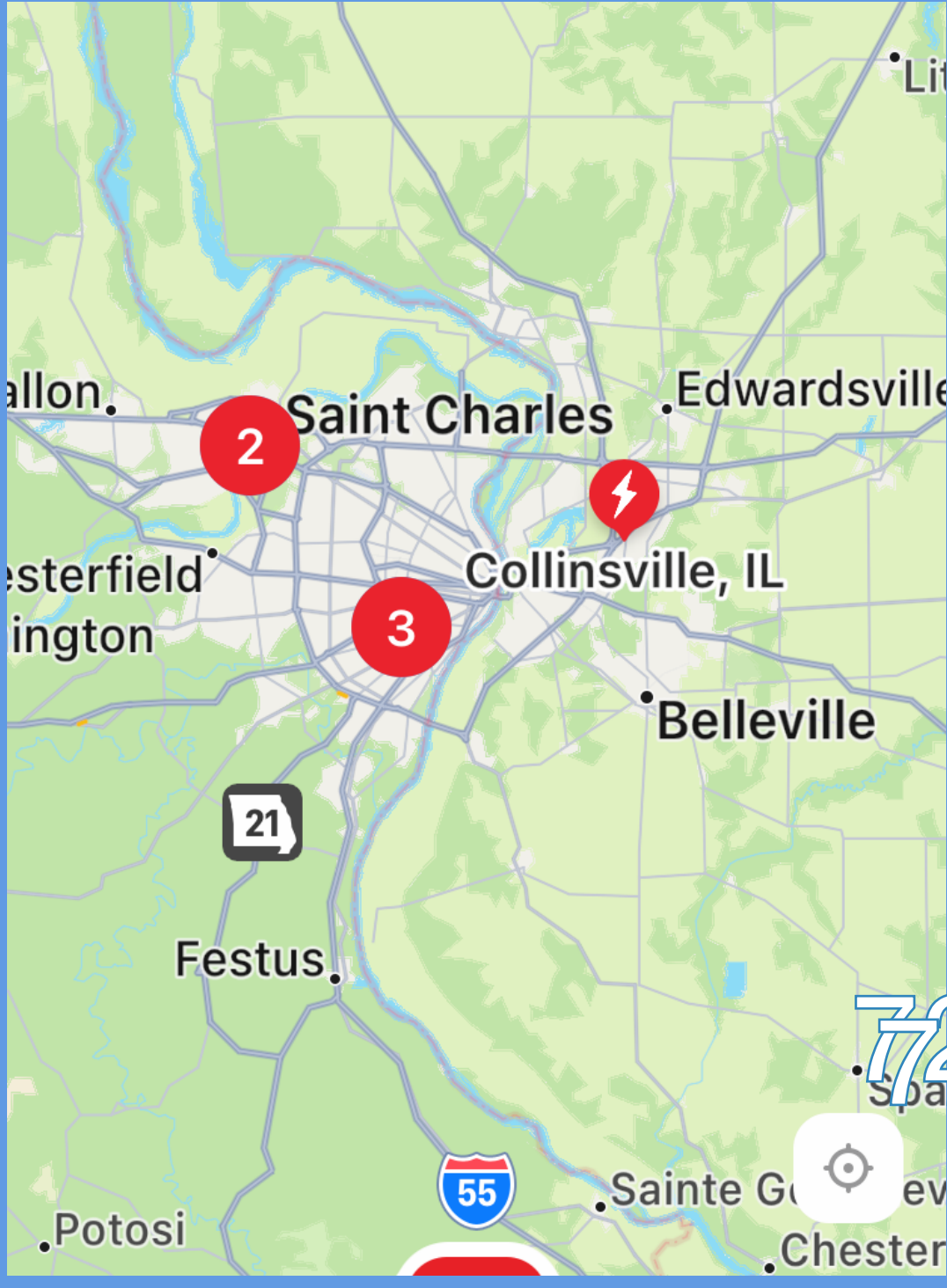
Electrify America  
Individual locations

Each map section is the same scale and shows how well each city is served by public charging. Note: it shows which locations are full.

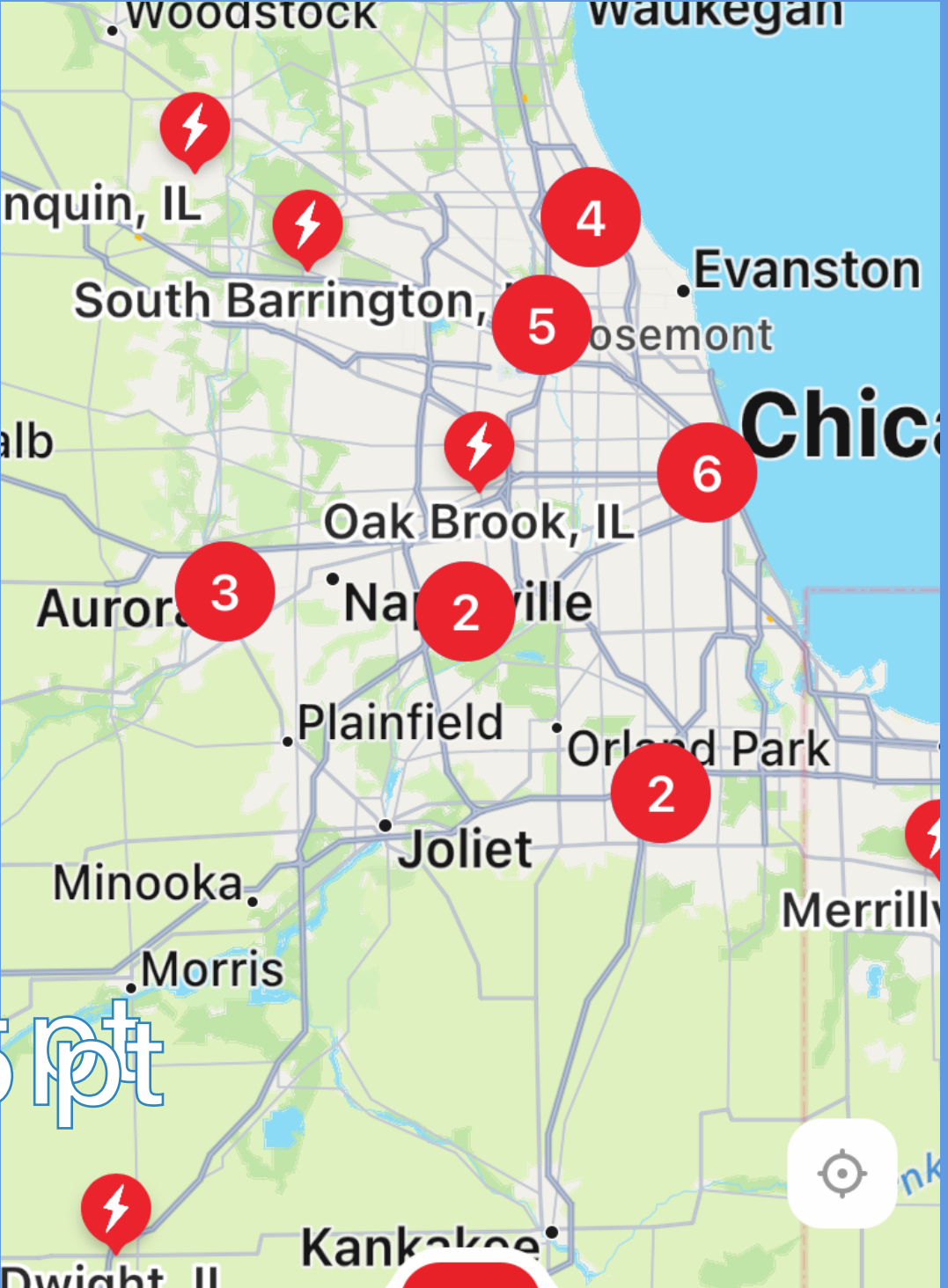
# Session ??: Charger Apps



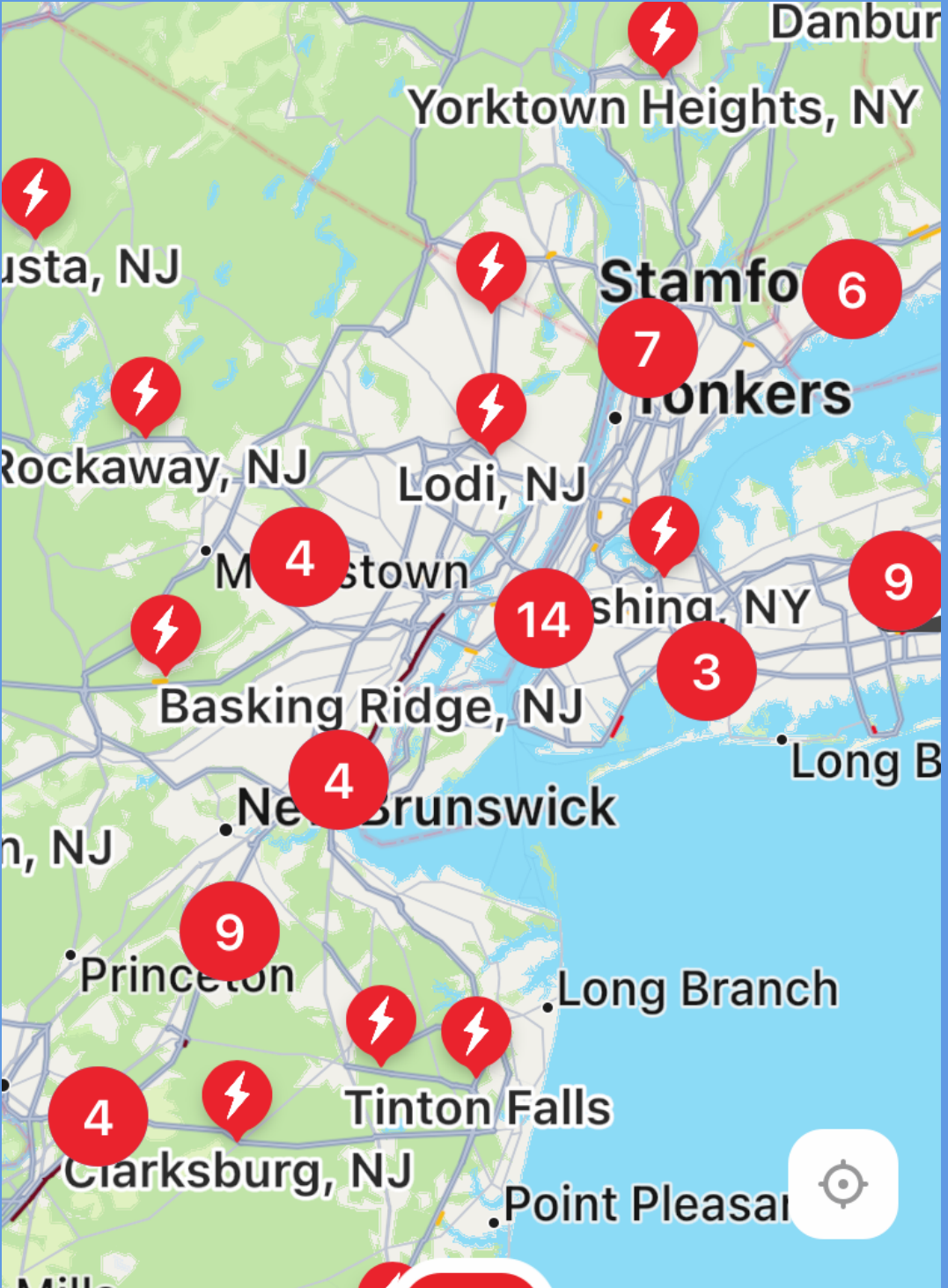
Los Angeles



St Louis



Chicago



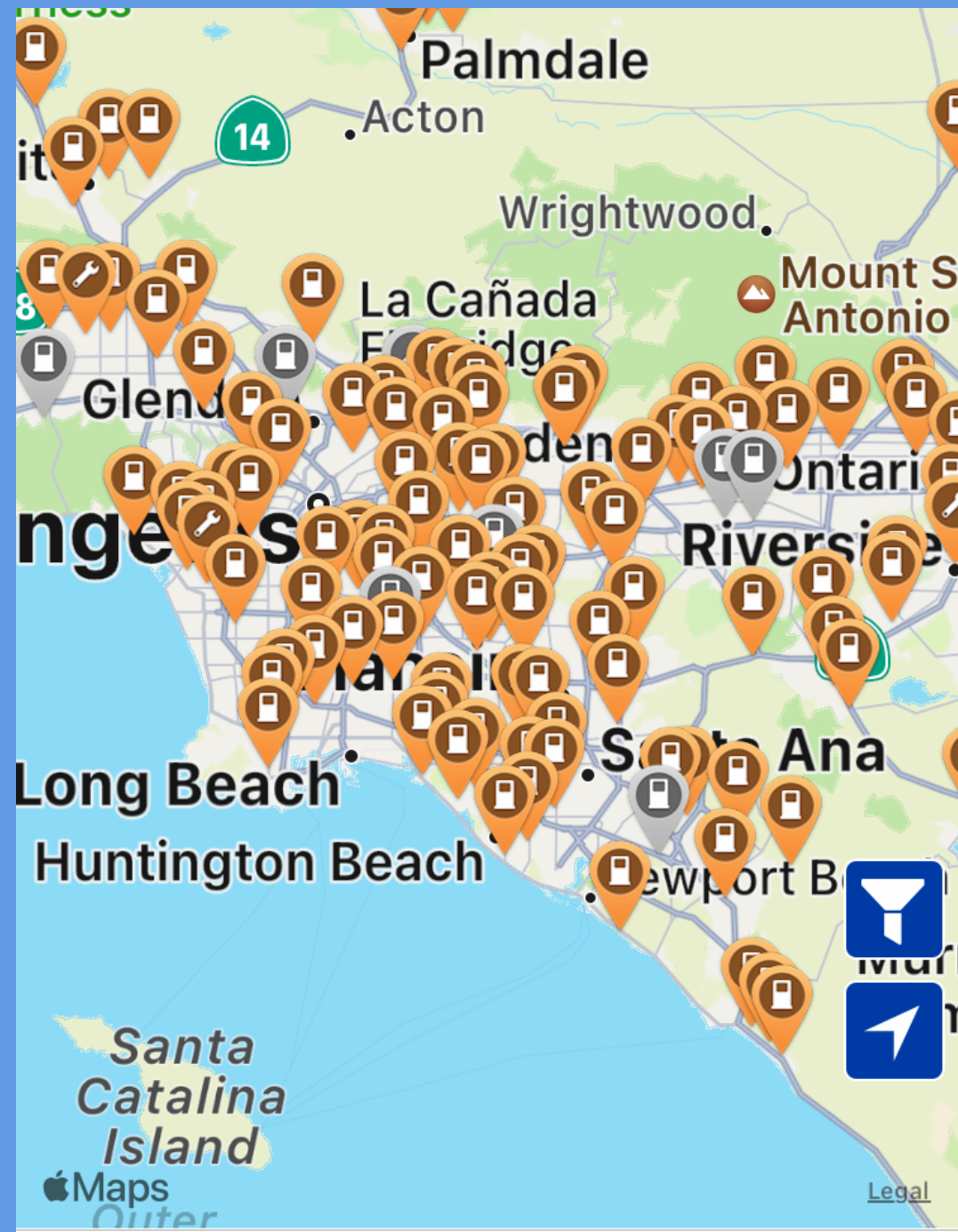
New York

Tesla Superchargers  
Groups of locations

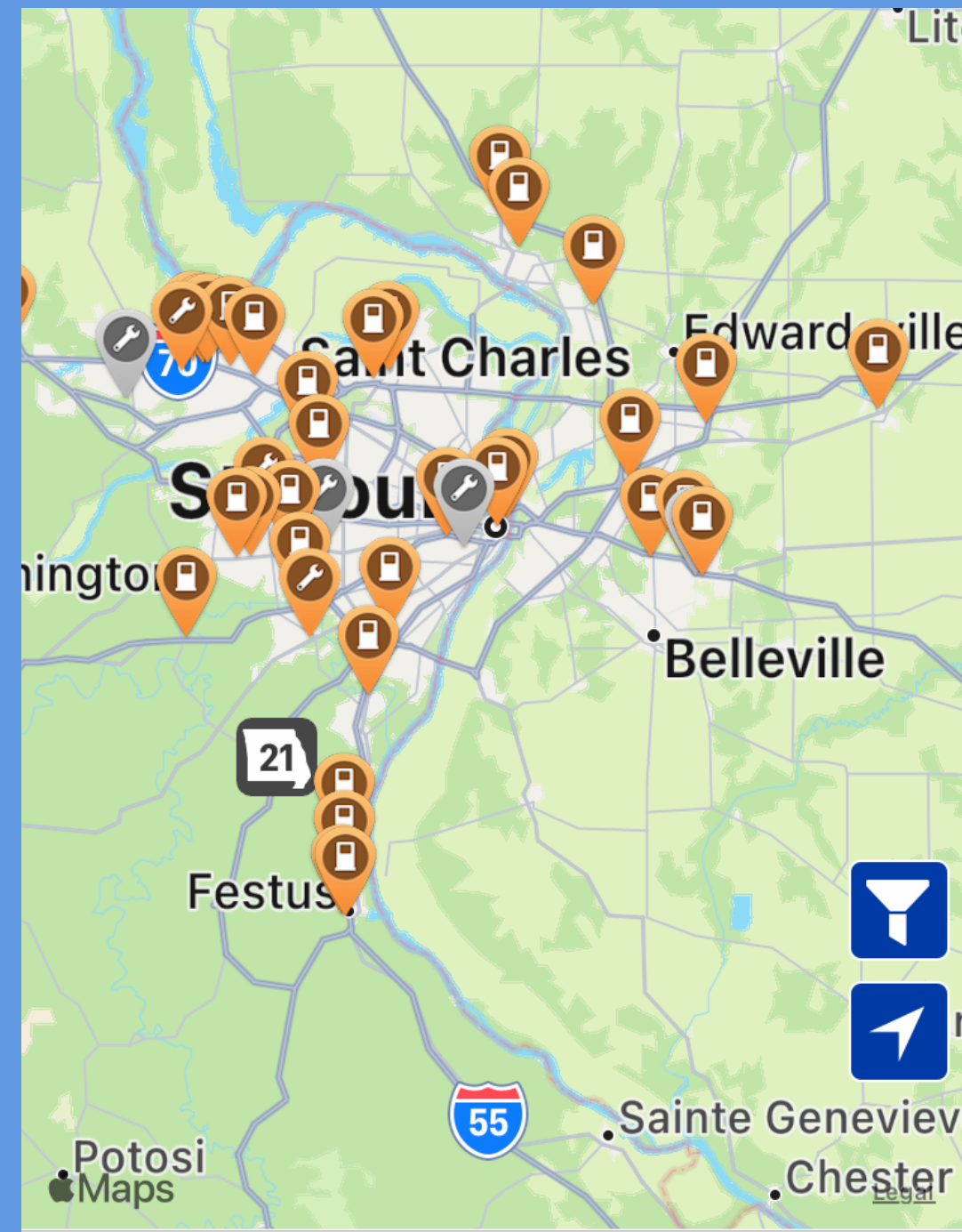
Each map section is the same scale and shows how well each city is served by public charging



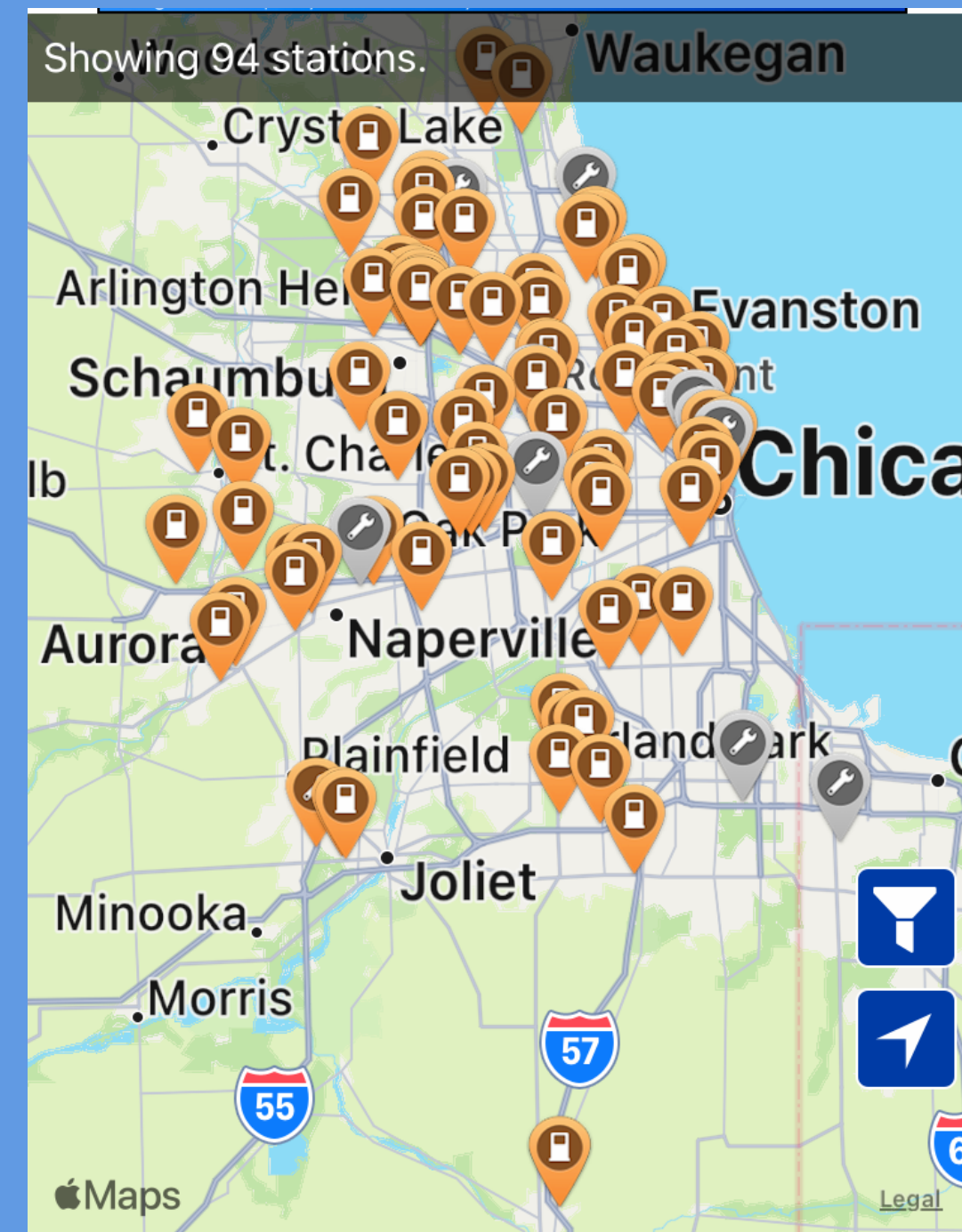
# Session ??: Charger Apps



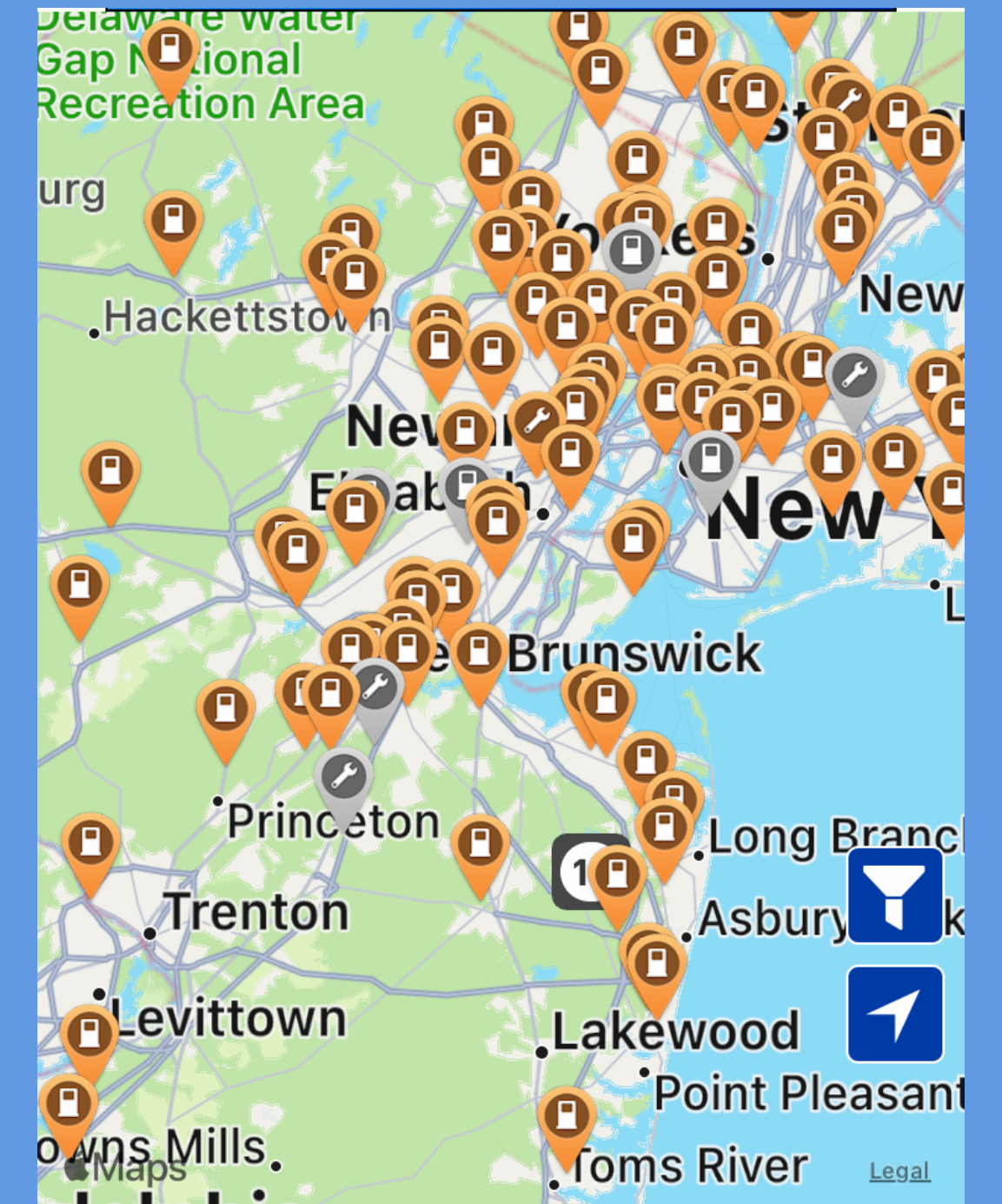
Los Angeles



St Louis



Chicago

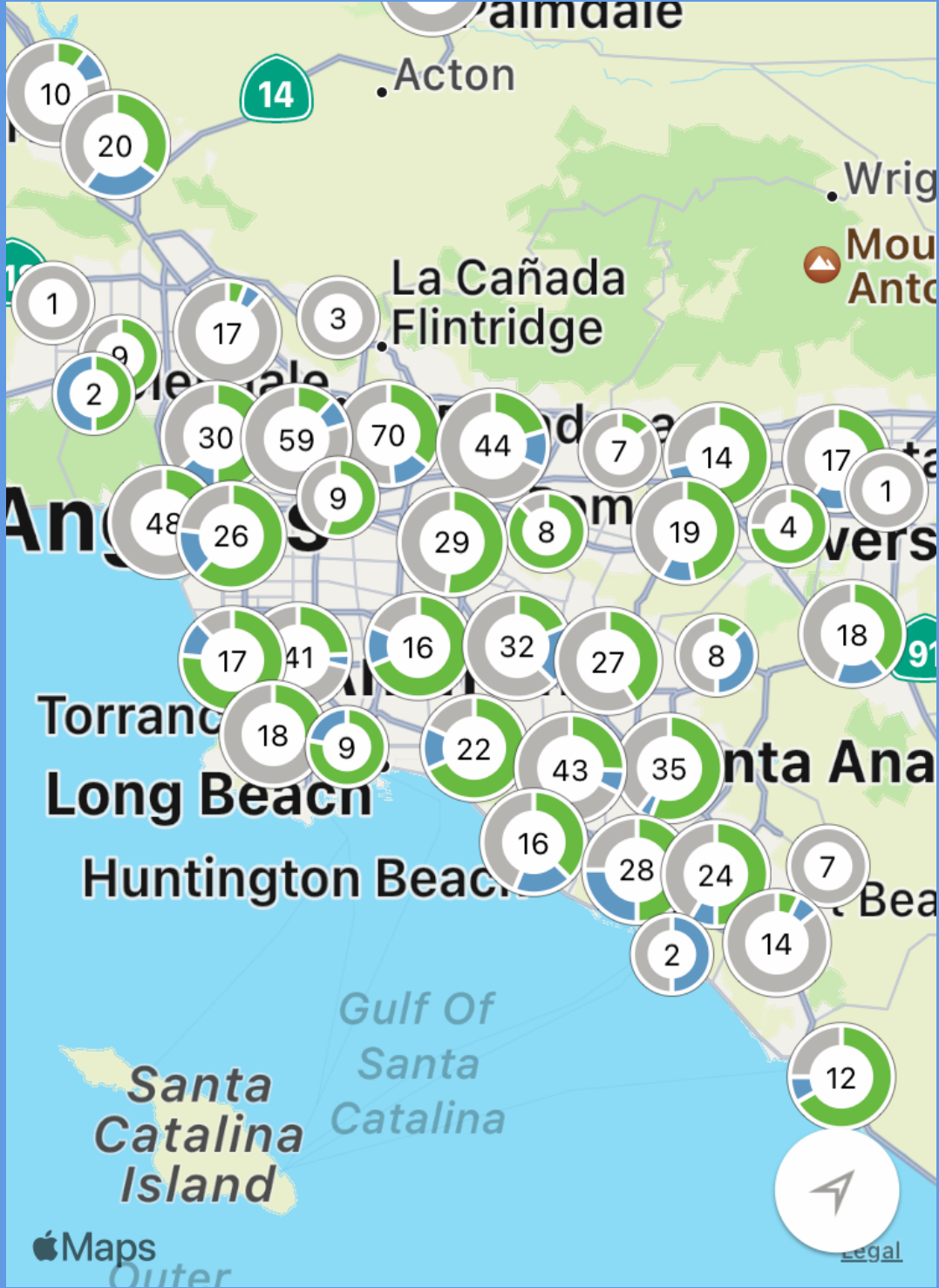


New York

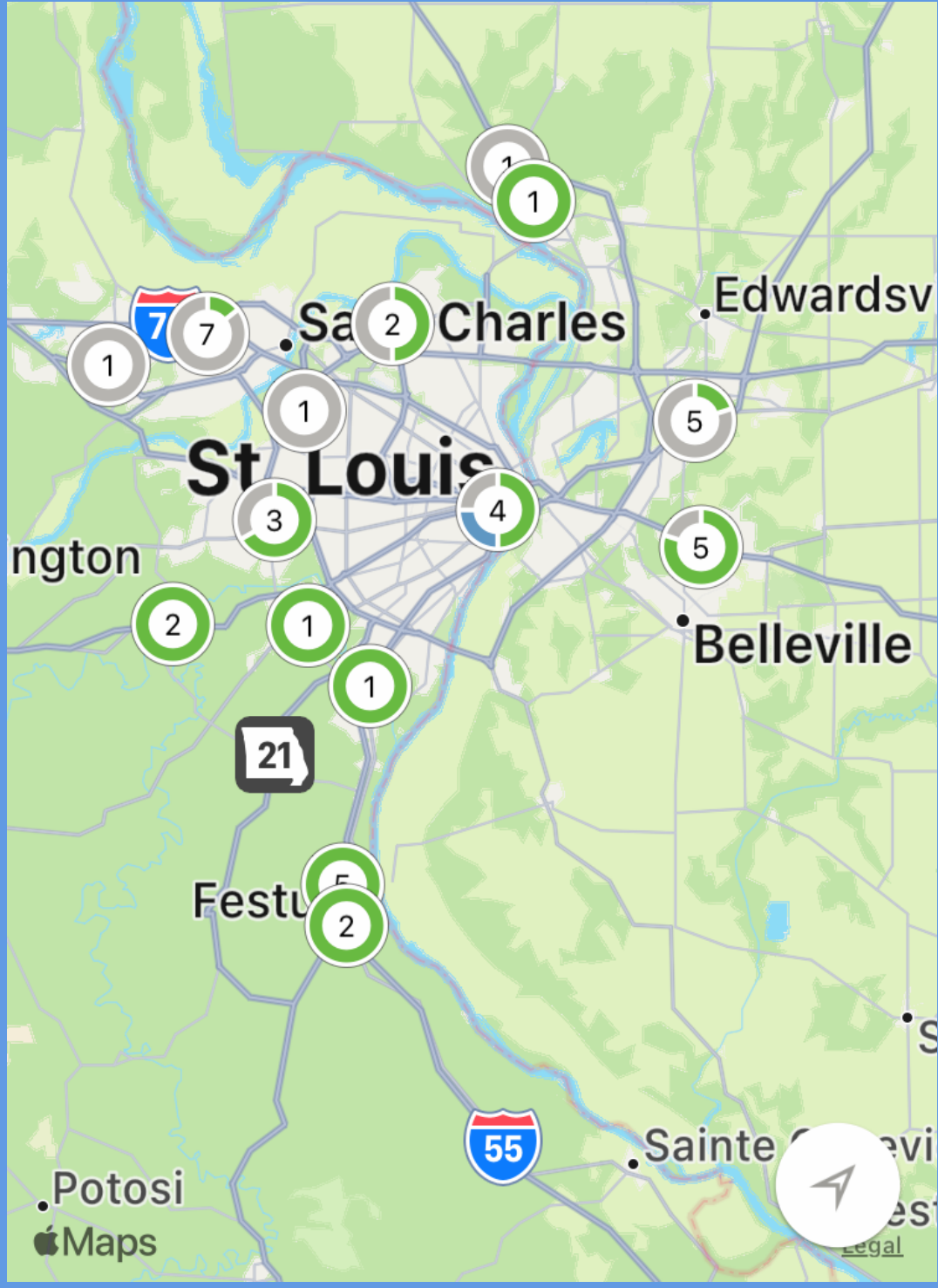
PlugShare  
Individual locations

Each map section is the same scale and shows how well each city is served by public charging

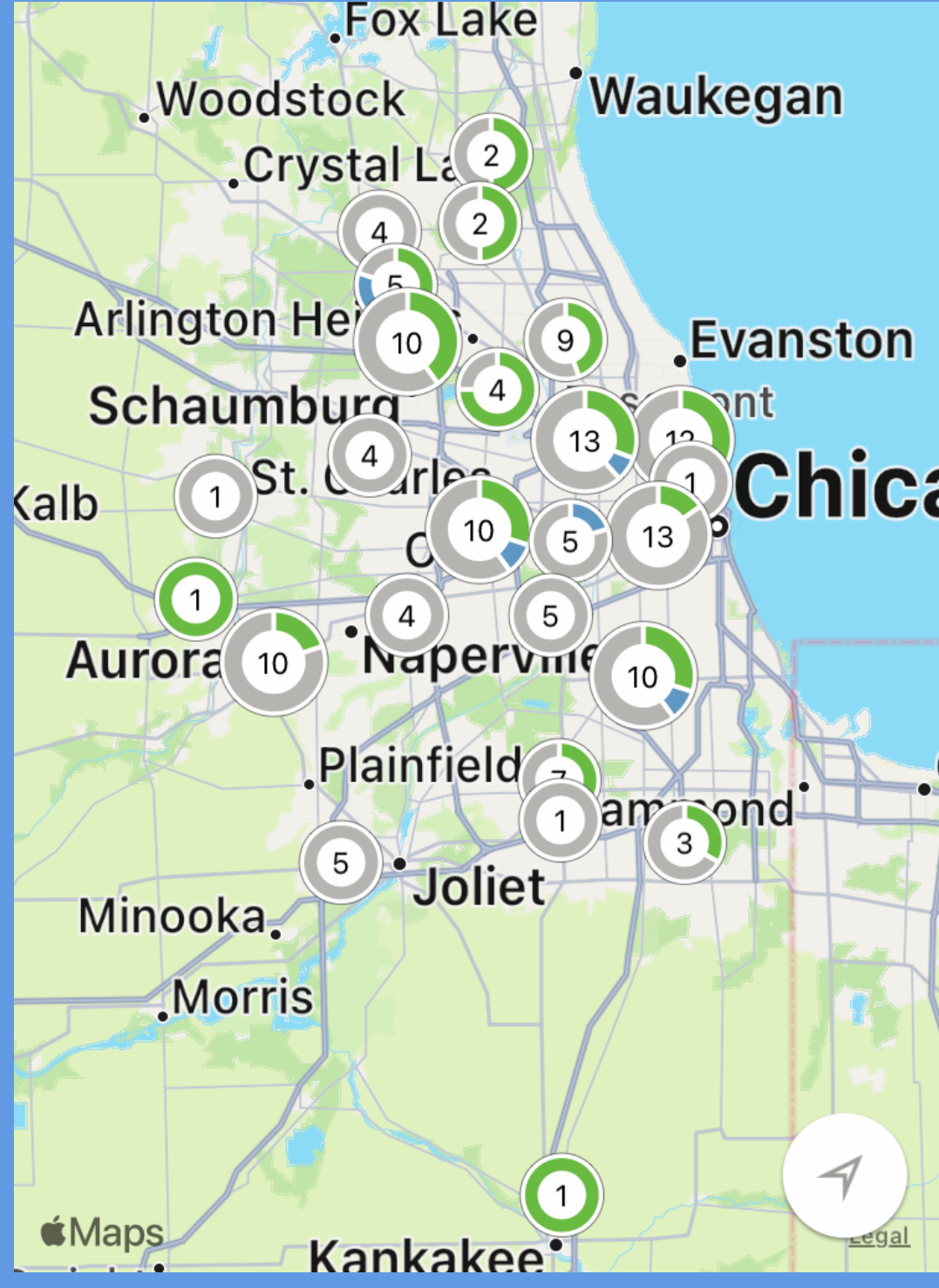
# Session ??: Charger Apps



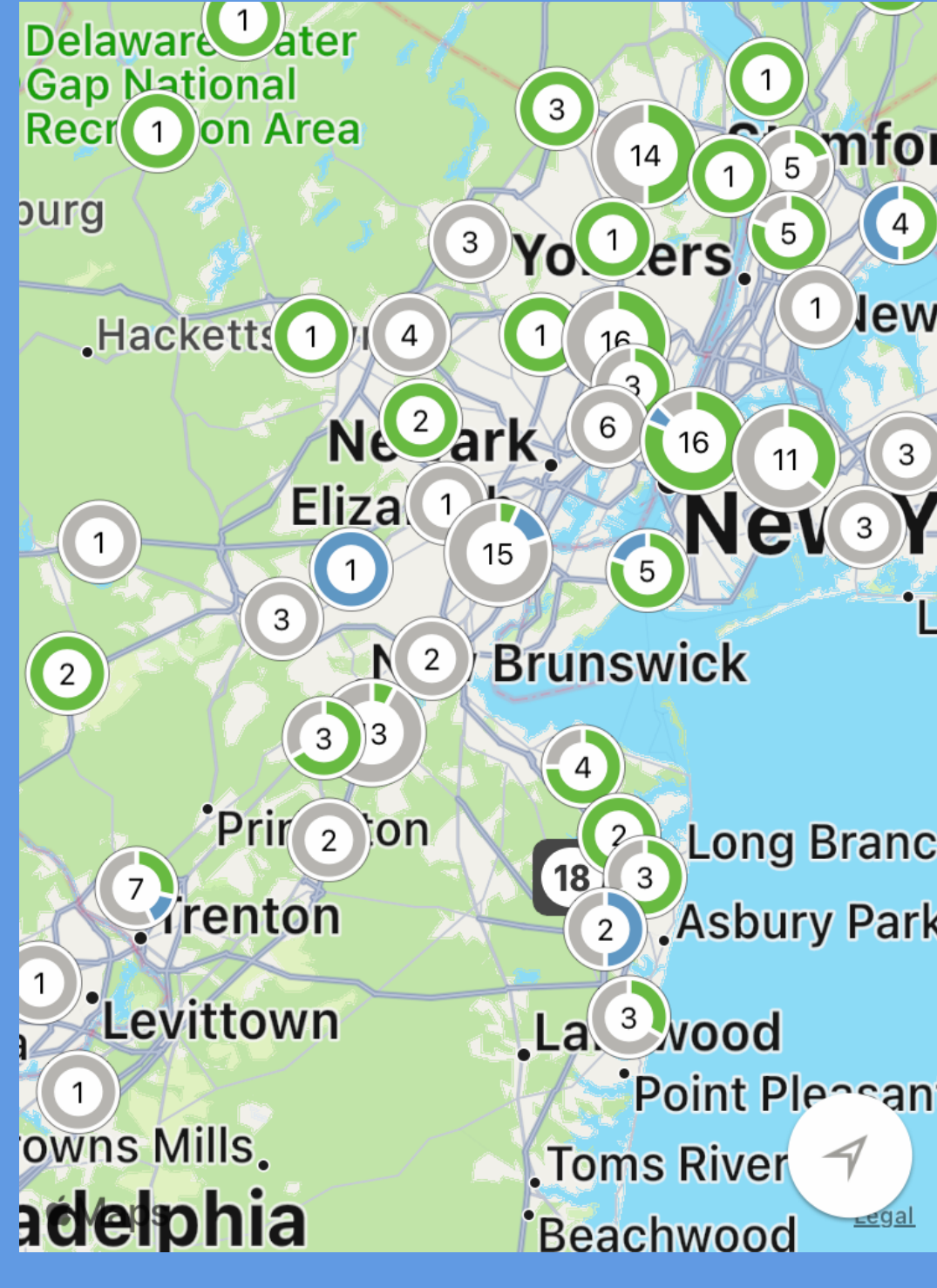
Los Angeles



St Louis



Chicago

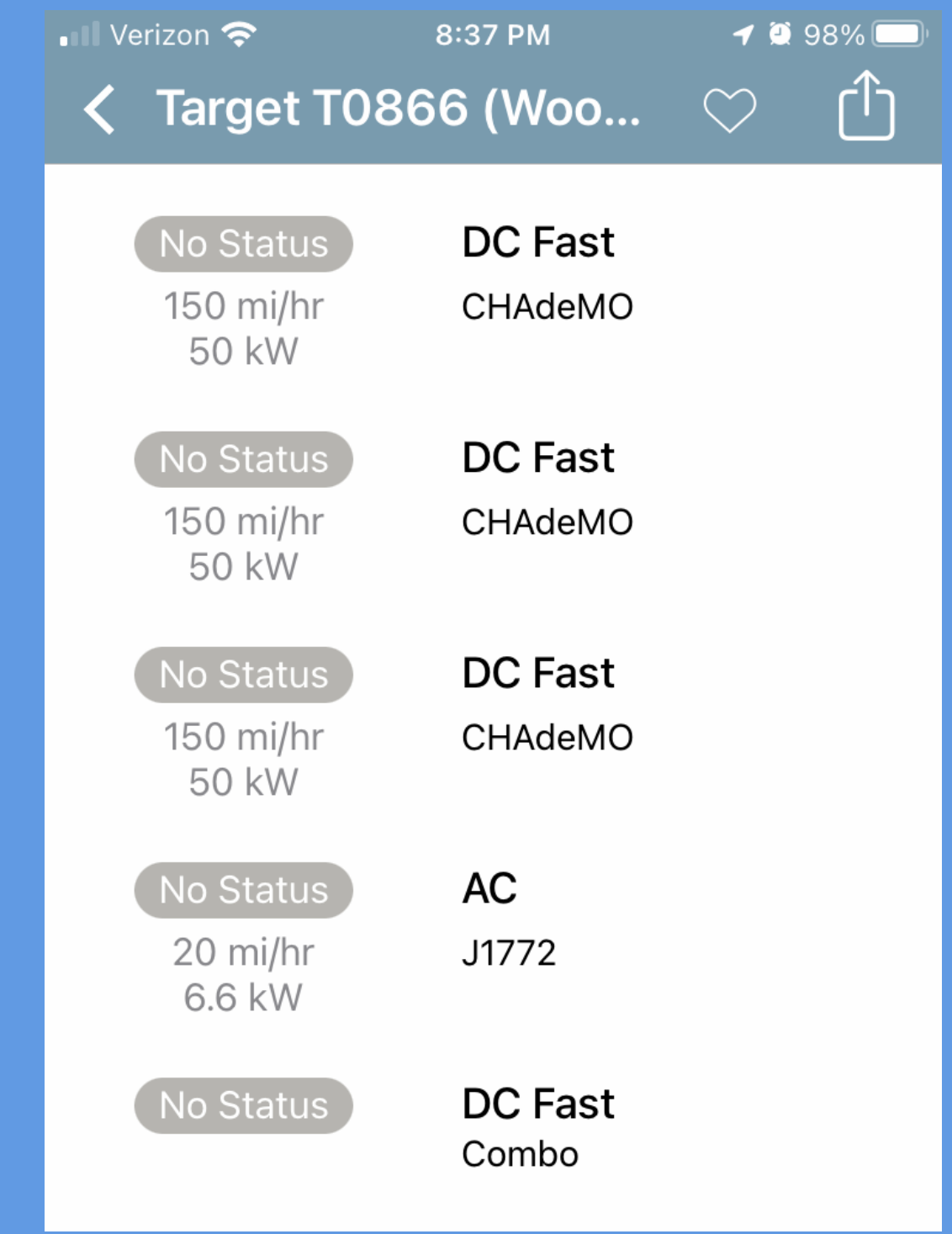
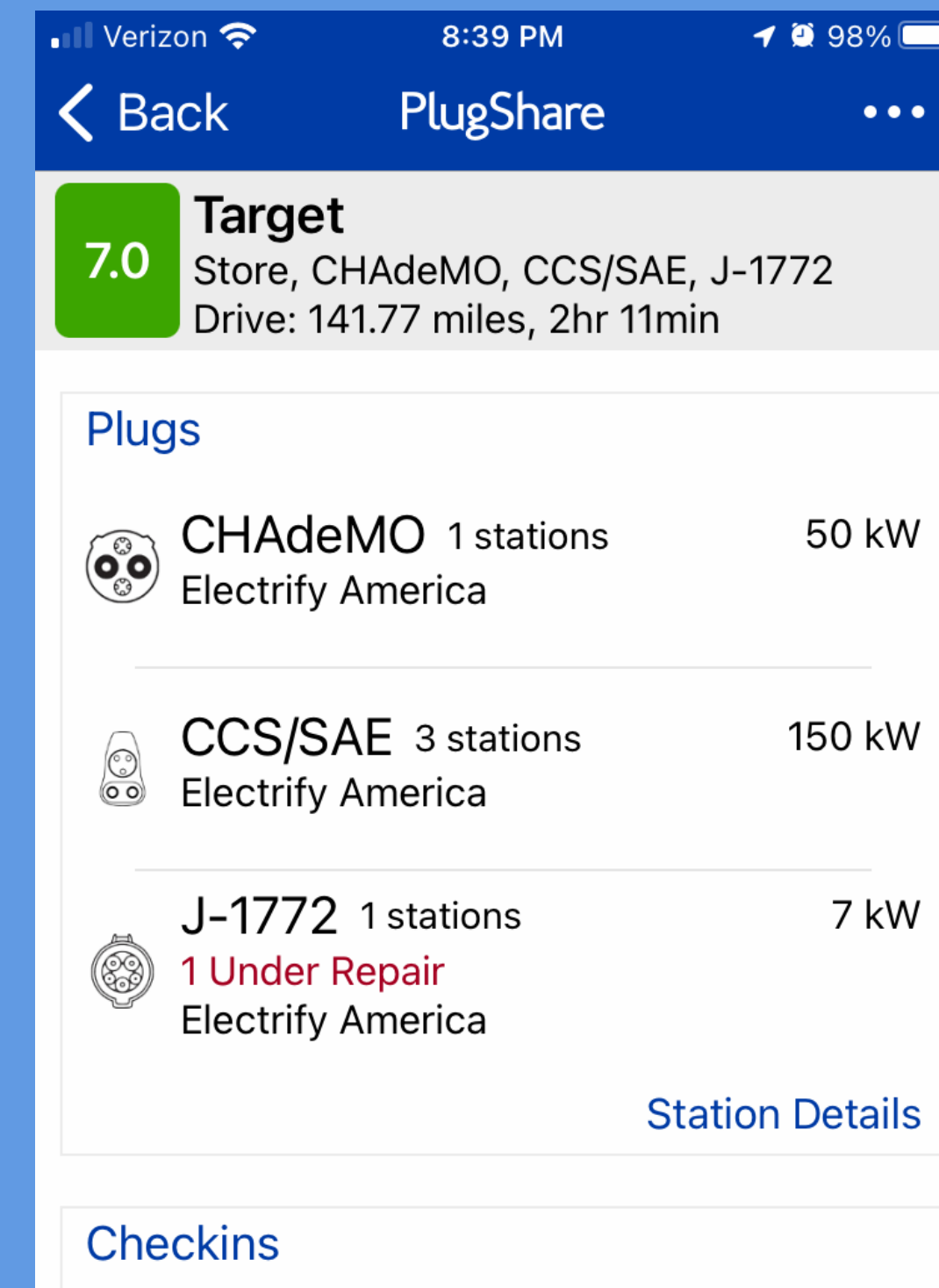
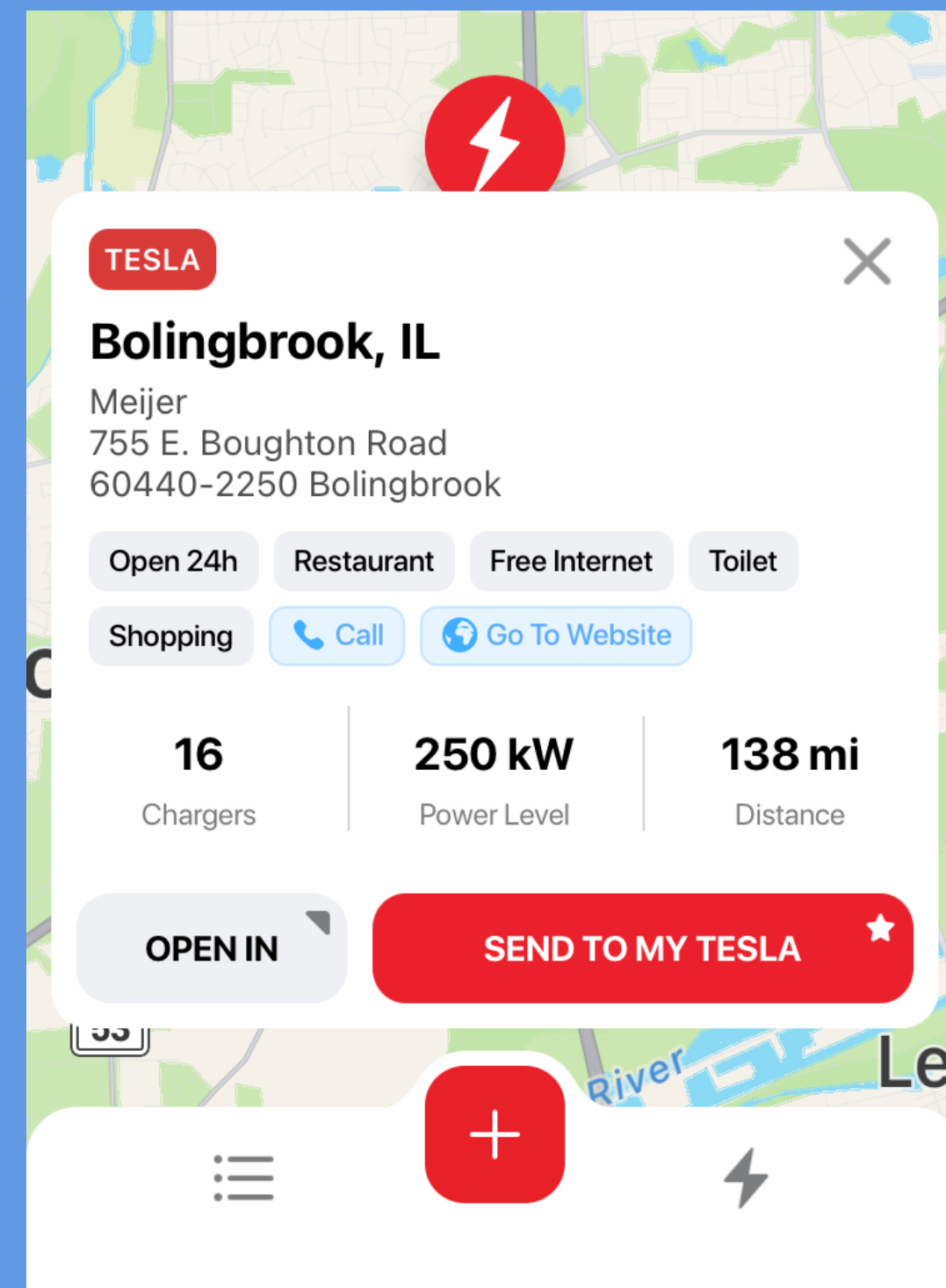
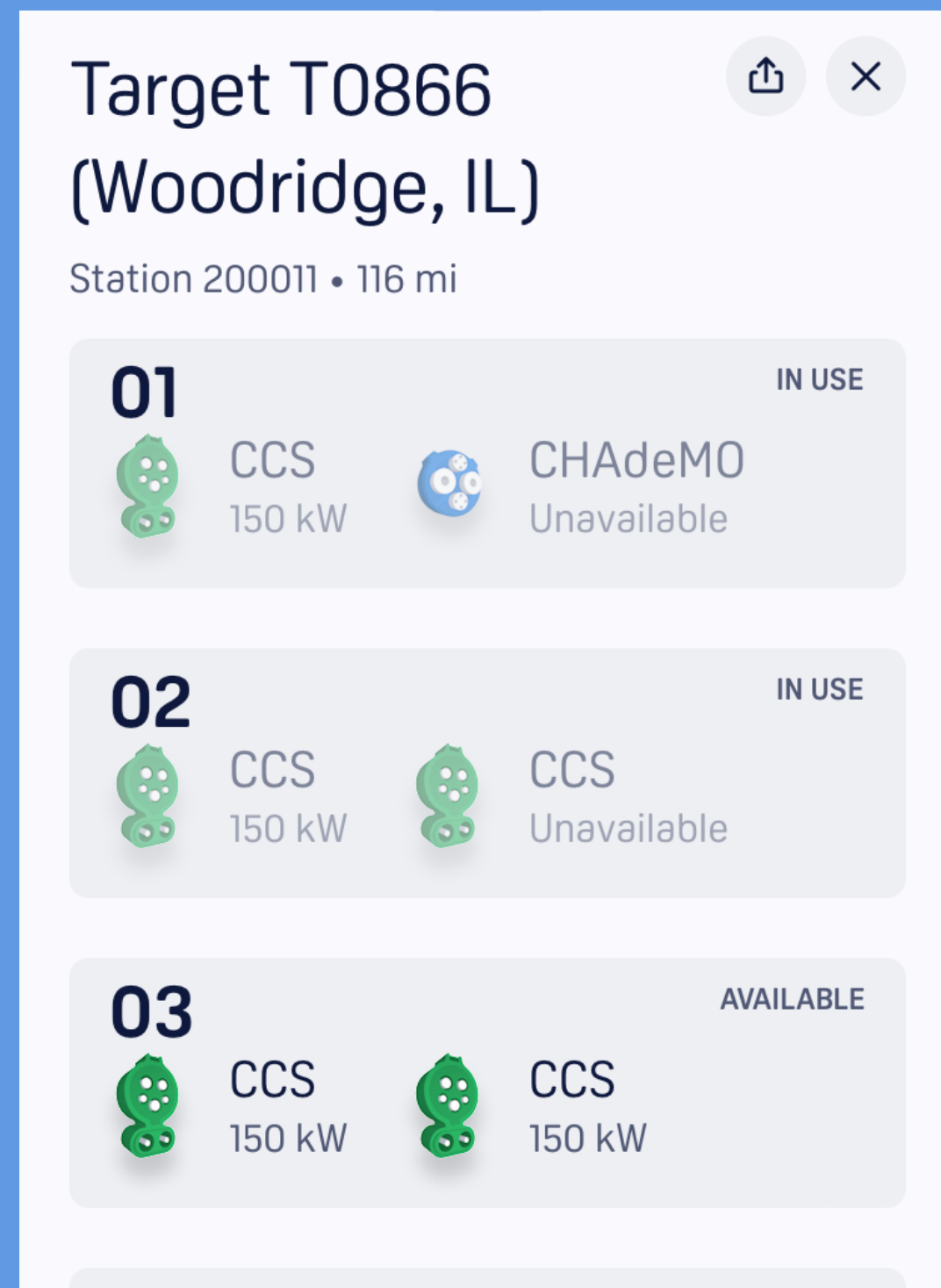


New York

ChargePoint  
Grouped locations and  
current usage.

Each map section is the same scale and shows  
how well each city is served by public charging

# Session ??: Charger Apps



Electrify America

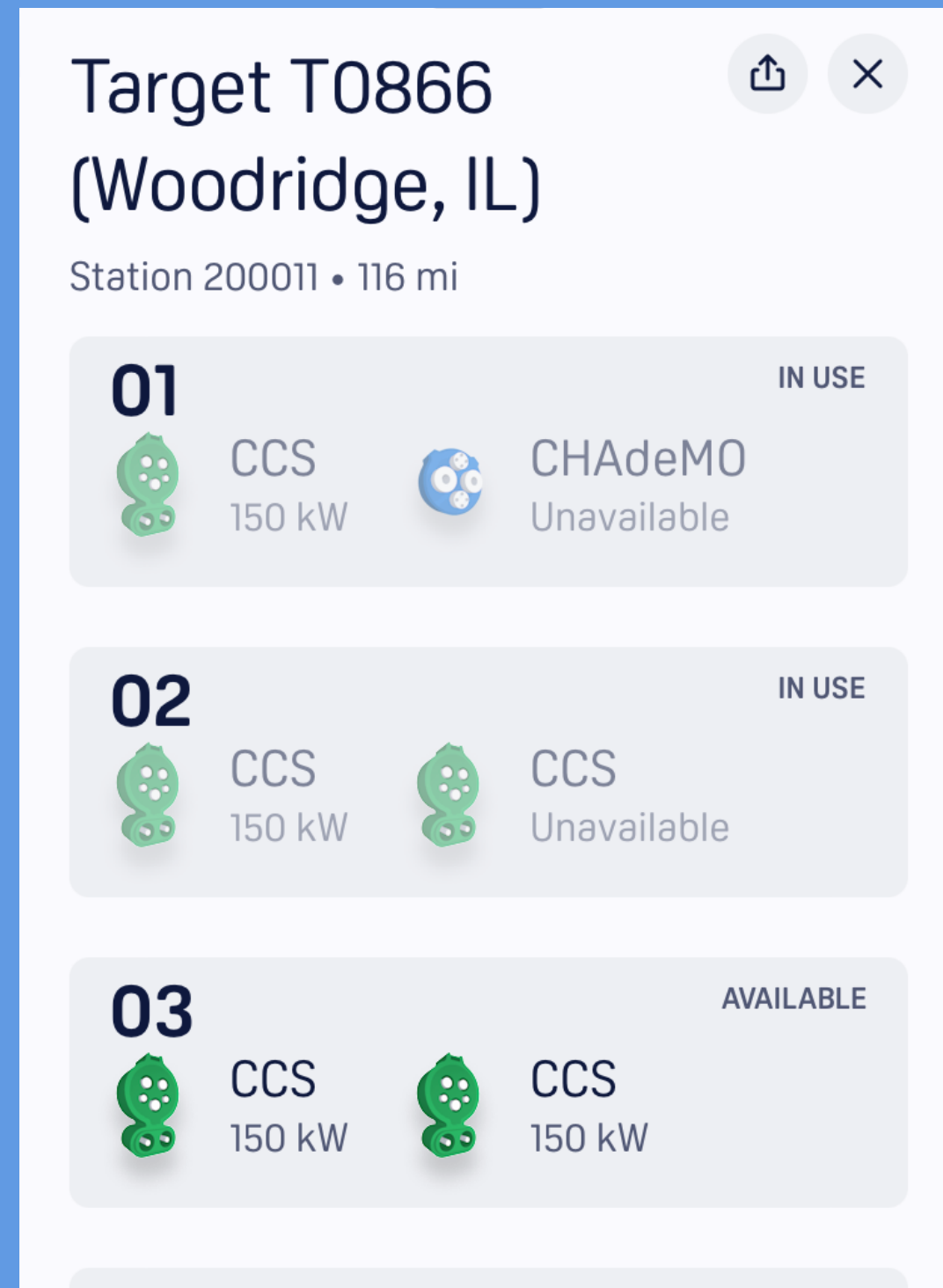
Tesla

Plugshare

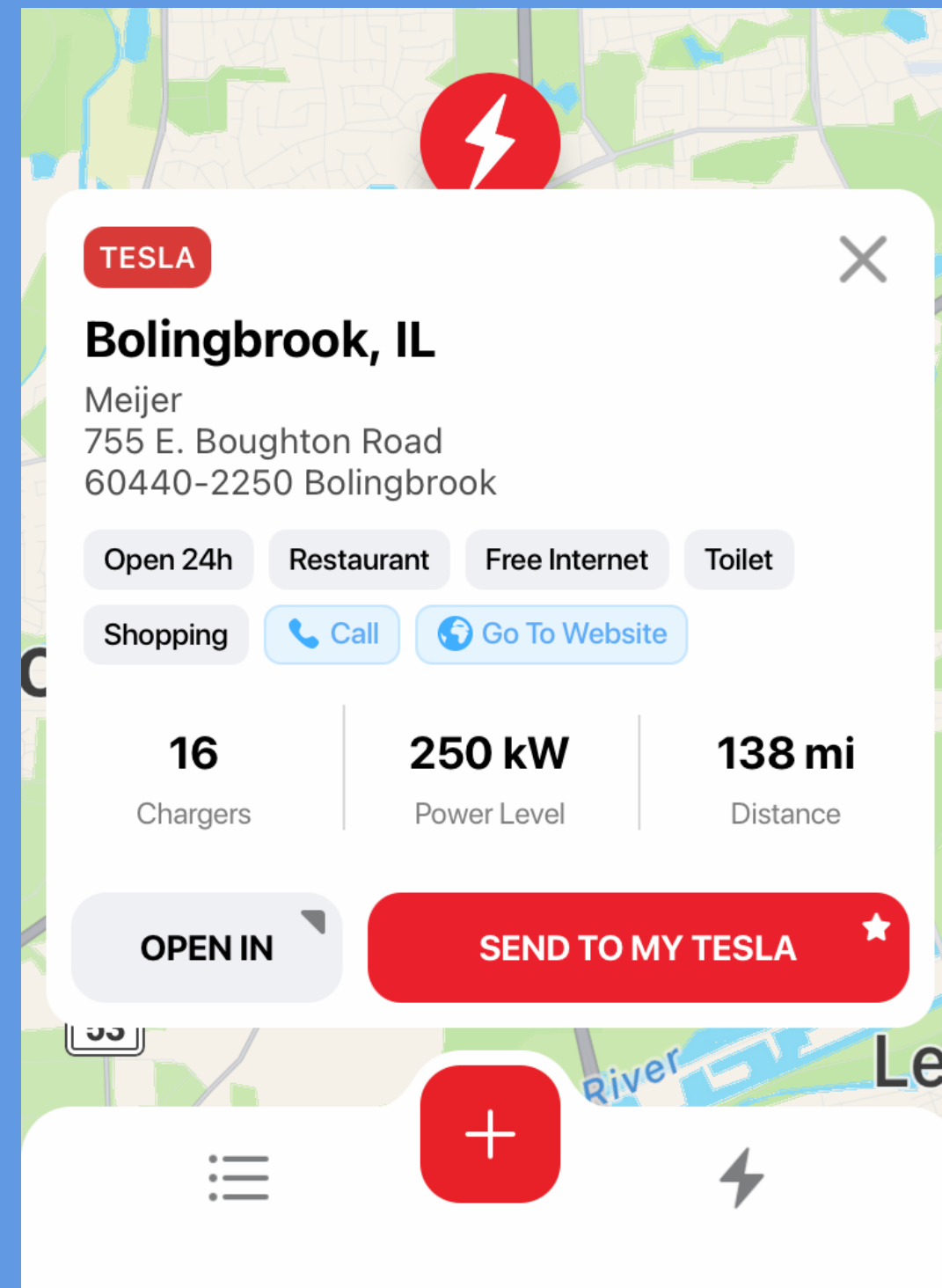
ChargePoint

How the four apps display what is available at a location. Electrify America shows charger status and uses a GPS distance (off by 26 miles). Tesla, correct distance and amenities. PlugShare has distance correct, lists correct connectors, shows details with additional tap. (but not status). ChargePoint also does GPS distance, does list the chargers correctly.

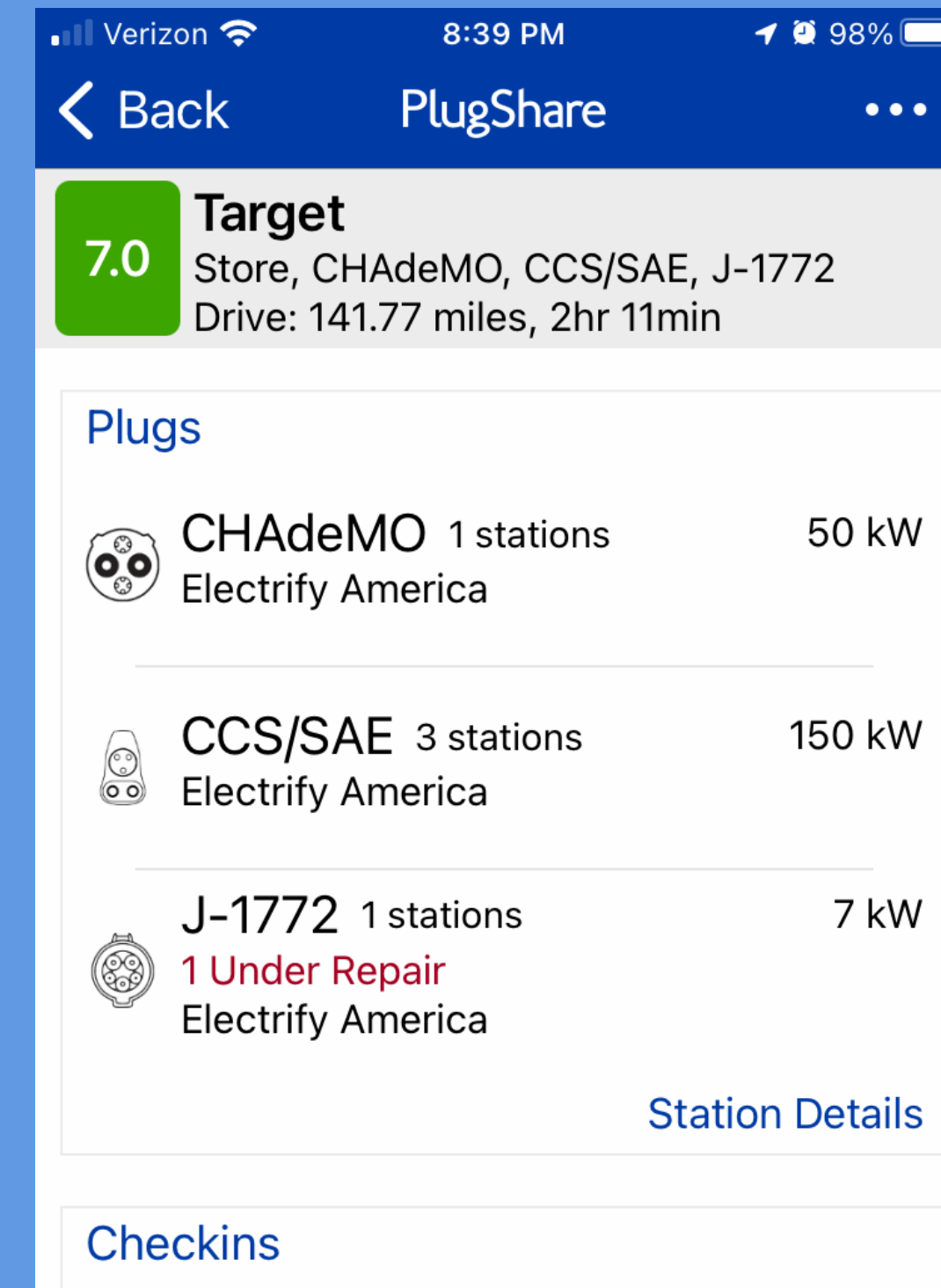
# Session ??: Charger Apps



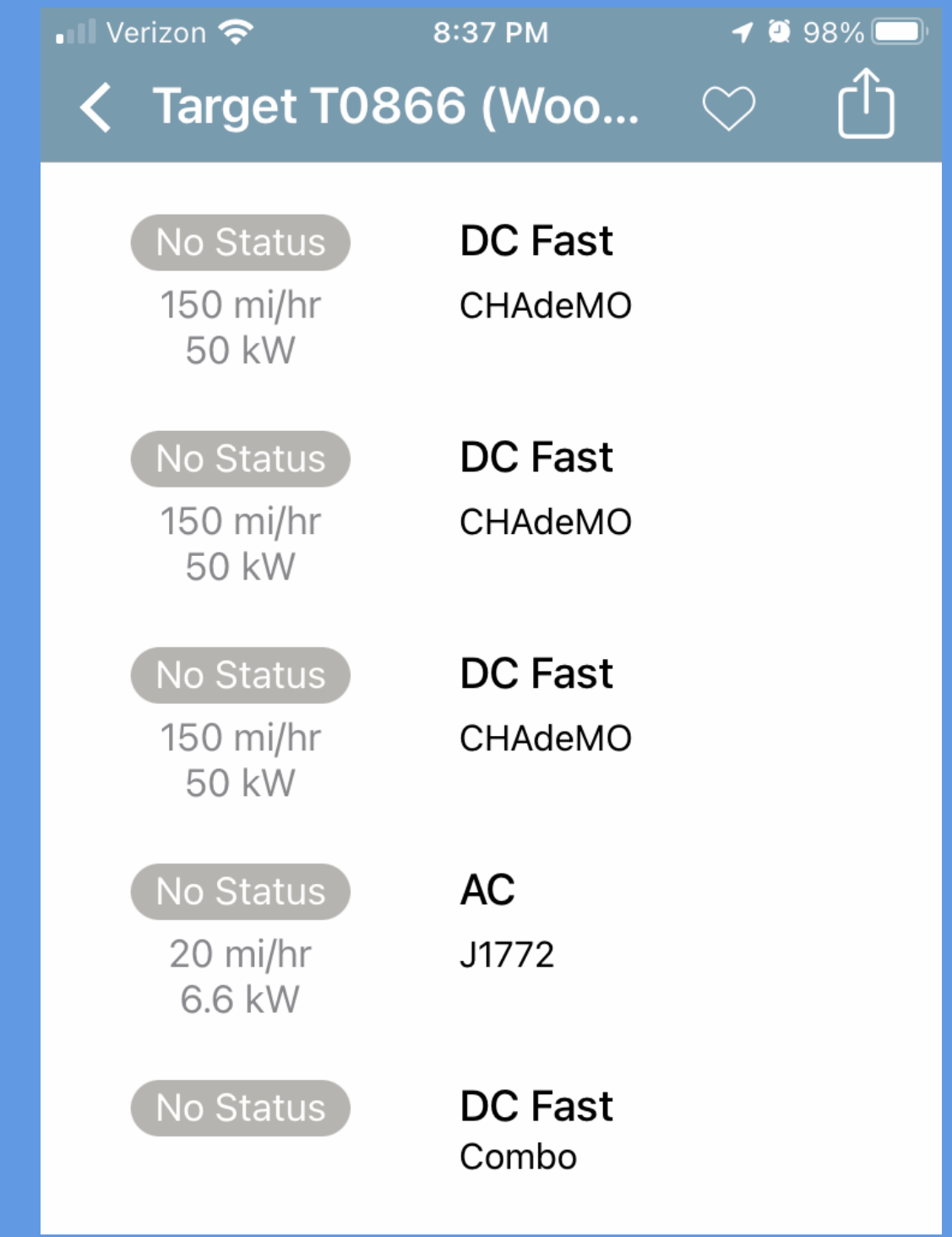
Electrify America



Tesla



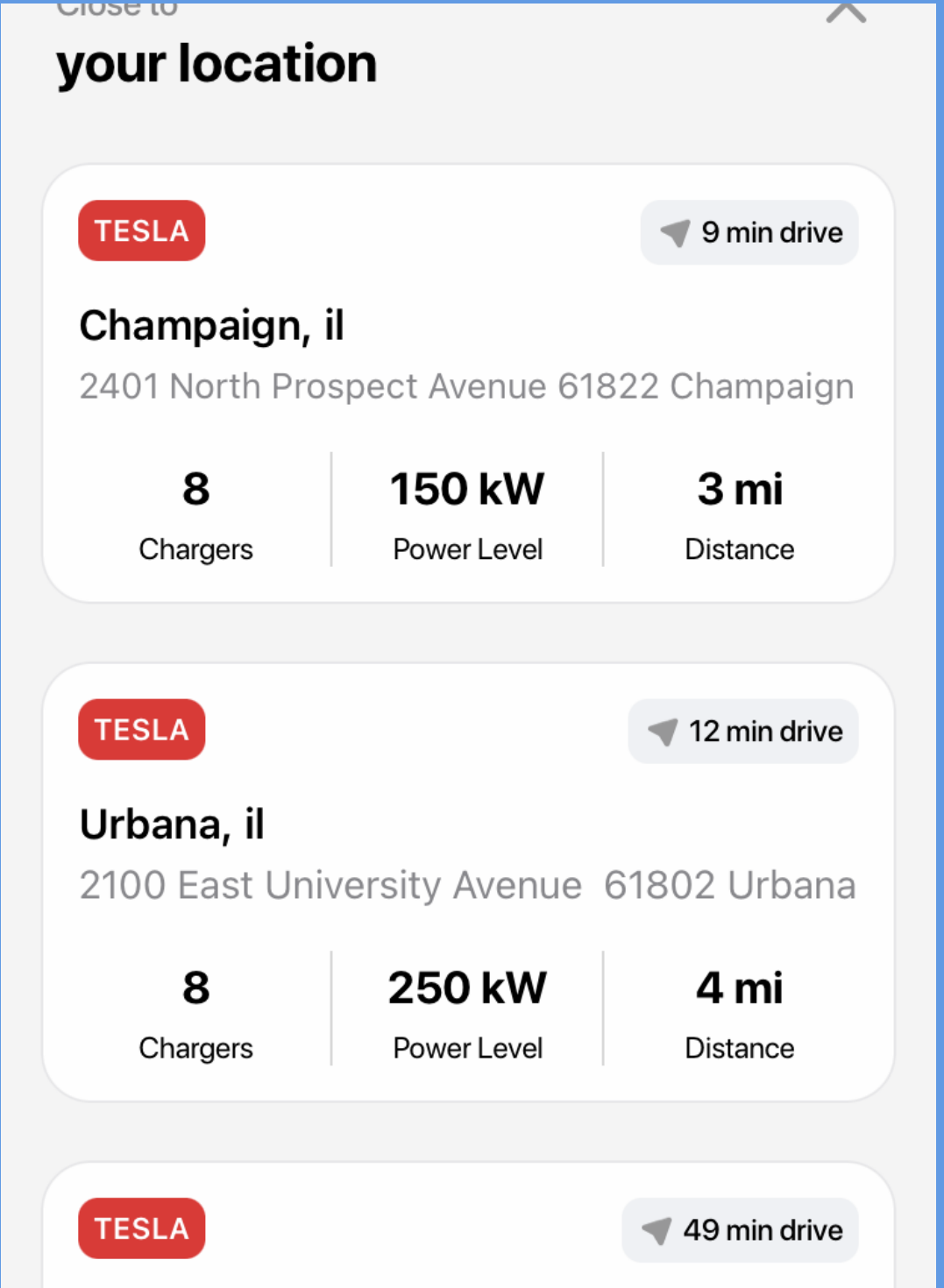
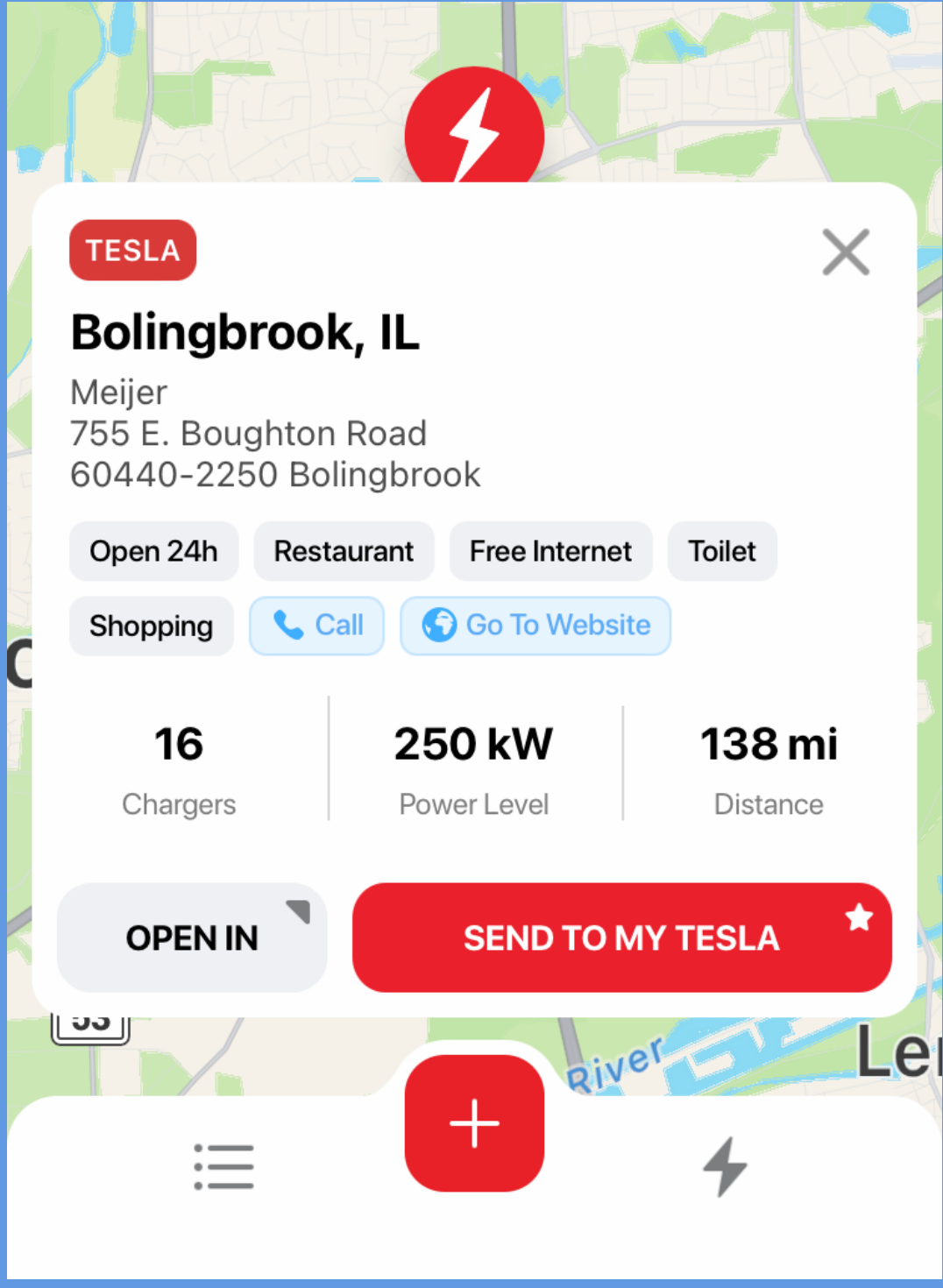
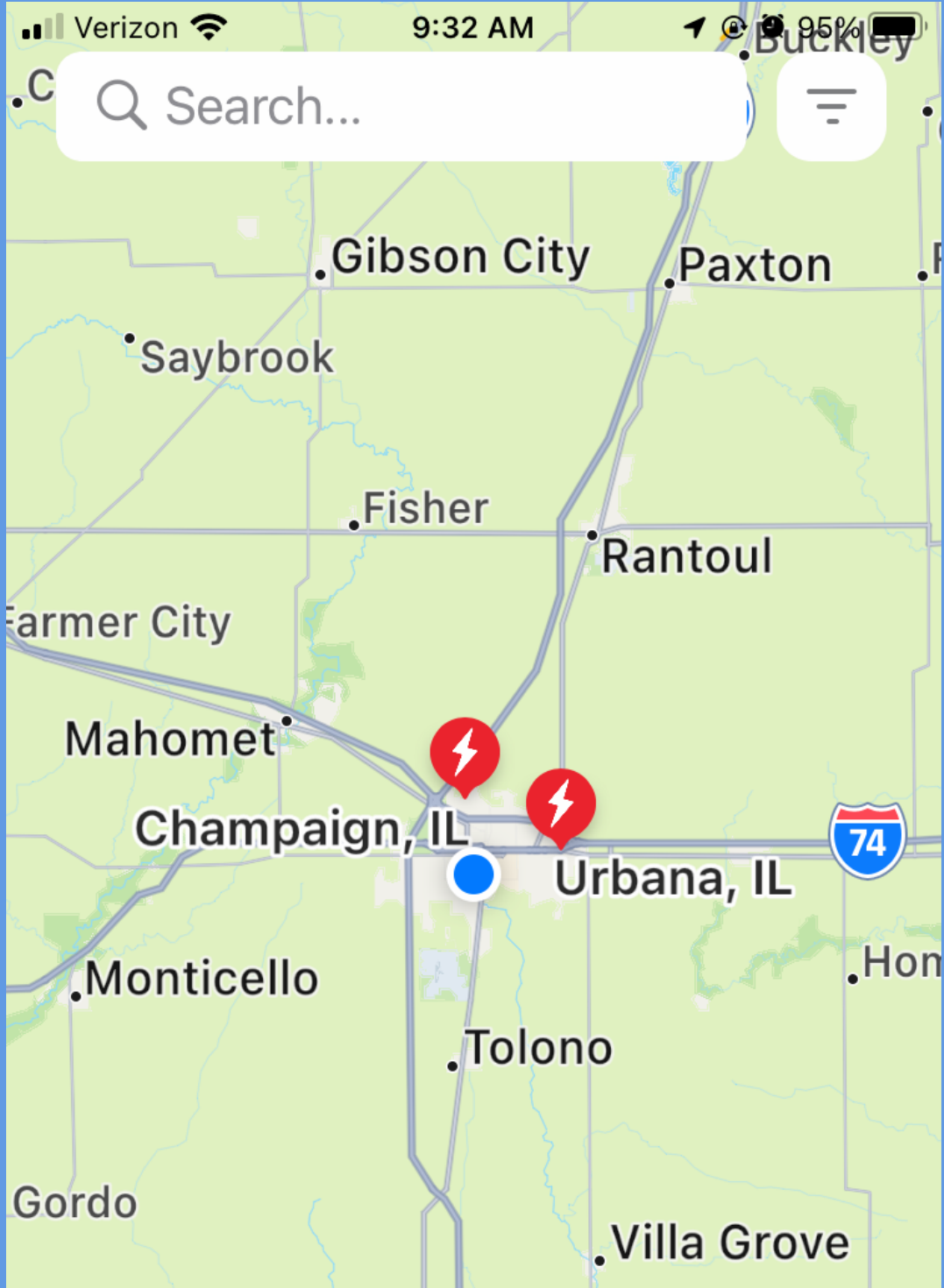
Plugshare



ChargePoint

PlugShare is one of the few apps with comments and reviews. Tesla, Electrify America, ChargePoint and others generally will post if a charger is “unavailable” but will not have comments. PlugShare does not have access to network information and will not have information if a charger is currently in use.

# Session ??: Charger Apps



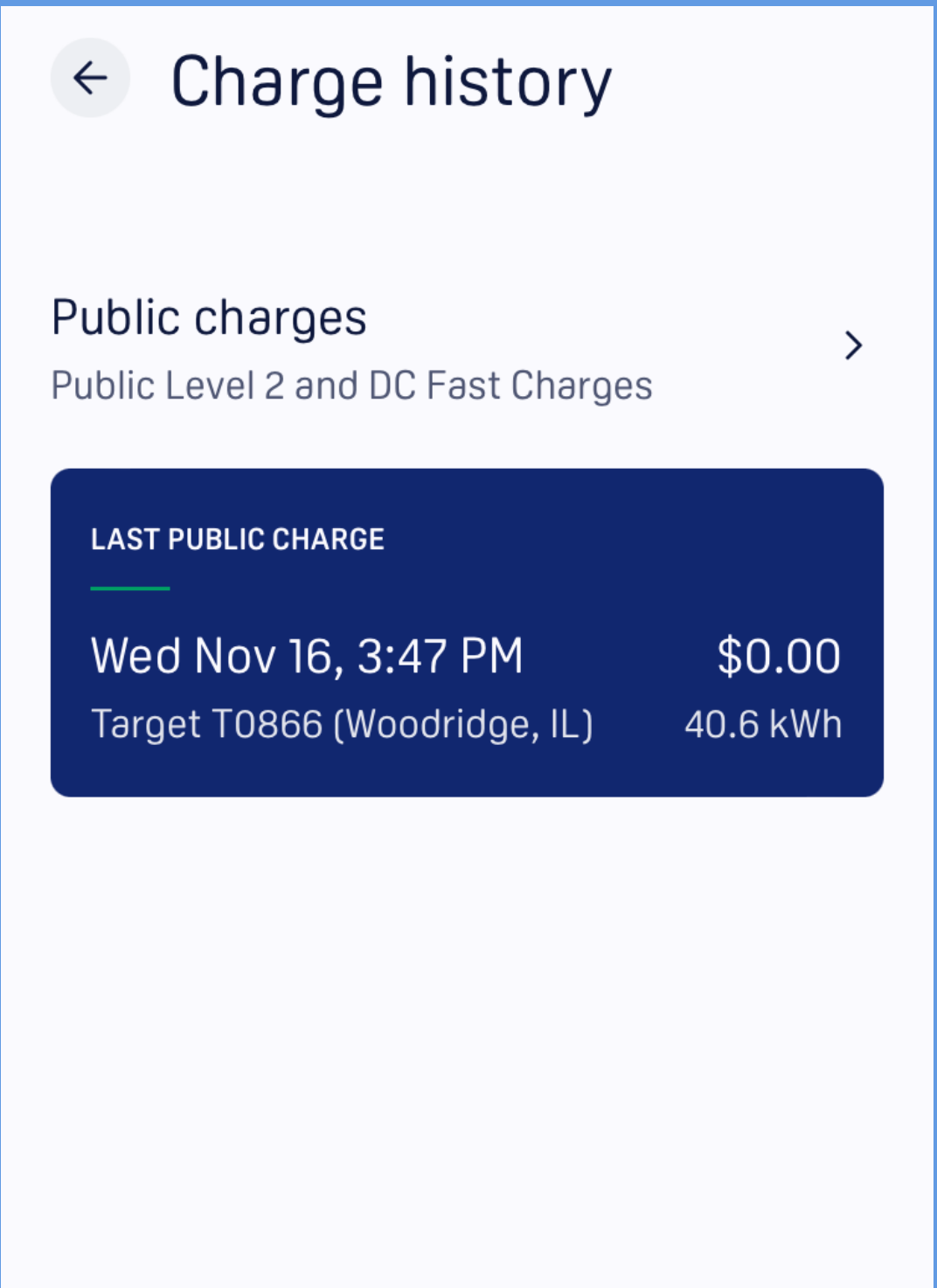
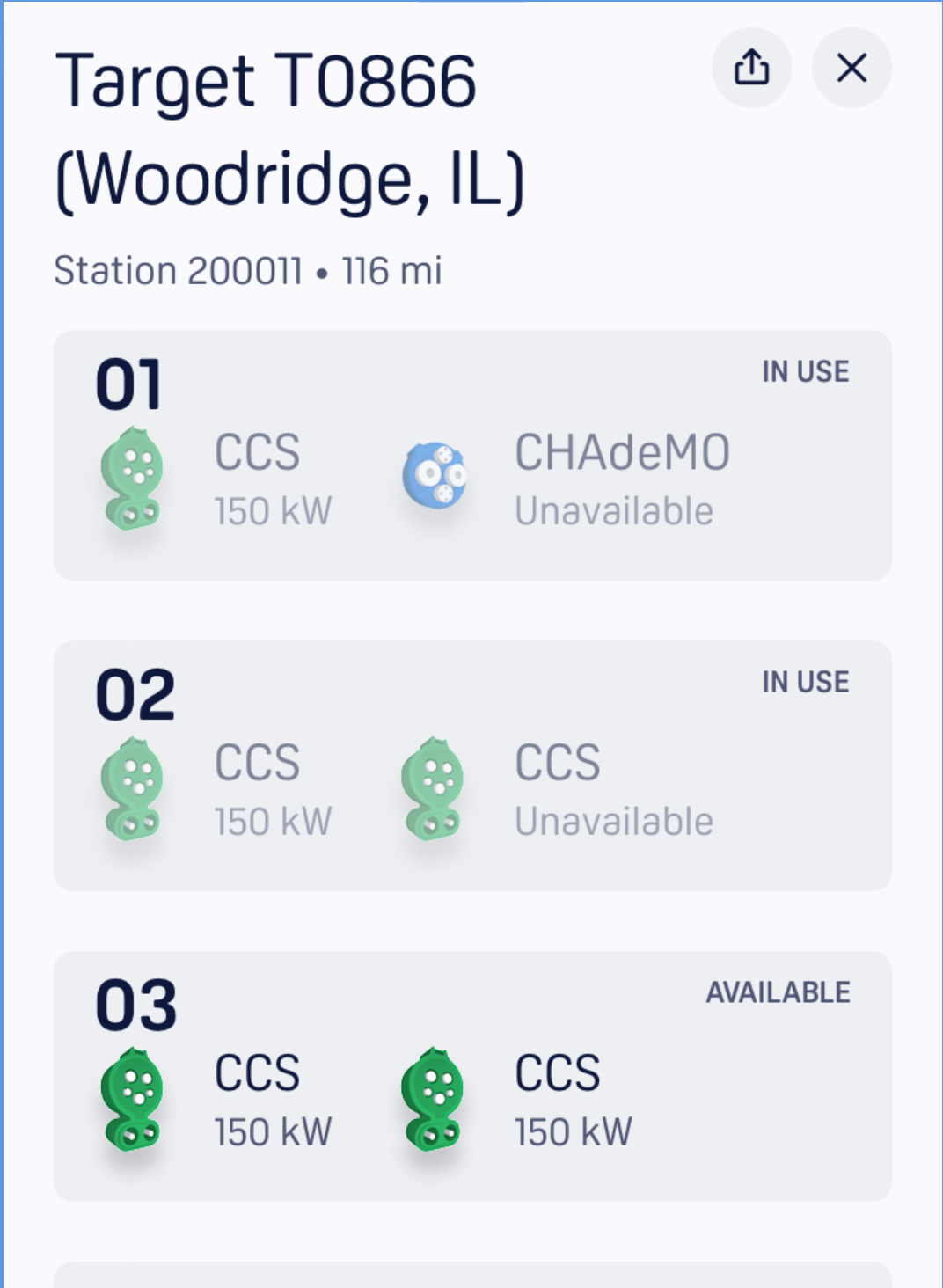
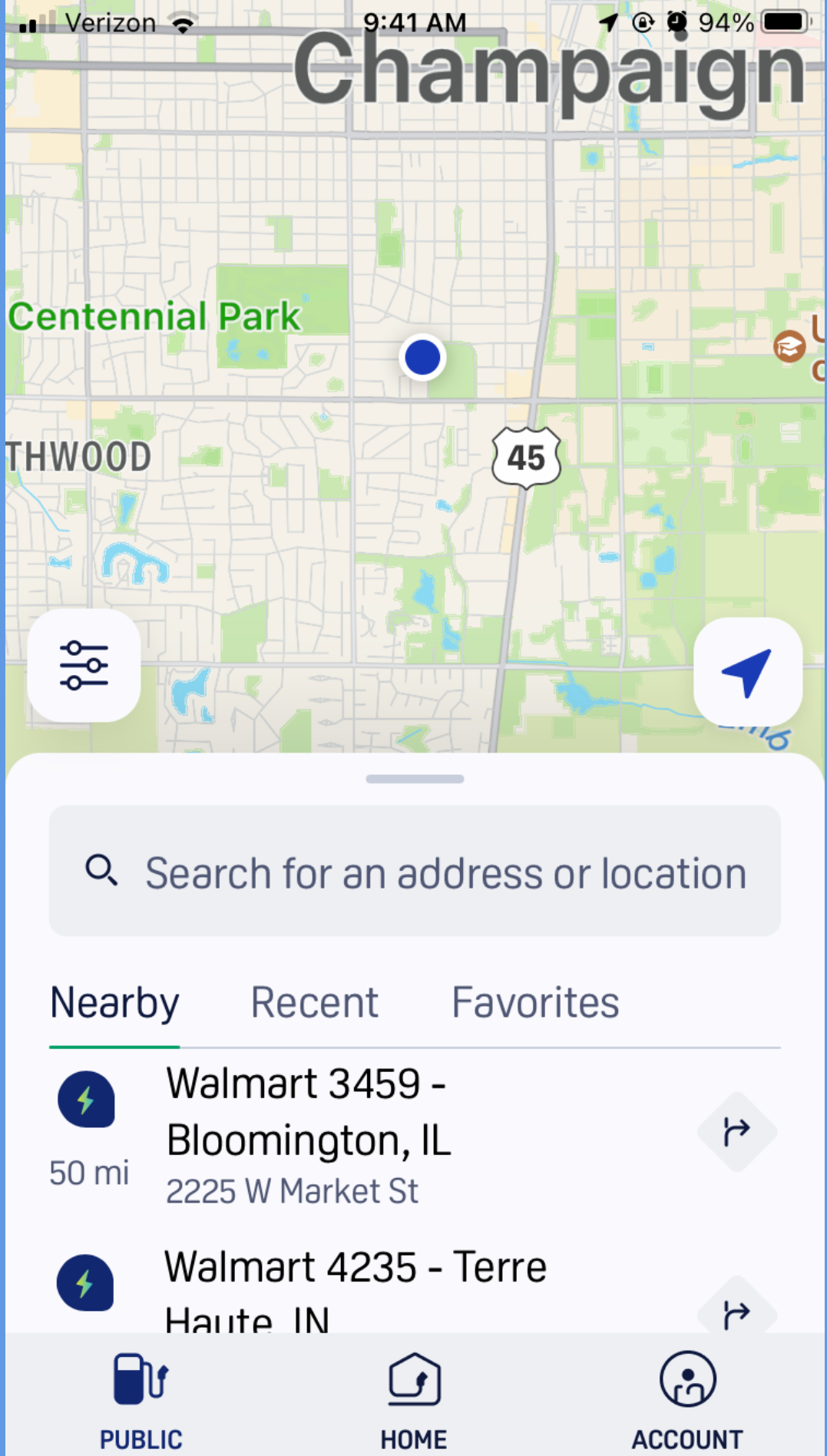
Tesla is its own world - you only need it if you own one.

Left image the start screen if you're in Champaign, center -the location on I355, right - details of current location.

Tesla

Both Tesla and Electrify America only show Fast Chargers

# Session ??: Charger Apps

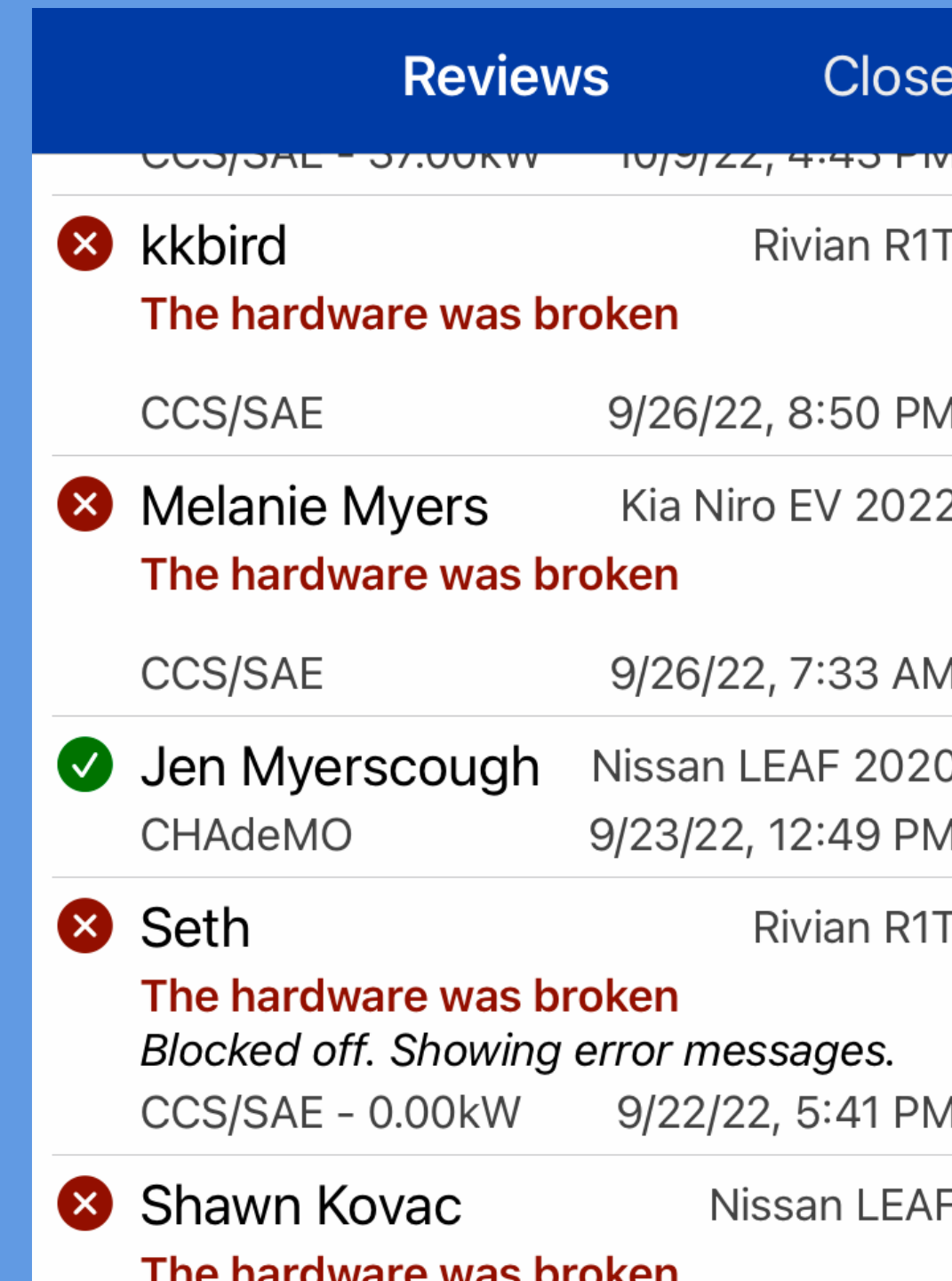
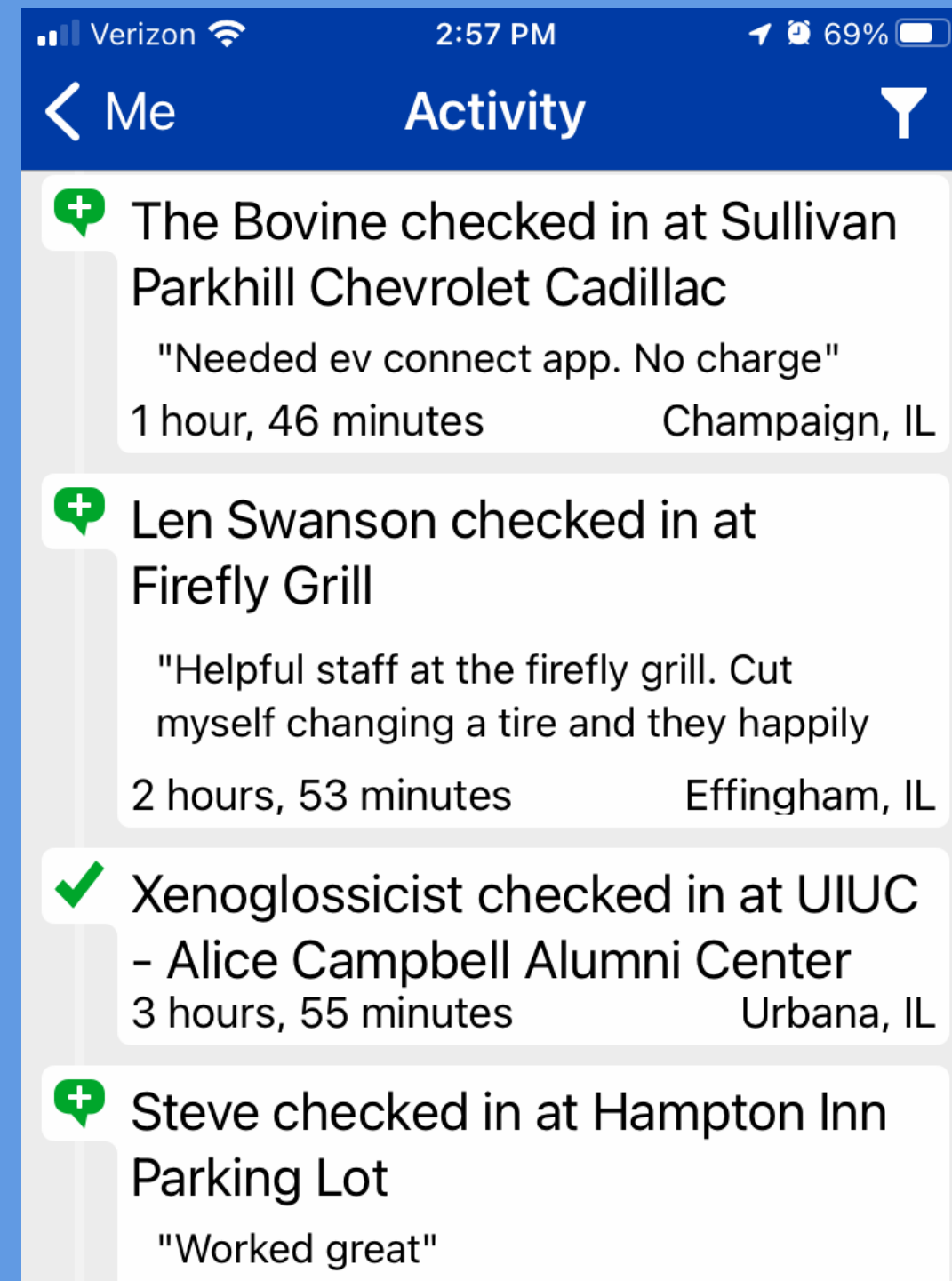
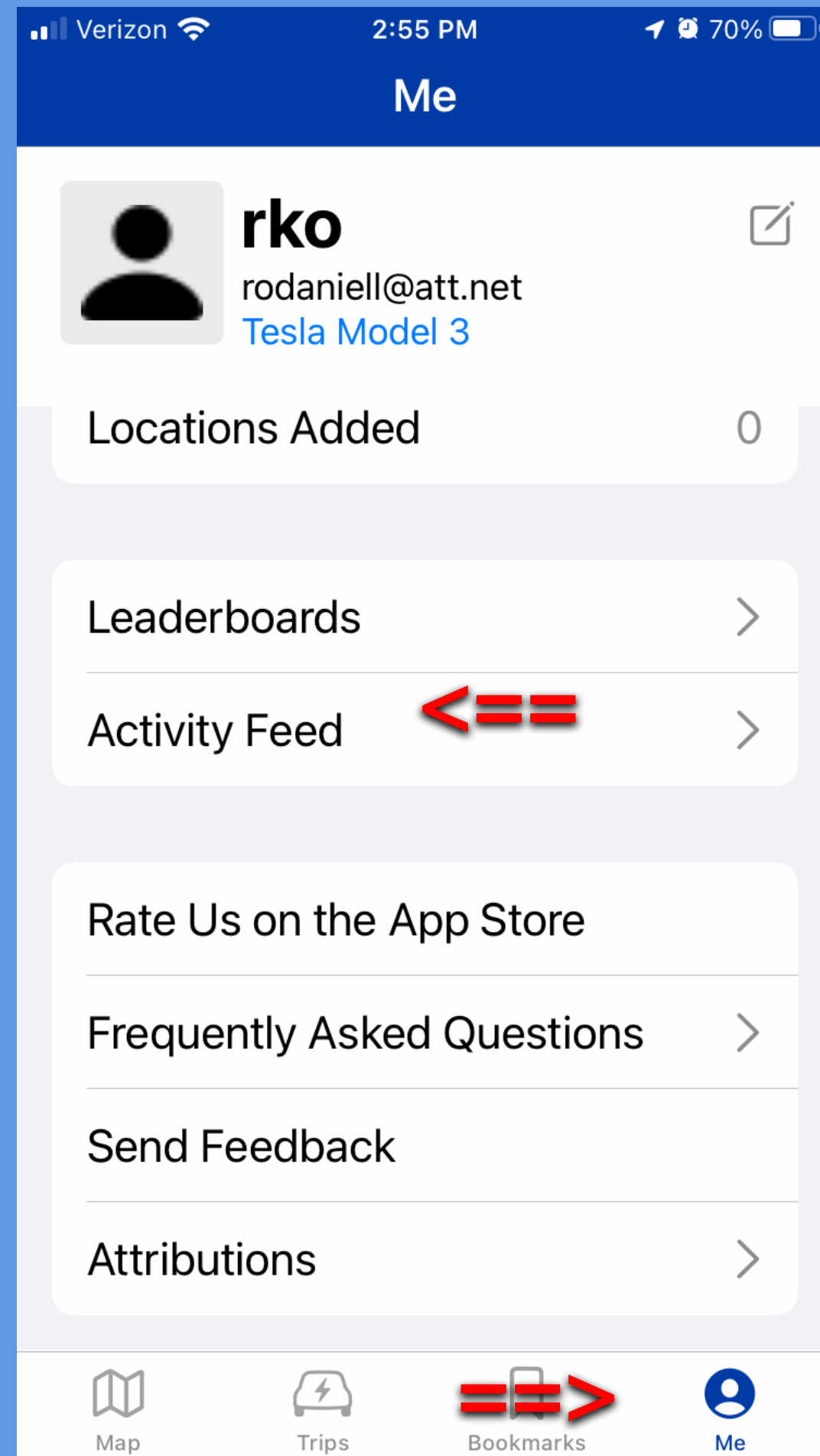


Electrify America

EA- I find very useful because its the best high speed charging network. Left image the start screen if you're in Champaign, center -My go to location in the Chicago area, right - I like the charging history .

Both Tesla and Electrify America only show Fast Chargers

# Session ??: Charger Apps



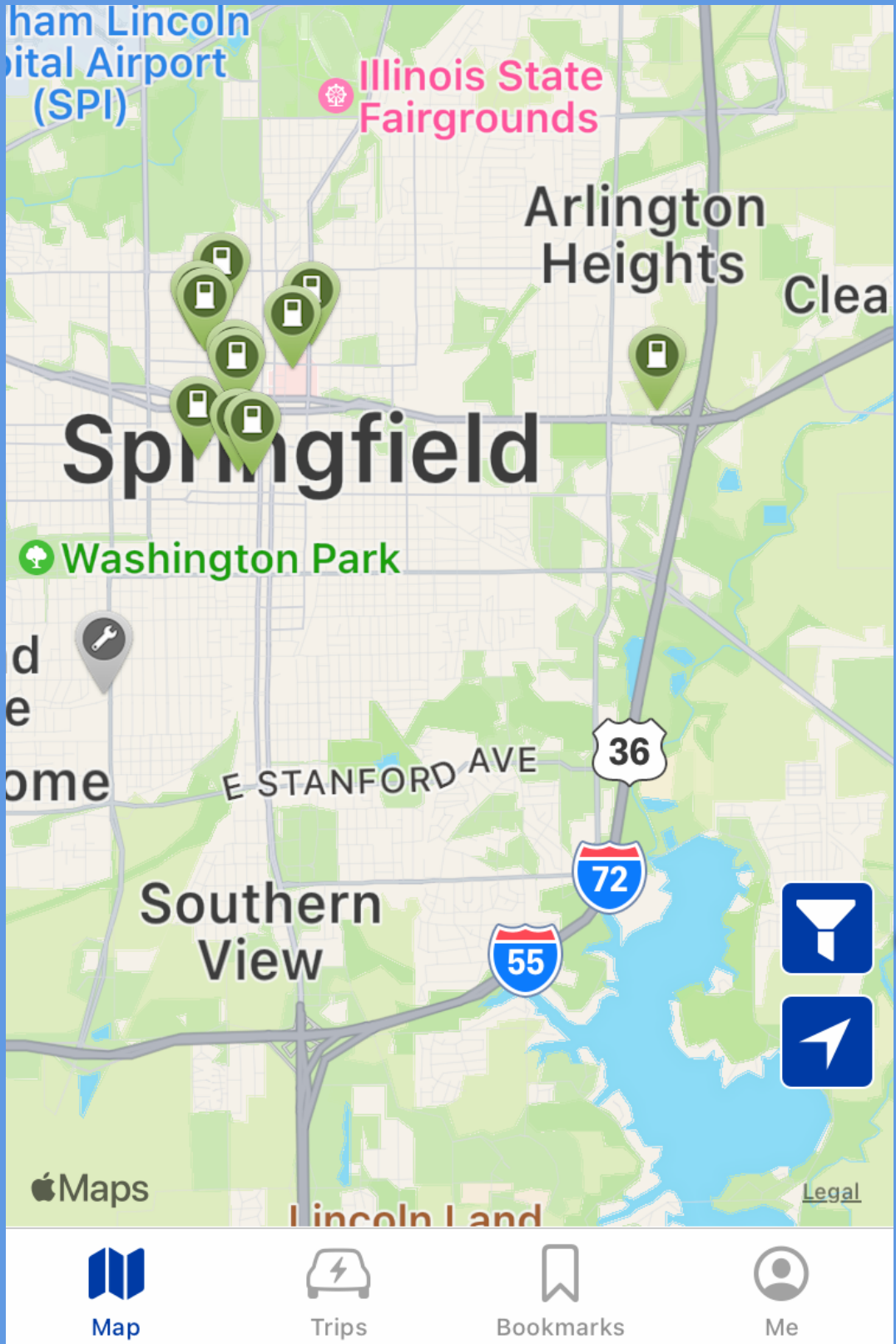
The “reviews” are checkins posted directly to a specific charger location, in this case the Wally’s in Pontiac, still having charger problems.

## Plugshare is a crowd source App

EV users locate, comment on, describe, add photos and review public chargers. Click on the “me” at the bottom, then “activity feed” (red arrows) and you will get the most recent checkins from an area within 50 miles or so from your current location.

# Plugshare

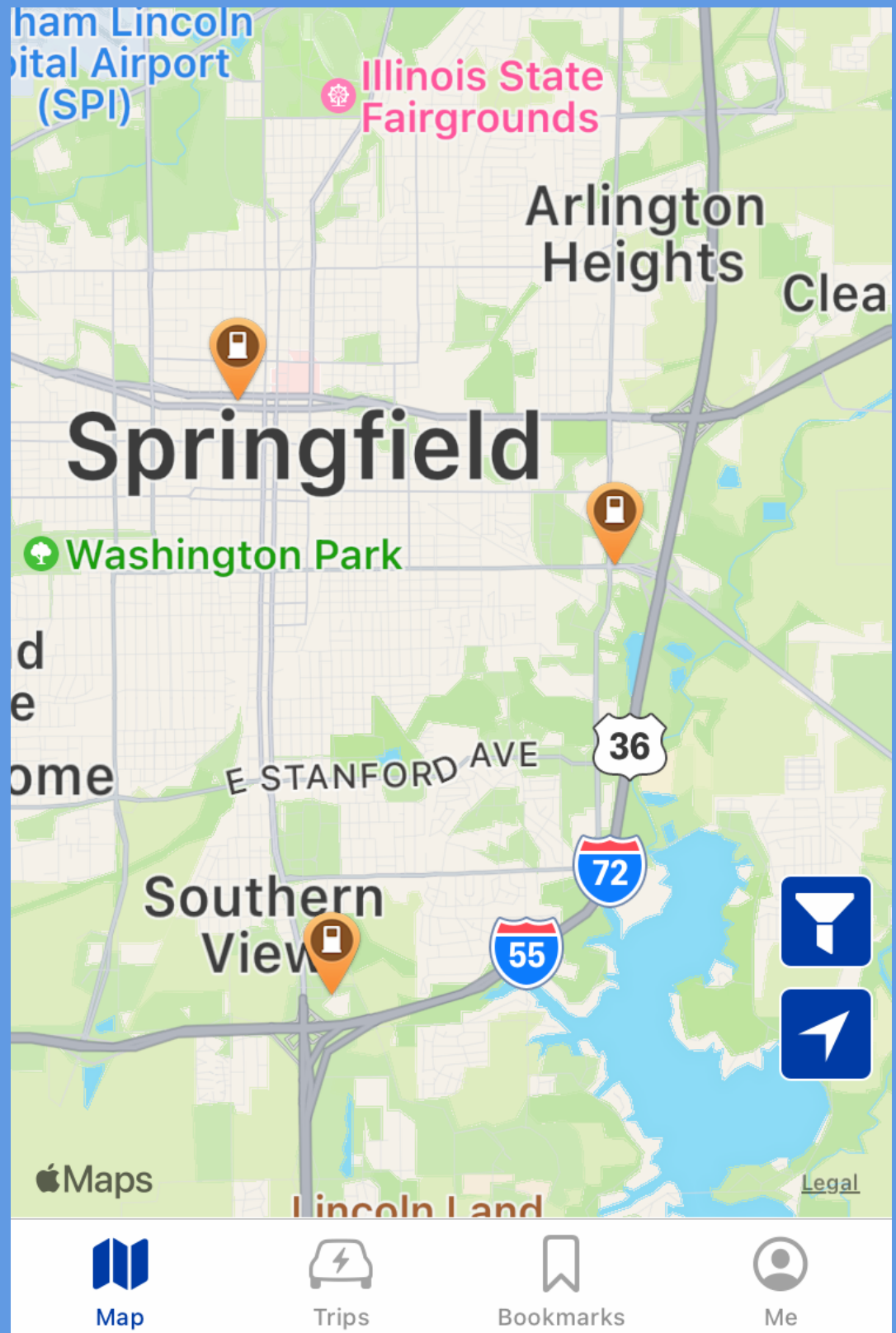
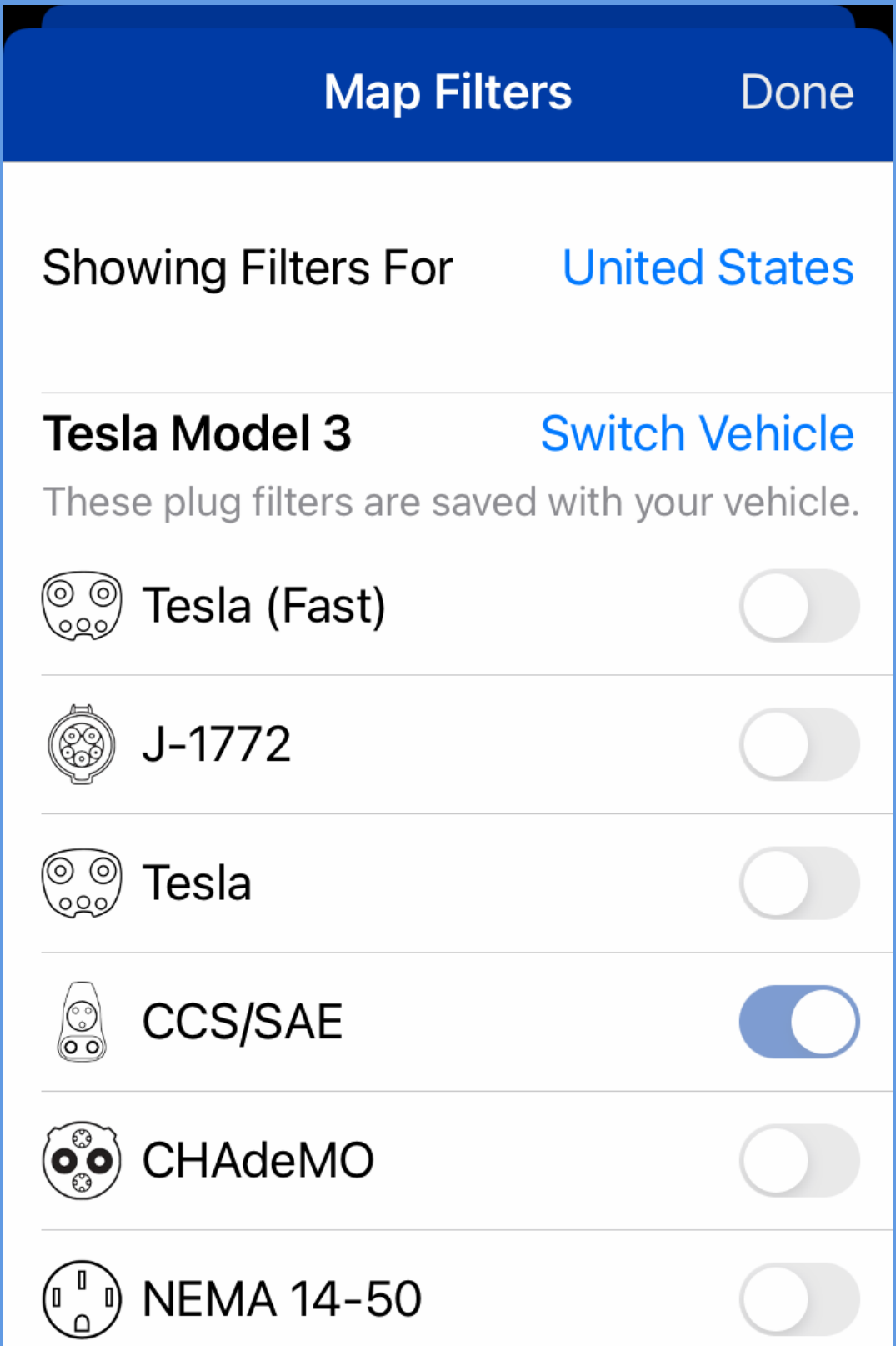
# Session ??: Charger Apps



Icon to change to current location



Icon to change to charger type

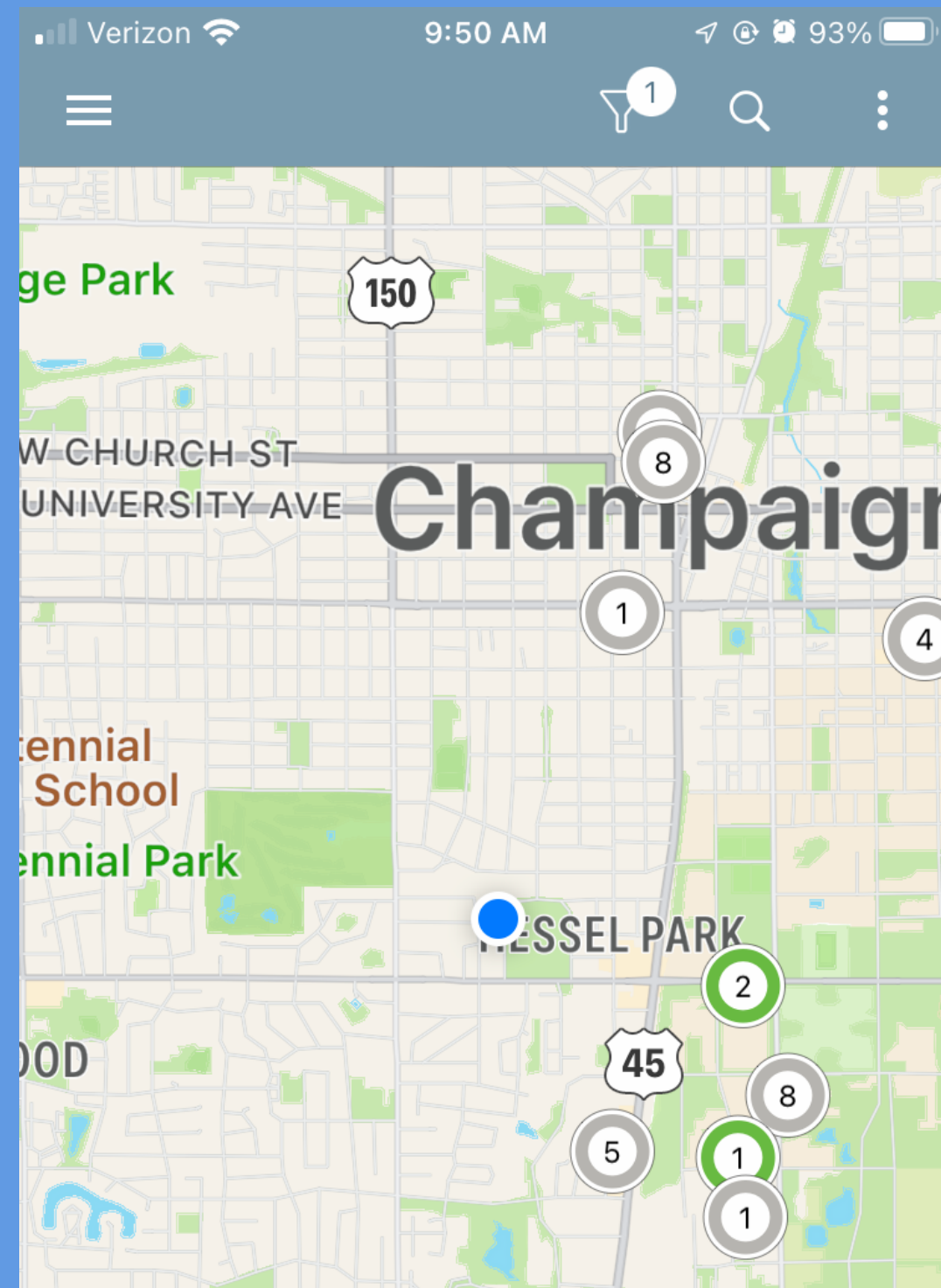


Plugshare

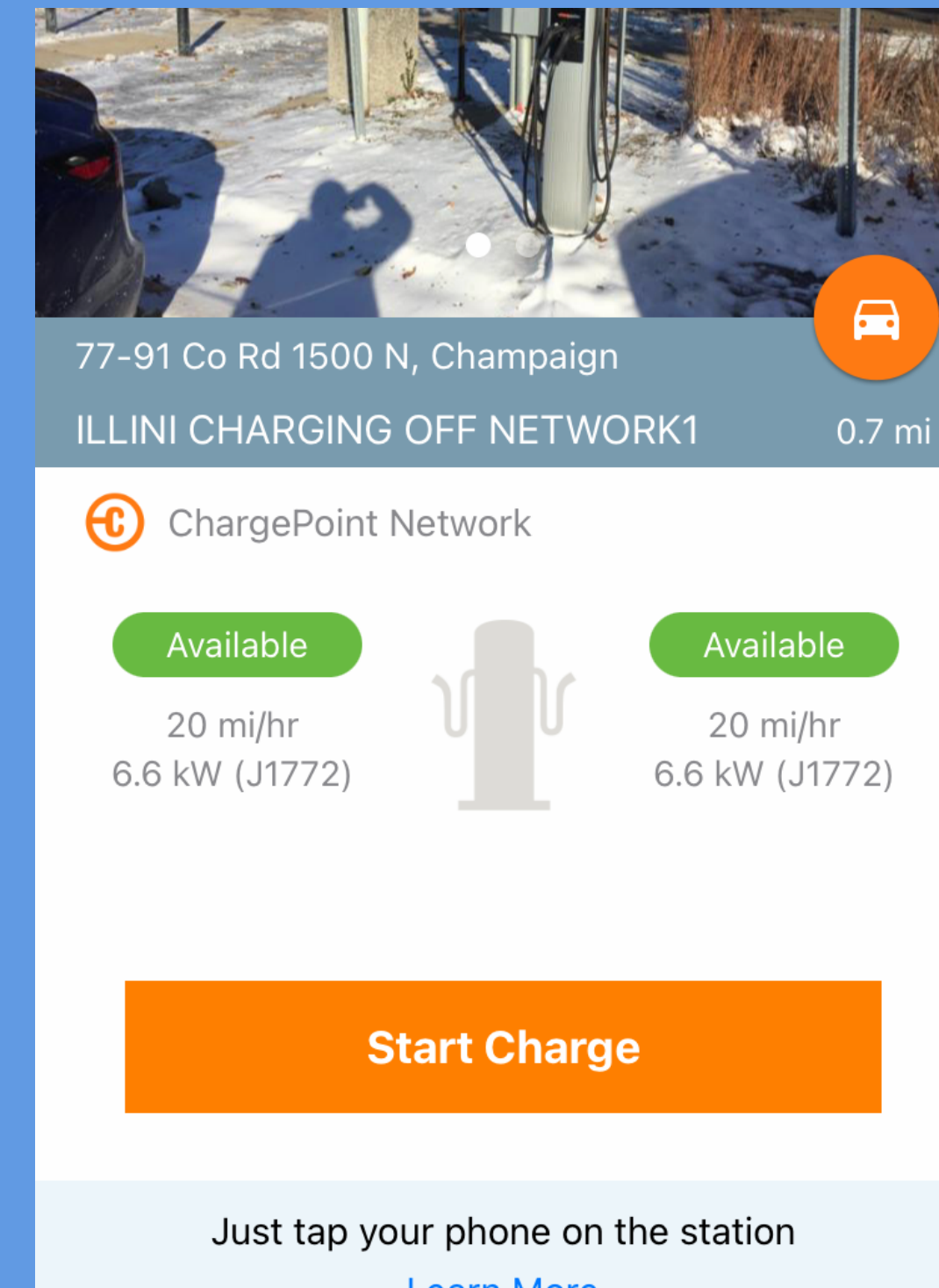
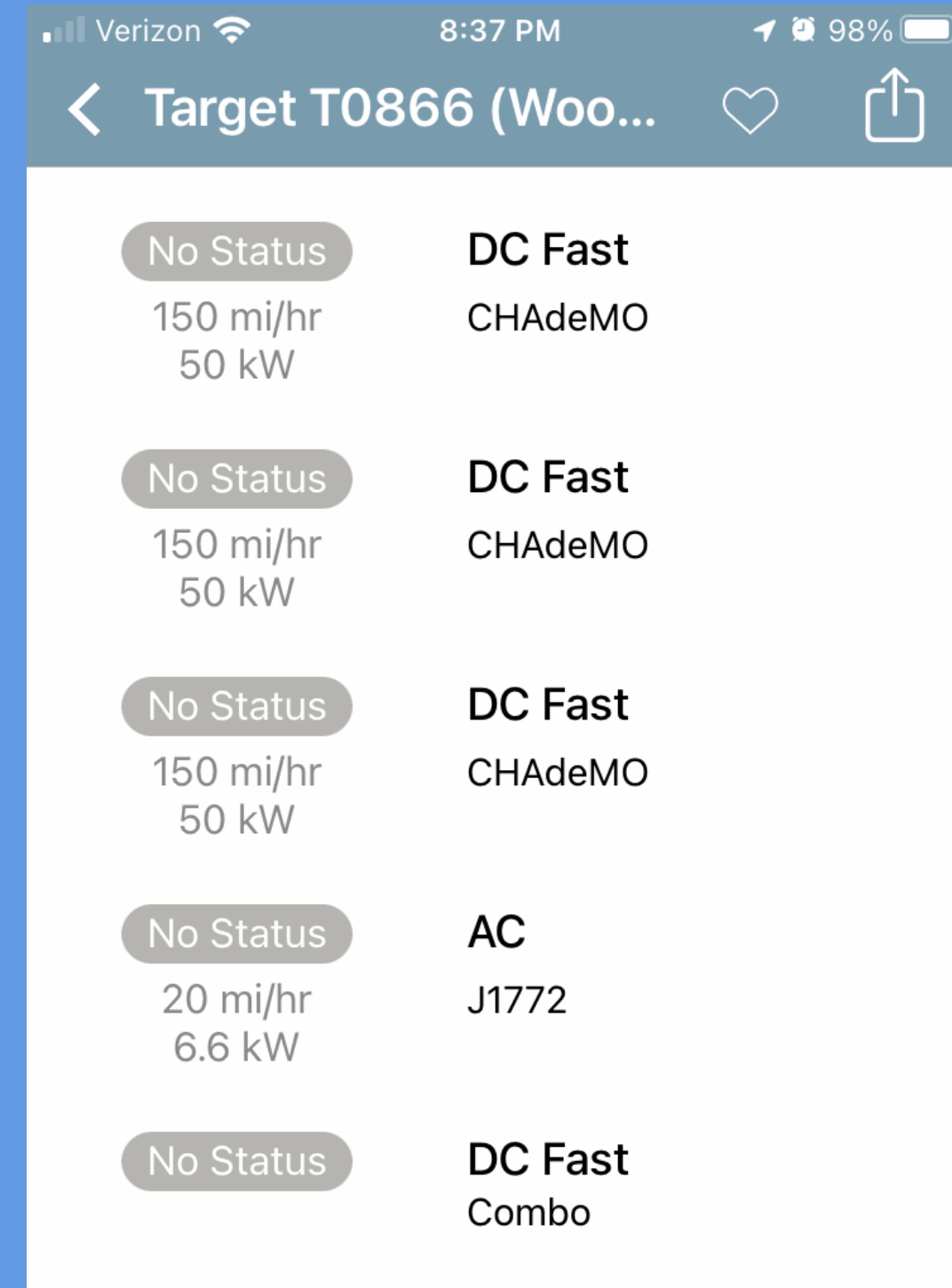
On some apps you can select which type of charger is being searched. On the left app shows lots of level 2 locations. Click on the charger type icon. Select type of charger you want to see. Save and now the map shows CCS DCFC locations.



# Session ??: Charger Apps

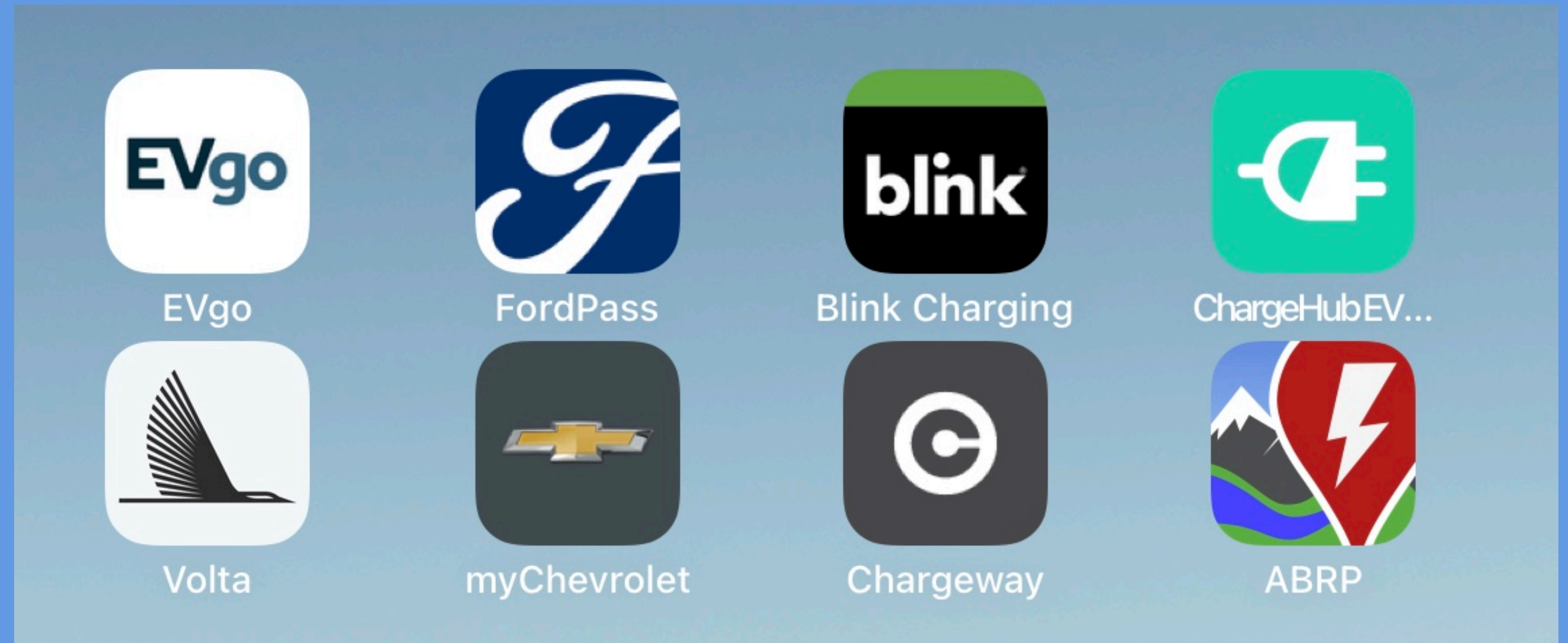


ChargePoint



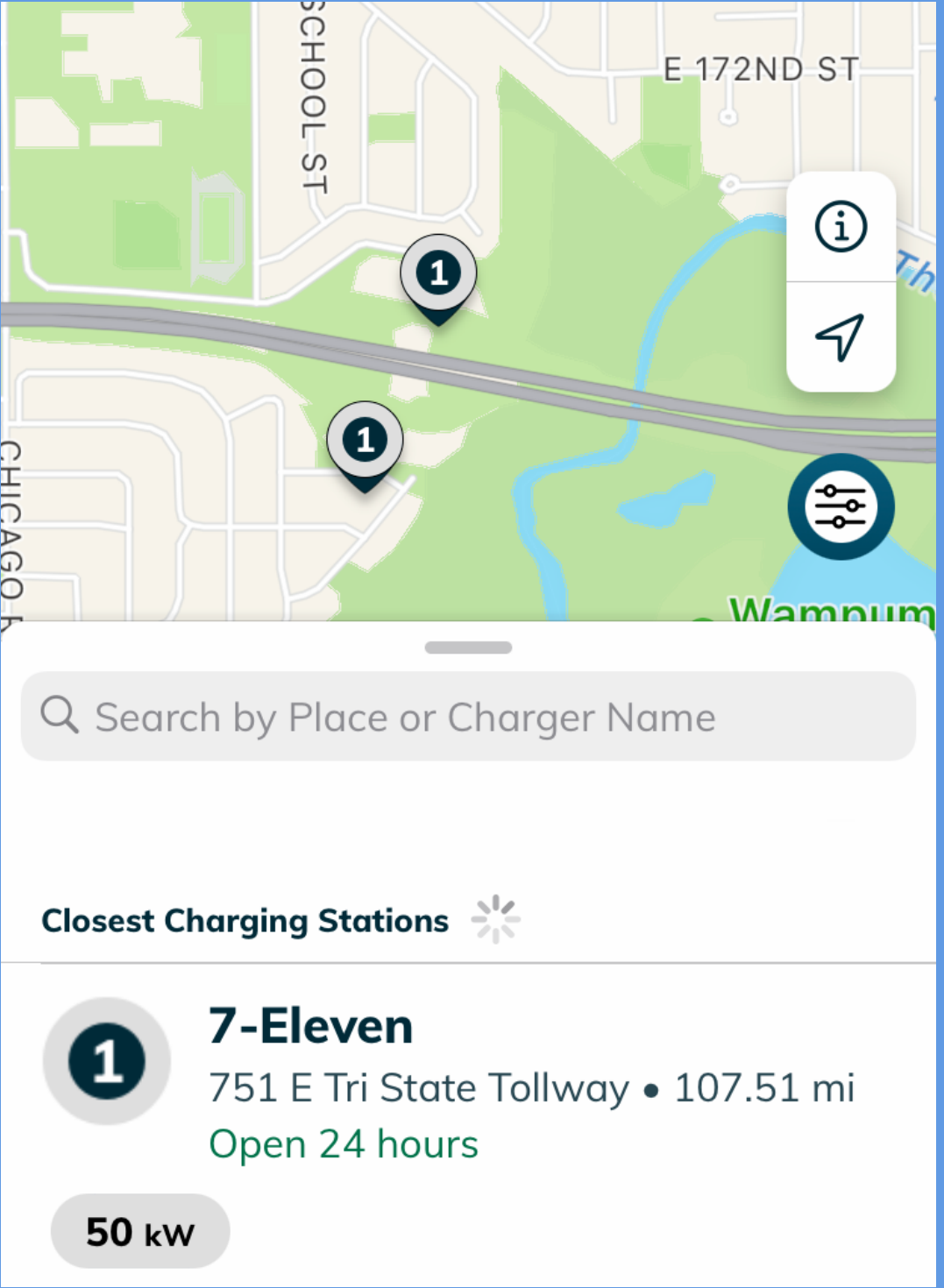
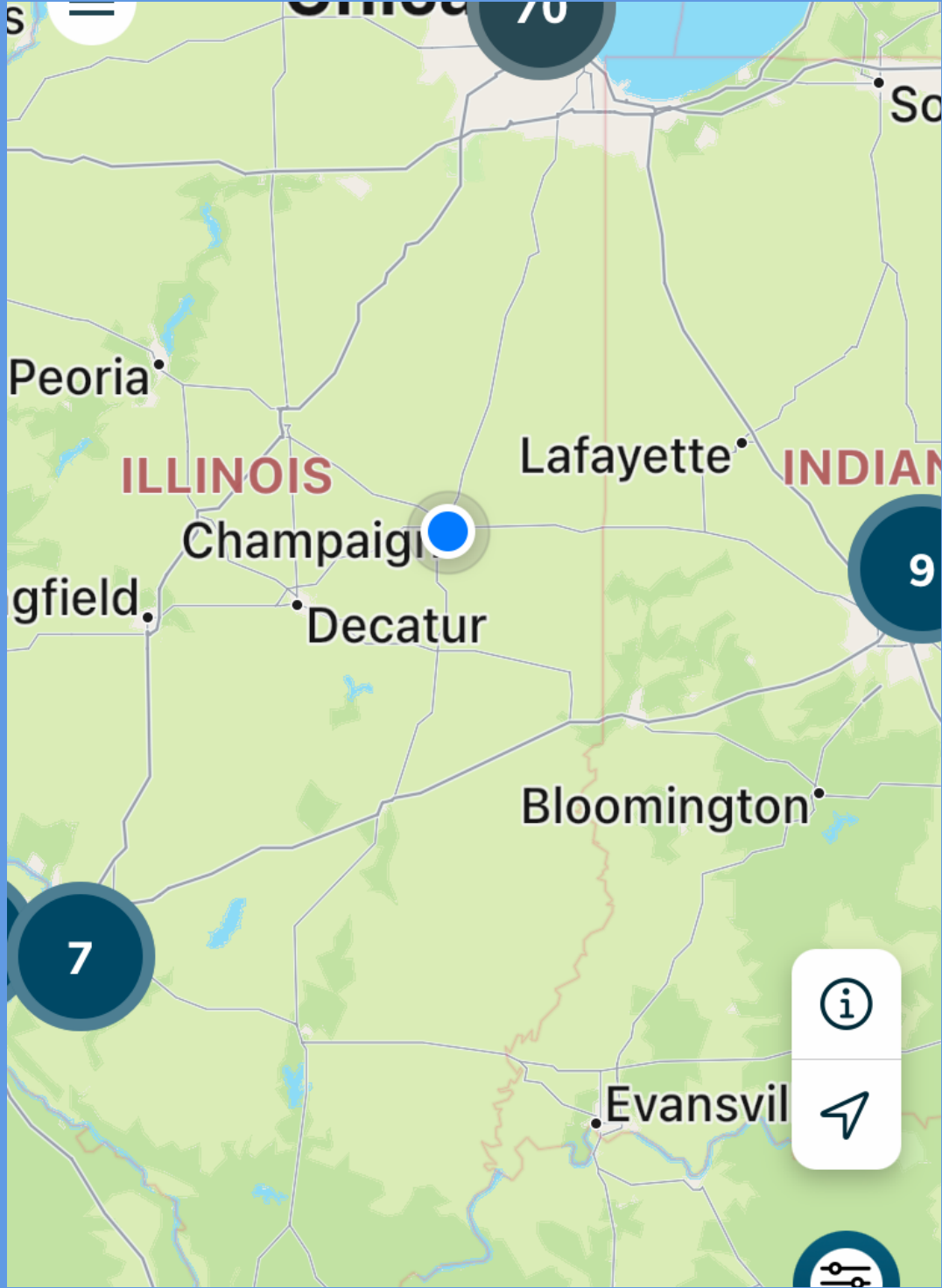
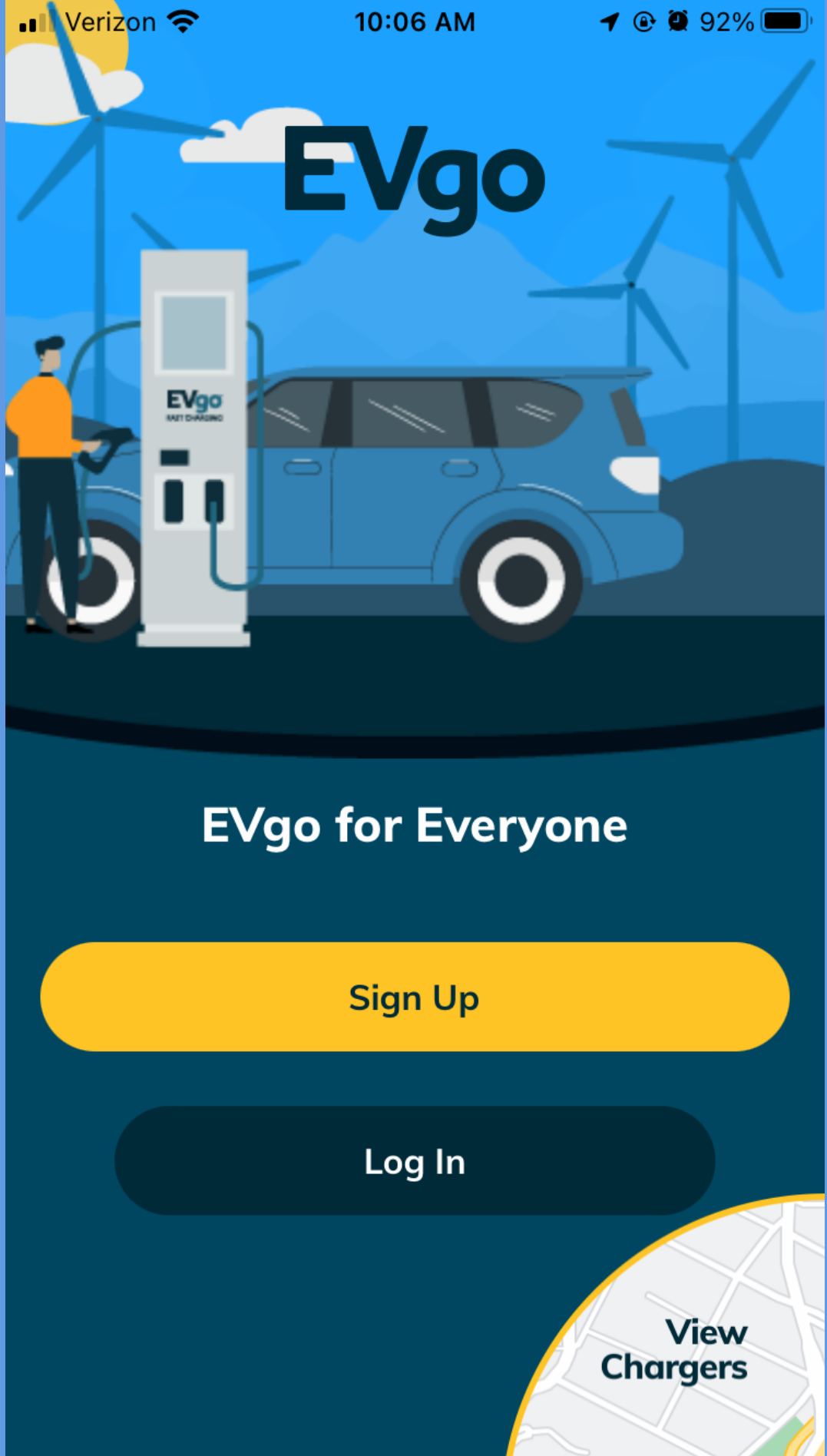
I don't find very useful except for using the app to when using a charge station (right screen) Left image the "home" screen if you're in Champaign, center - a description of an Electrify America location. I prefer to find Level2 stations with PlugShare, then switch to Chargepoint app if its one of theirs.

## Session ??: Charger Apps



A quick run-through of the others.

# Session ??: Charger Apps

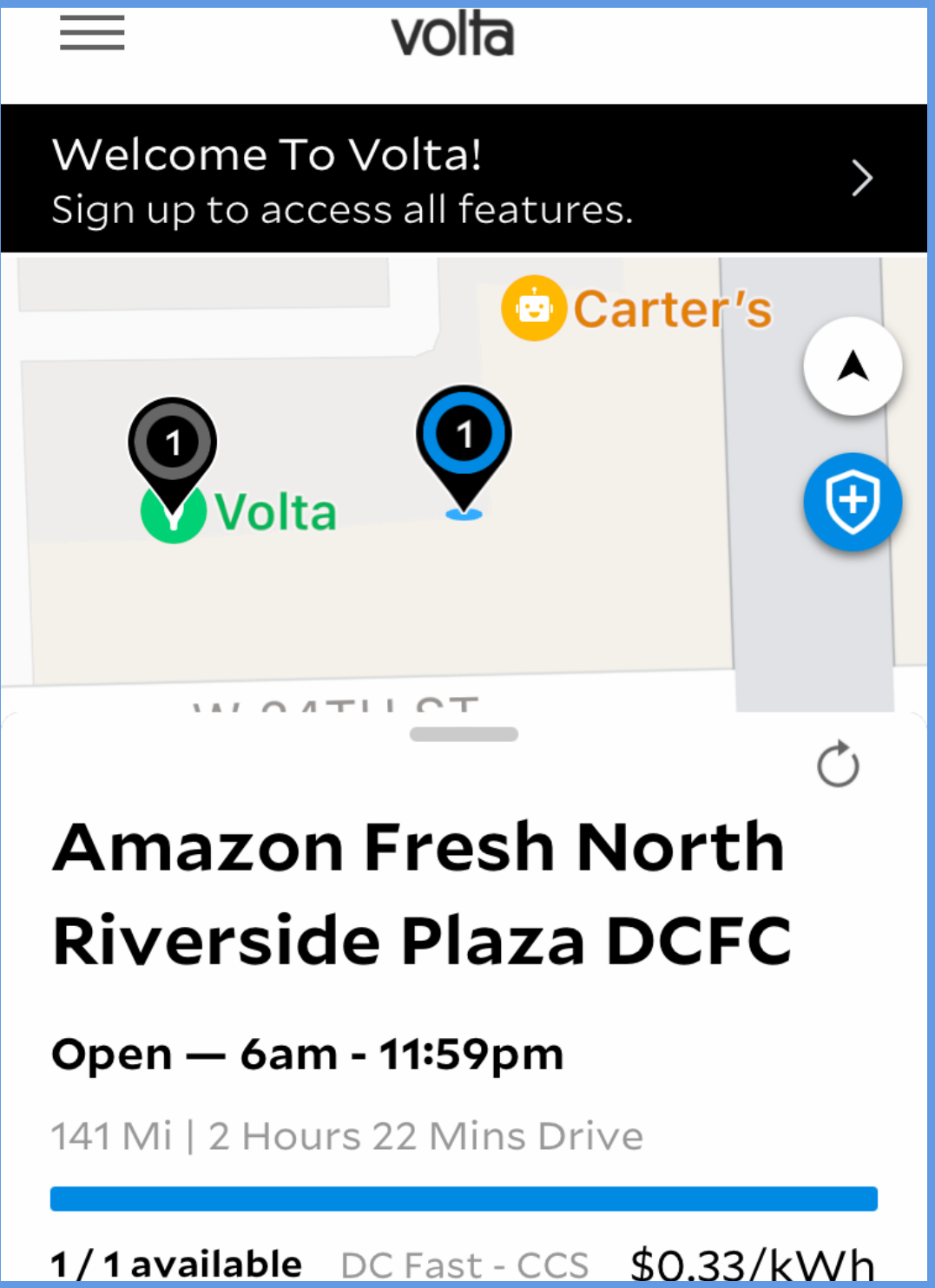
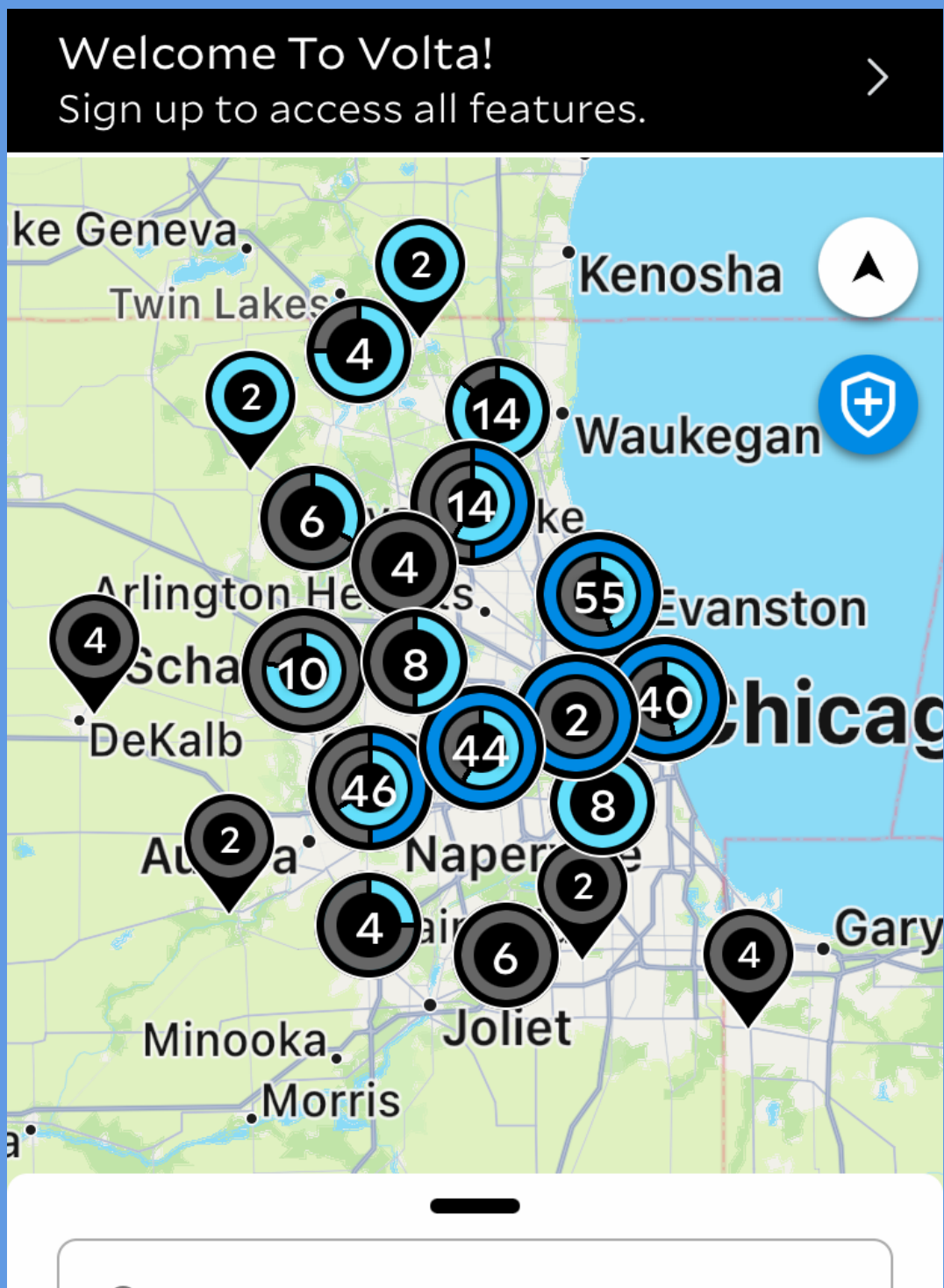
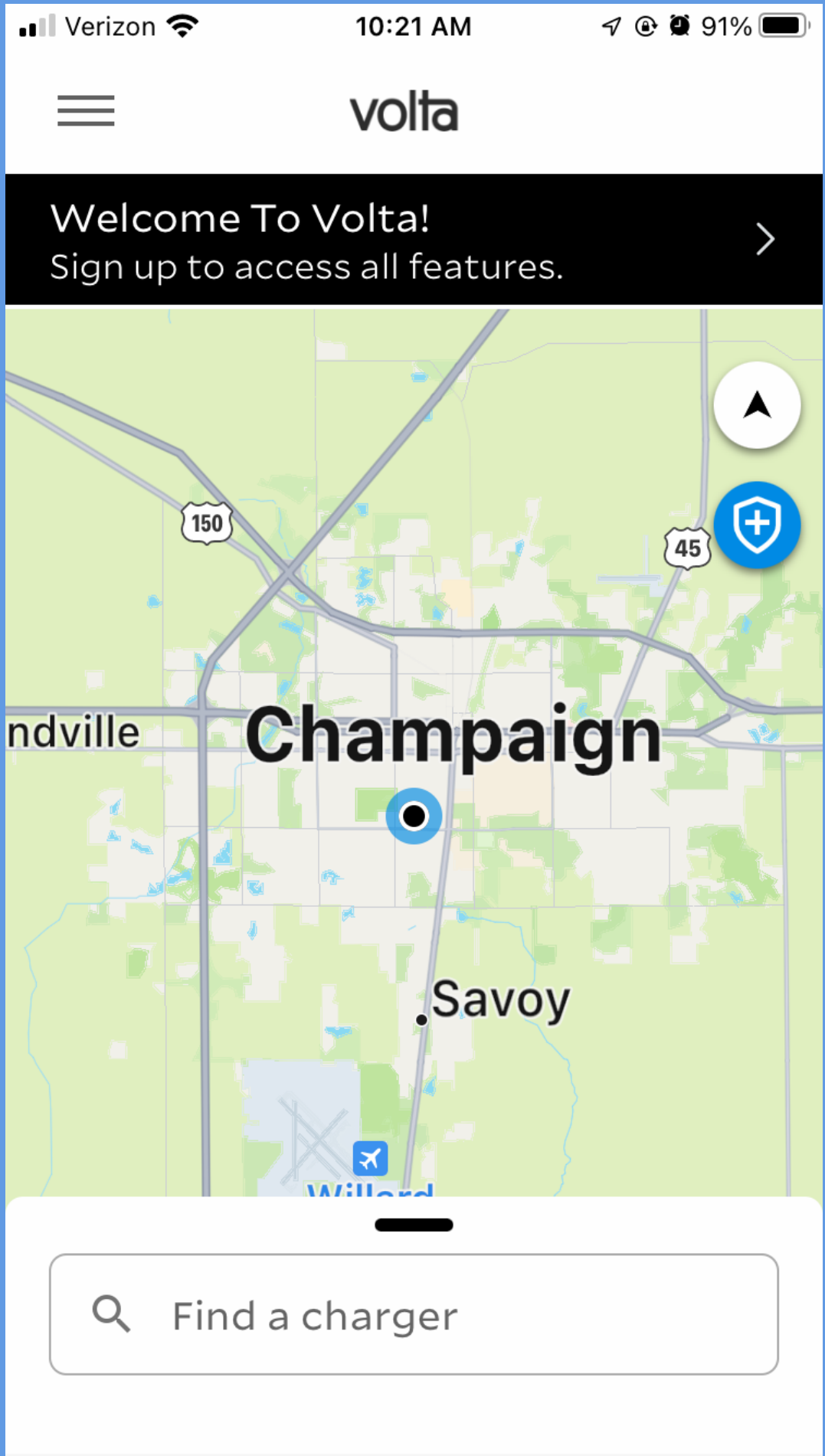


Left image the start screen, center -very few locations in Illinois, right - details of a typical location with only one 50 kw charger.

# EVgo

EVgo used to be somebody - until 2020. Their growth stalled and Electrify America was started with \$2 billion dollars of VW "Dieselgate money". EA rapidly outpaced them with locations with a minimum of 4 150kw chargers. EVgo is just beginning to grow again, adding locations with multiple chargers of 150 and 350 kw.

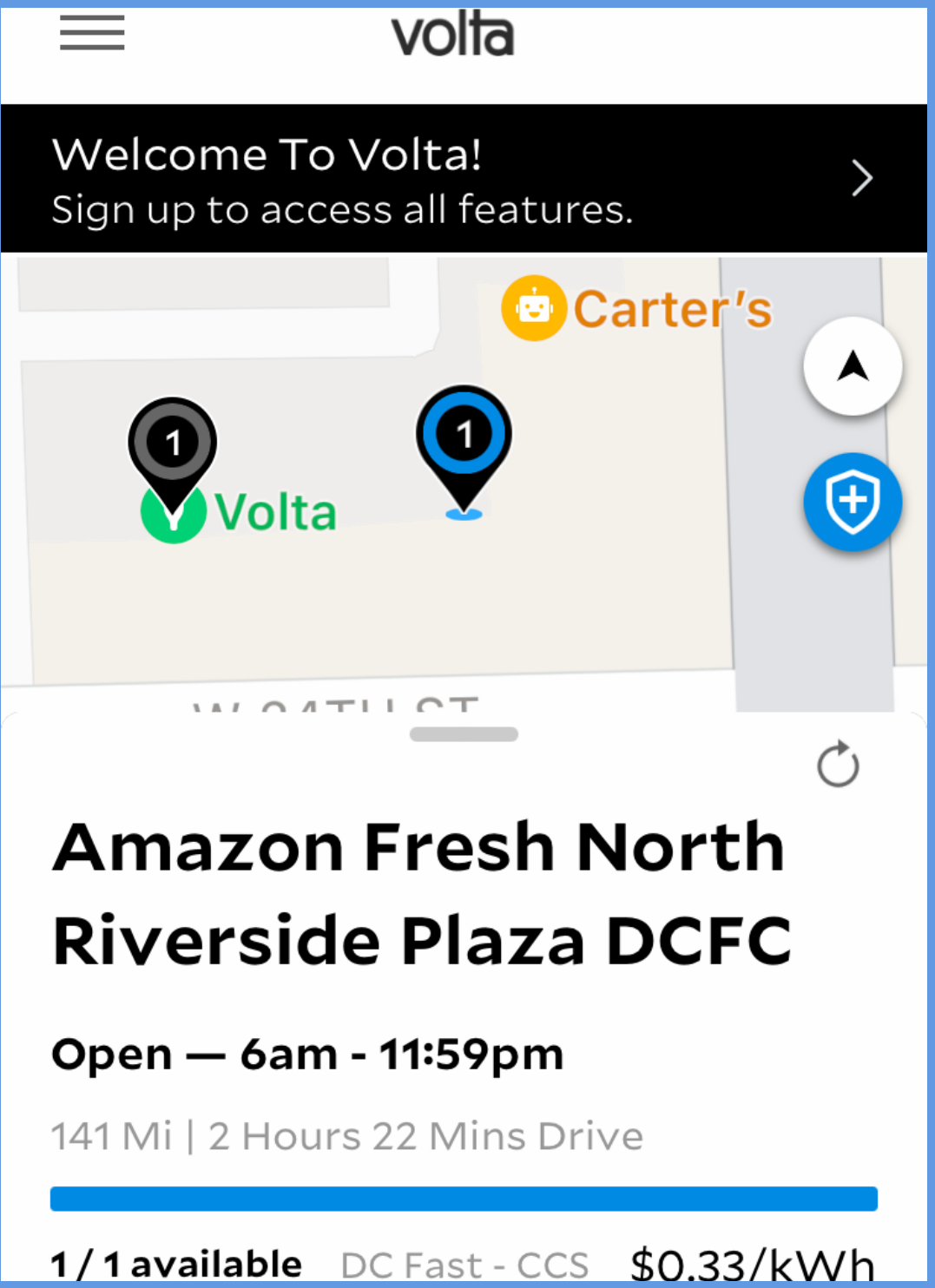
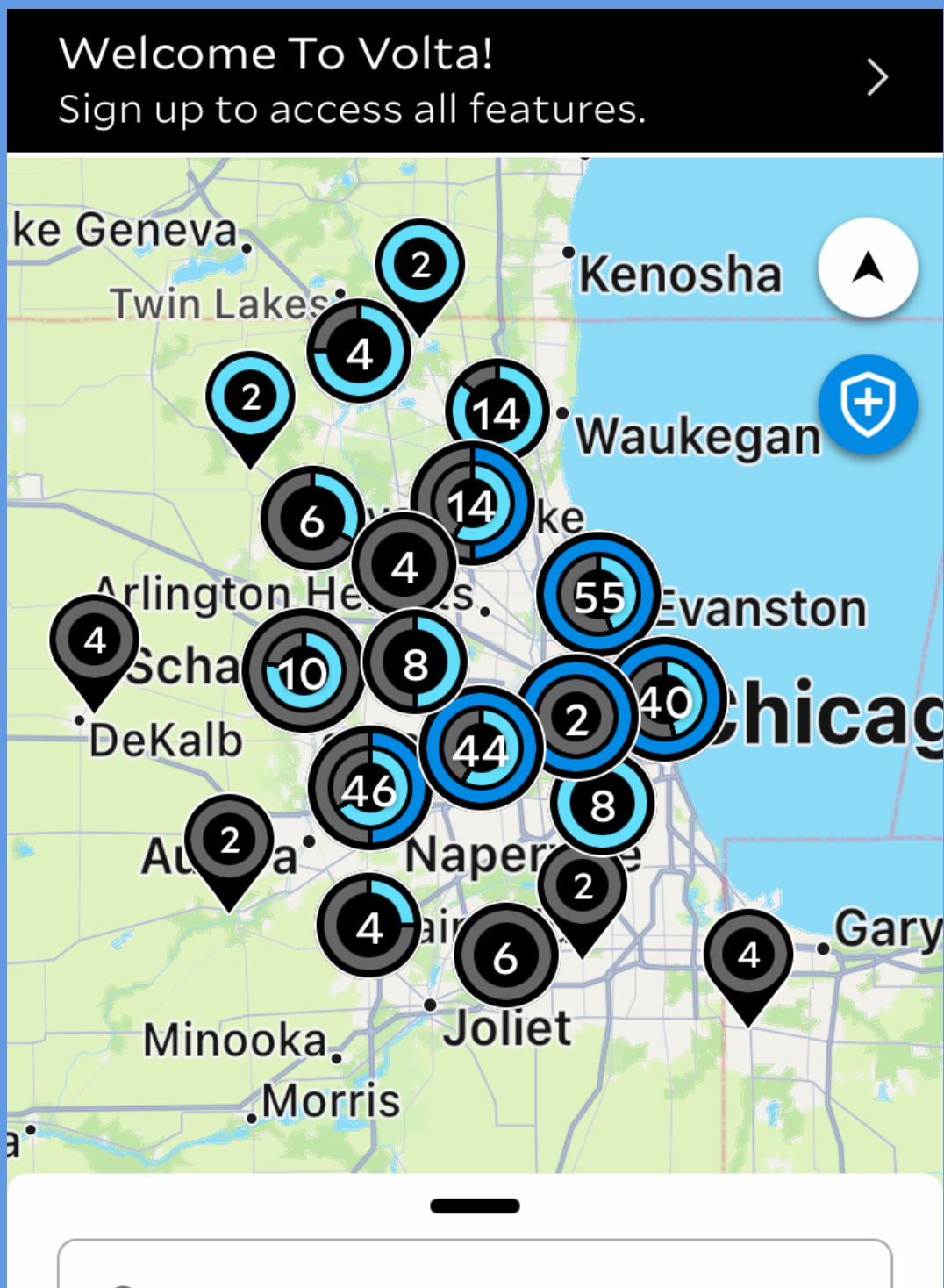
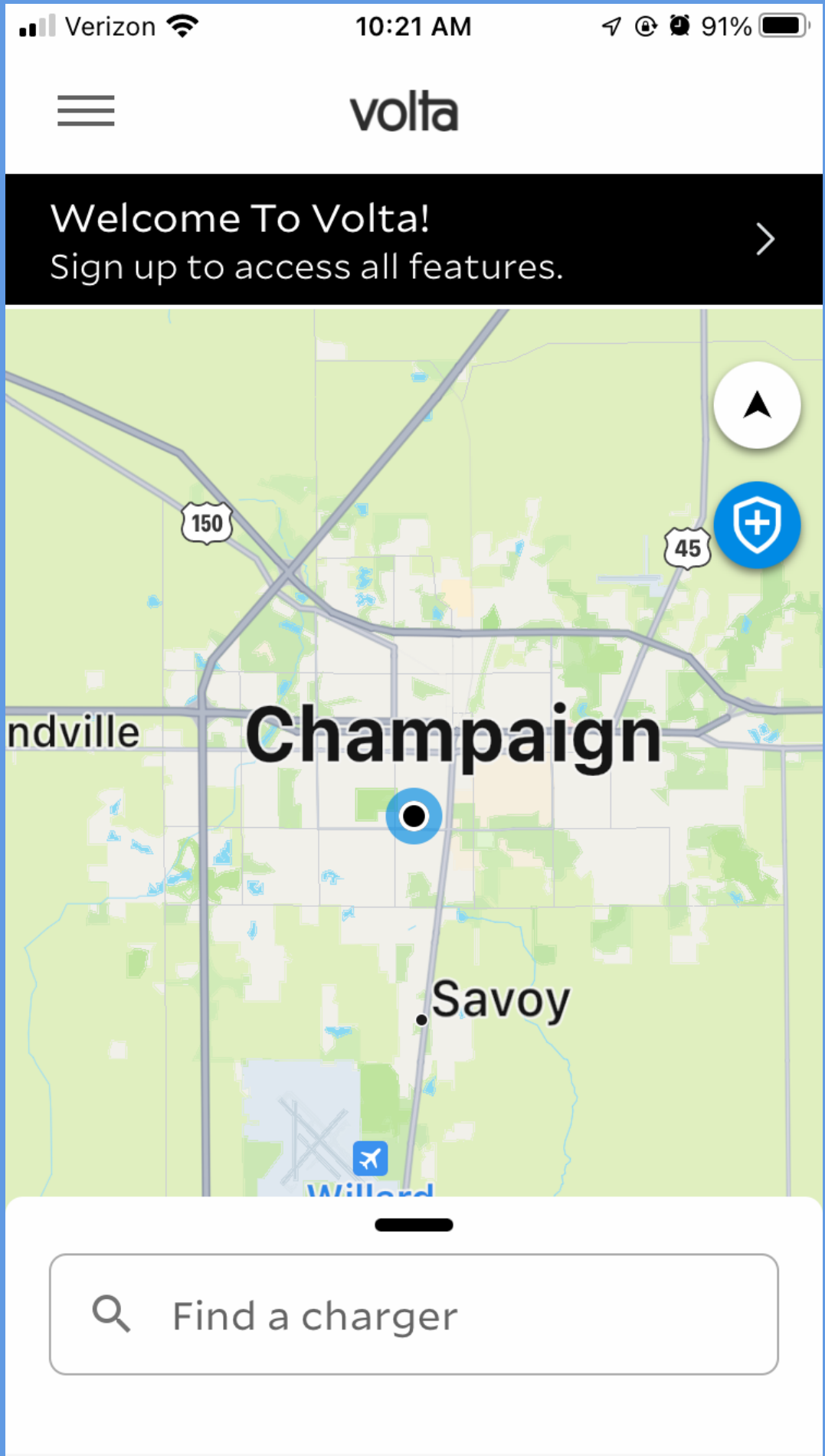
# Session ??: Charger Apps



Mostly level 2 chargers that are FREE. They approach shopping sites, install chargers free to the stores, let EV drivers charge for free and make all of their money advertising on the Charger cabinet. Branching into DCFC, but those have a fee.

# Volta

# Session ??: Charger Apps

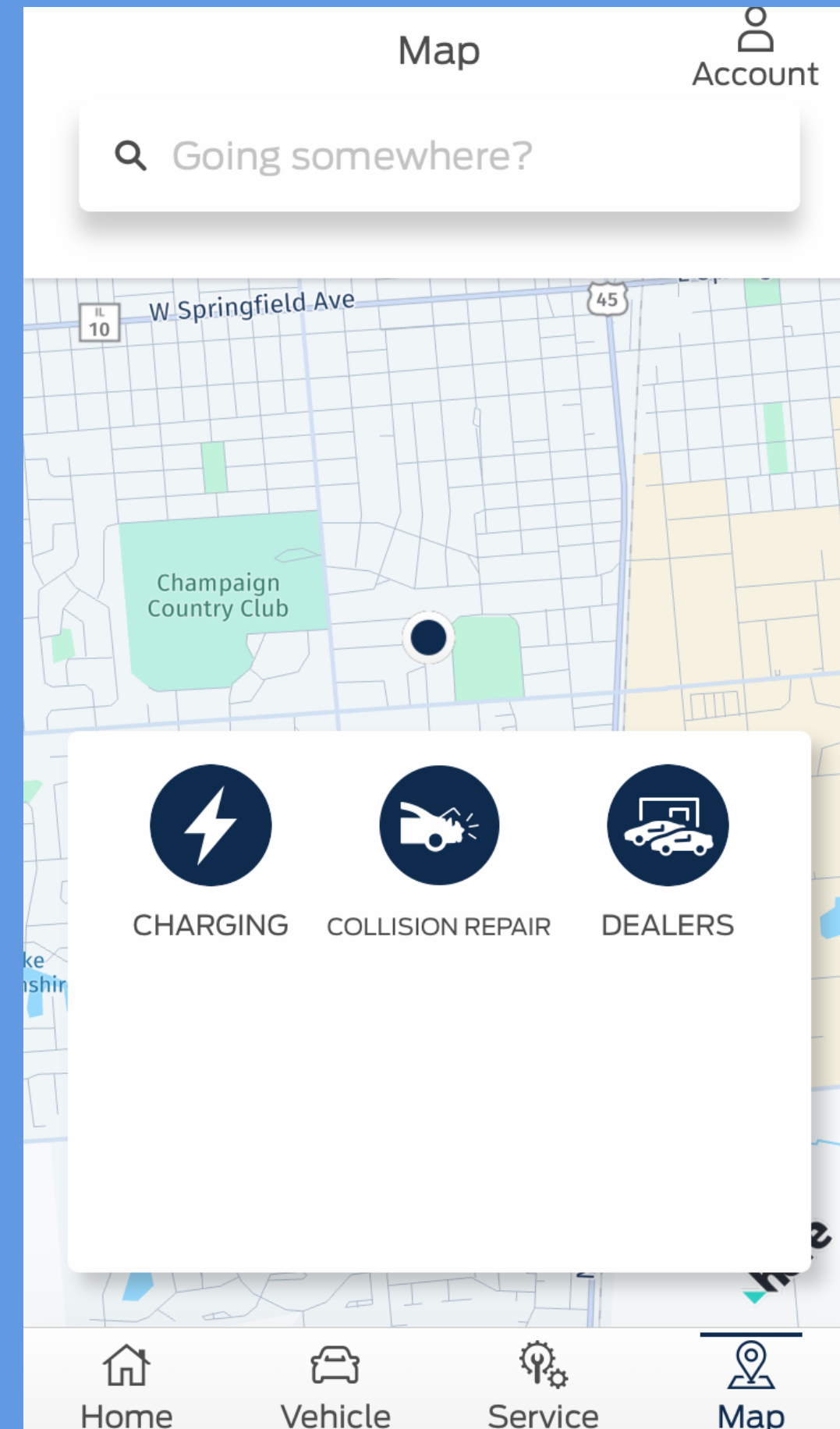


Left image the start screen, , center -Chicago locations, right - details of a location with DCFC charger. Volta DCFC are usually between 50-100 kw.

# Volta

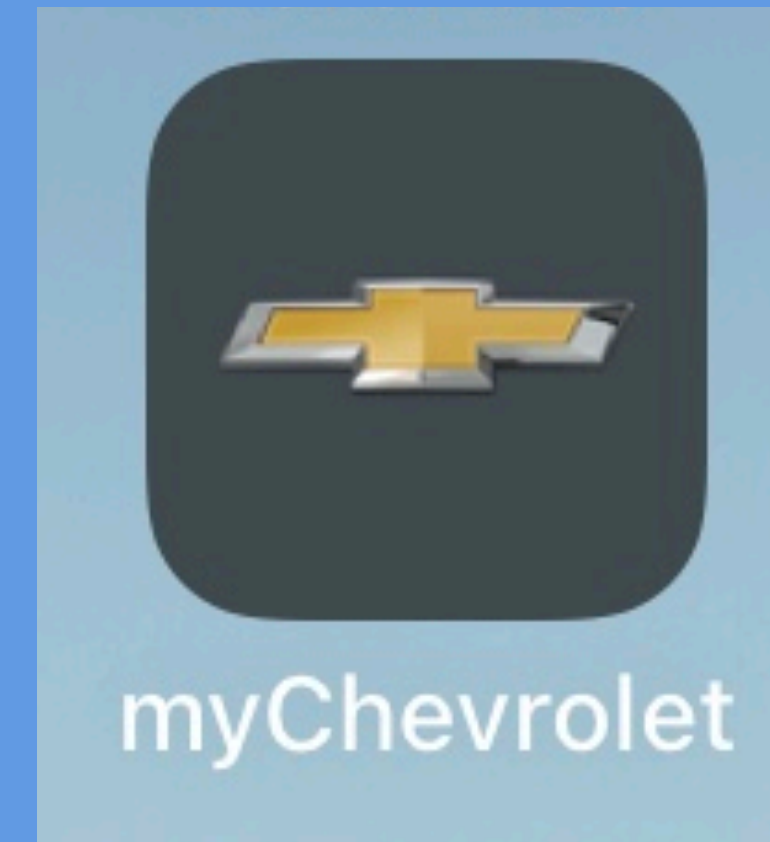
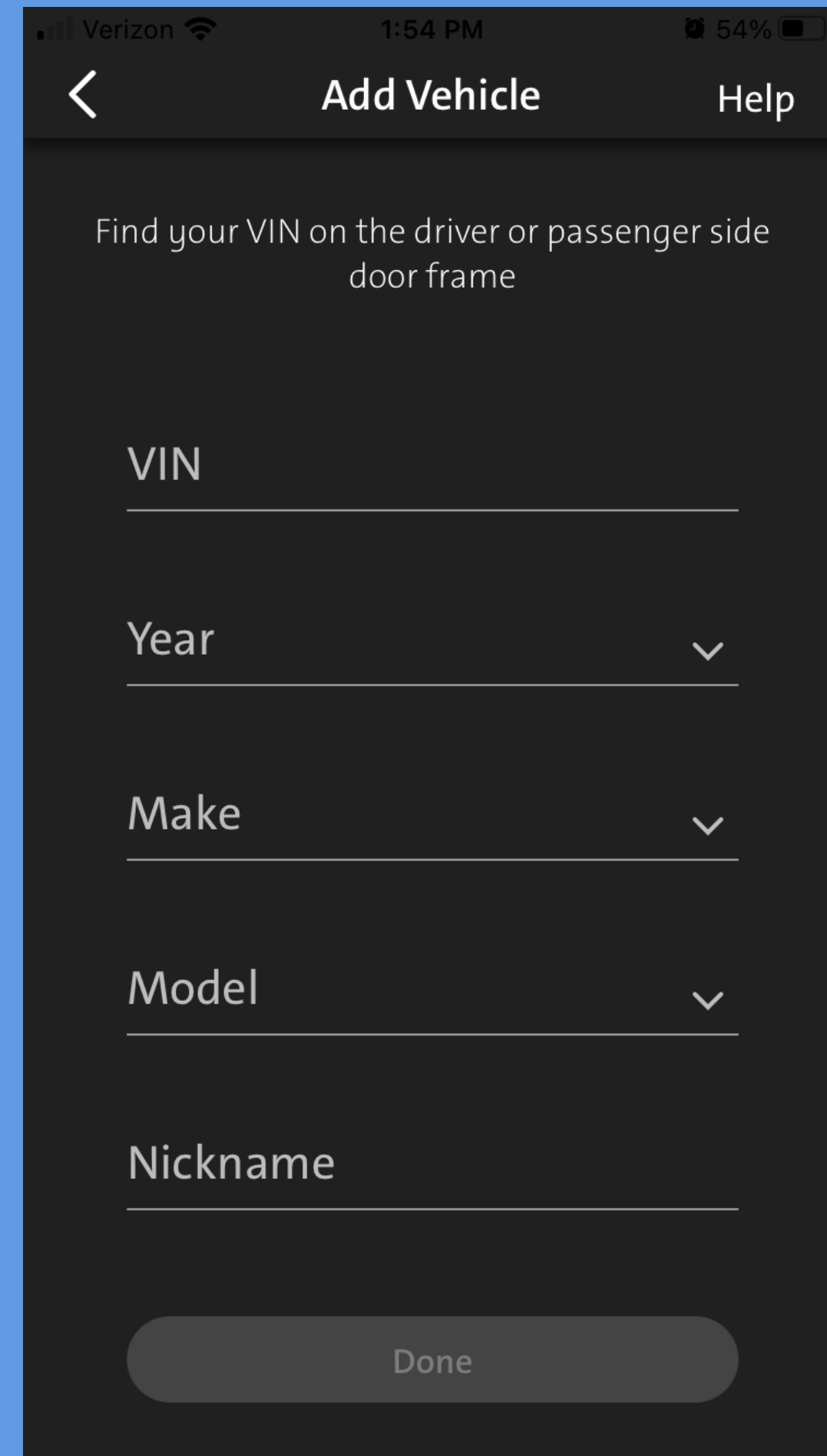
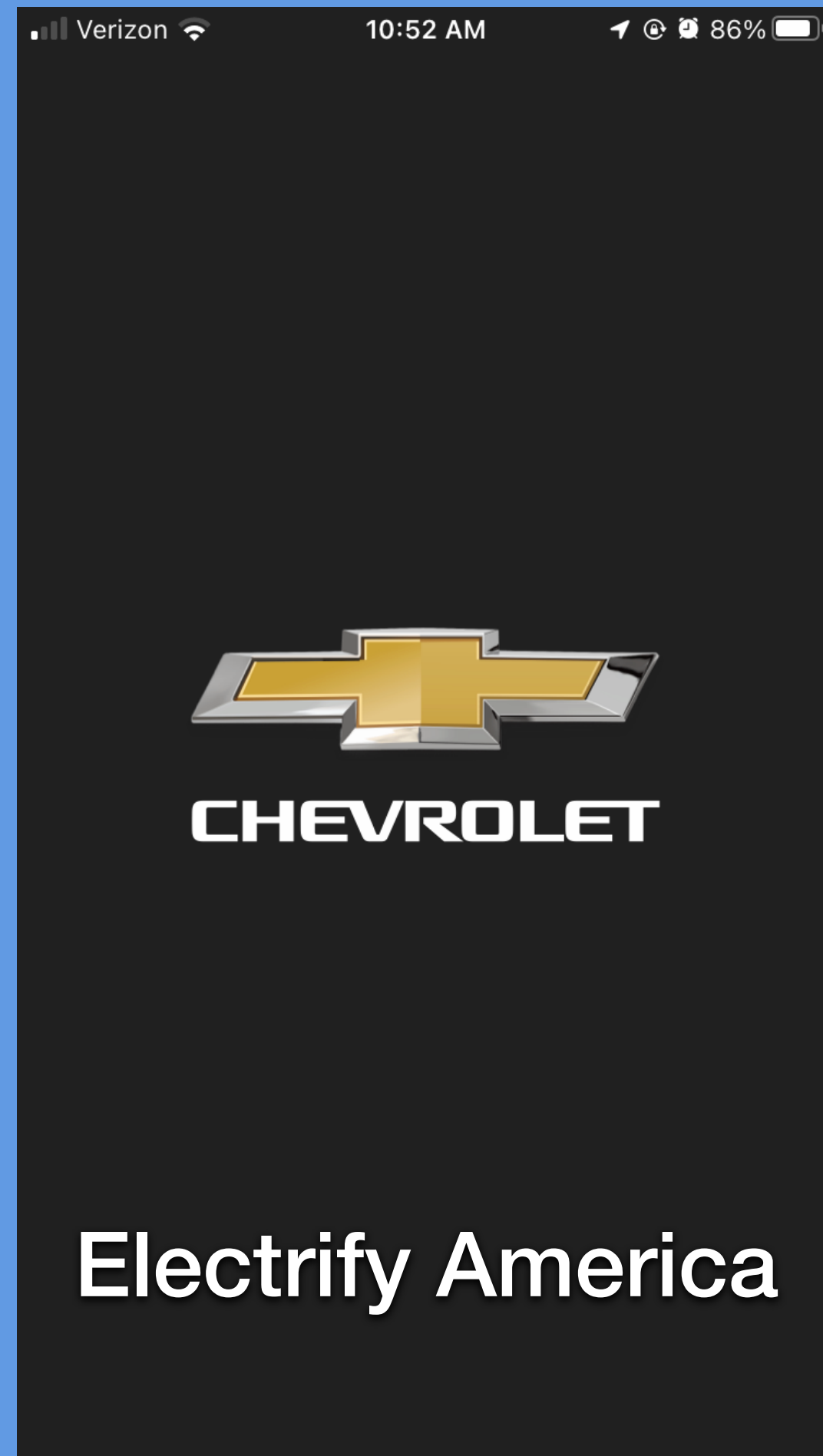
I LOVE Volta - I bought some stock, lost 90% of my money. Excellent charging experience, excellent business plan. Made every prudent long term move and the stock market hammered them. They deliberately slowed growth to wait for Jan 1st federal money.

# Session ??: Charger Apps



Its an app aimed at Ford owners. It has links to services other than charging. Ford does not have a network. When companies like them claim and name a network, almost always it is a partnership with actual charging networks.

# Session ??: Charger Apps



Chevy an app is so aimed at Chevy owners you need a VIN to sign up.

Ford and Chevy apps are likely mediocre at finding chargers. Dedicated apps do a better job of giving information about the chargers and allow better decisions to be made.

## Session ??: Charger Apps

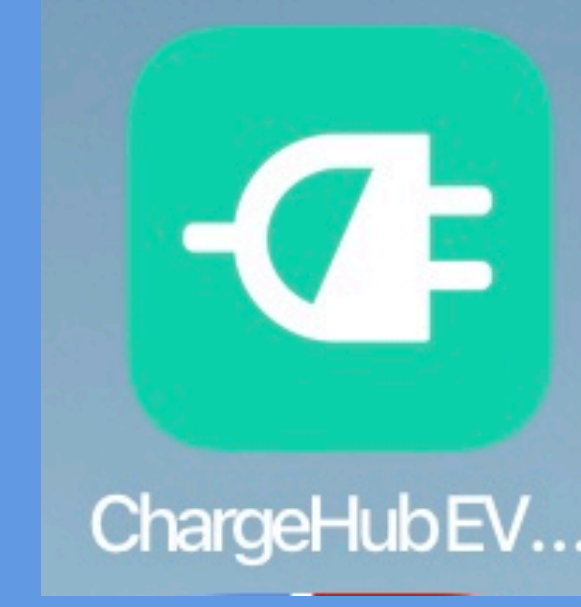
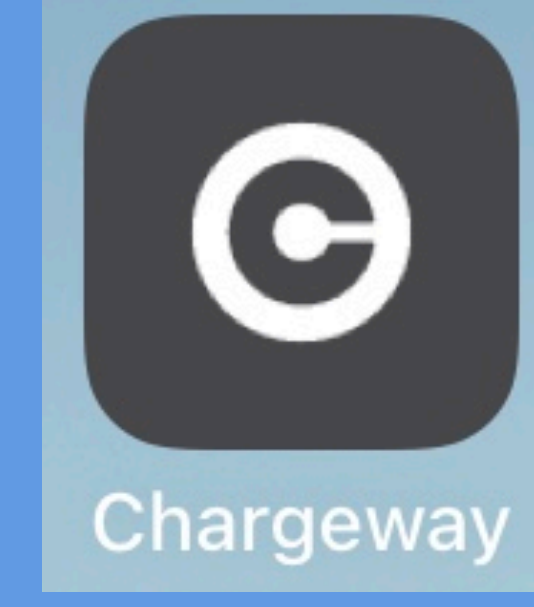


I mentioned before that Blink charger fees are high. Blink would be my last choice for a charger.

But sometime it might be the only charger. If so consider signing up on the app to get discounted fees.



Shell is starting a program to install DCFC at gas stations. App call ShellReCharge. Charging network is Greenlots renamed. Planning installation of 500,000 chargers by 2025. Currently this app has little use (IMO)



ABRP ( a better route planner) ; Chargeway; EVConnect; and ChargeHubEV. Primarily early attempt to make route planning easier. Interesting concept - try them. I personally will do most of my planning with Electrify America and use PlugShare to fill in the gaps. Both work quite well on the dining room table with a cup of coffee. (Or at a coffee shop)