EV Charging Station Location Strategy

A Data-Driven Approach to EV Growth on a National Scale

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LAST CHANCE
FUEL SERVICE 24 HRS
GREEN ACRES


Edmonton
Calgary
Regina
Winnipeg
Vancouver
Seattle
Portland
Minneapolis
Sept-Îles
St John's
Quebec
Ottawa
Montreal
Halifax
Toronto
Milwaukee
Buffalo
Albany
Boston
Providence
Detroit
Chicago
Cleveland
Salt Lake City
UNITED
STATES
Pittsburgh
New York
Philadelphia
Denver
Indianapolis
Columbus
Cincinnati
Kansas City
St Louis
Washington
Louisville
Sacramento
San Francisco
Richmond
Norfolk
Fresno
Las Vegas
Nashville
Knoxville
Raleigh
Oklahoma City
Memphis
Charlotte
Greenville
Los Angeles
Phoenix
Birmingham
Atlanta
San Diego
Dallas
Tucson
El Paso
Austin
Houston
New Orleans
Jacksonville
San Antonio
Hermosillo
Chihuahua
Orlando
Tampa
Torreón
Monterrey
Miami
Culiacan
MÉXICO
Havana
San Luis Potosi
CUBA
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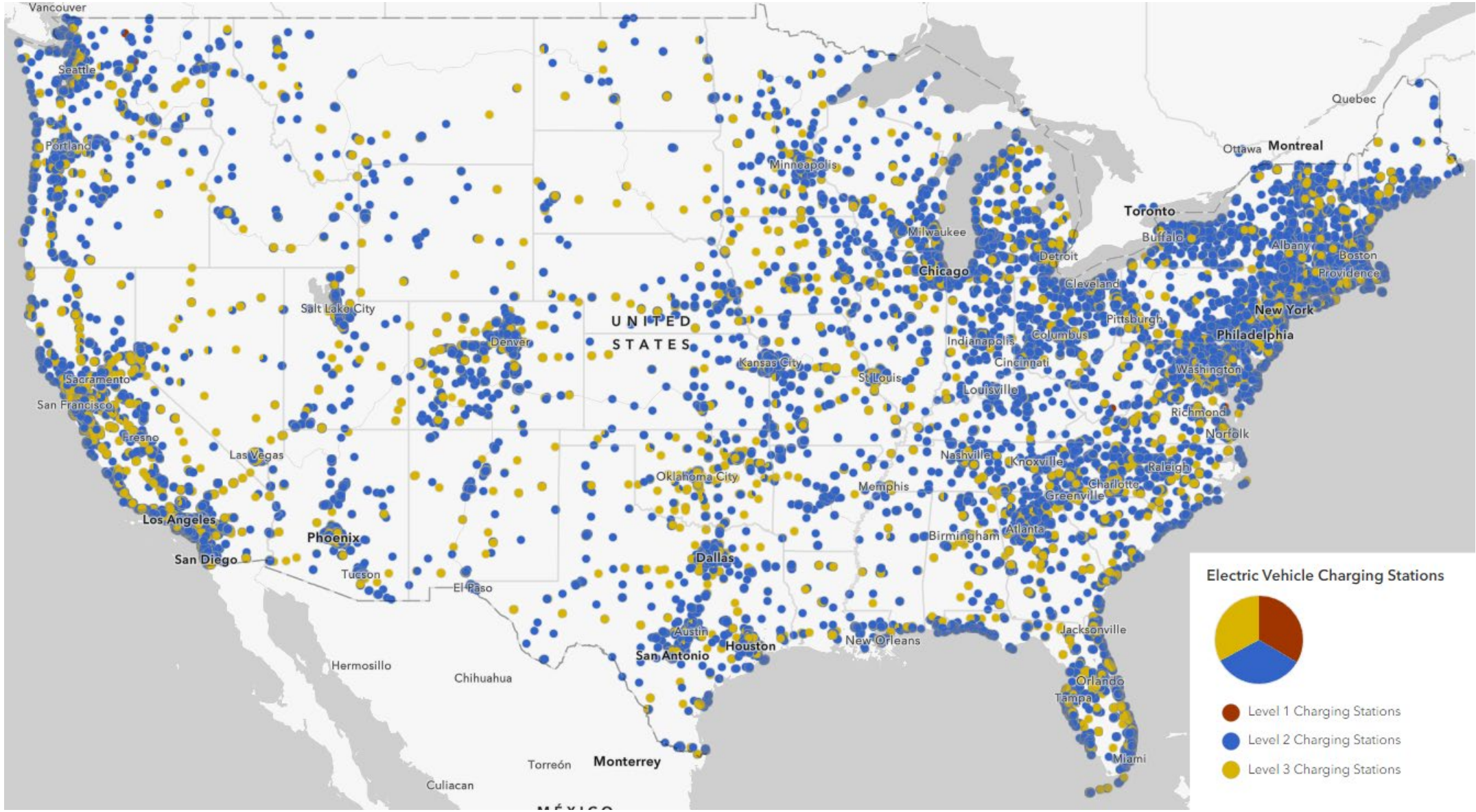
2021
2022
8/29/1995
8/29/2022
Esri, HERE, Garmin, FAO, NOAA, USGS, EPA
Powered by Esri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Hermosillo
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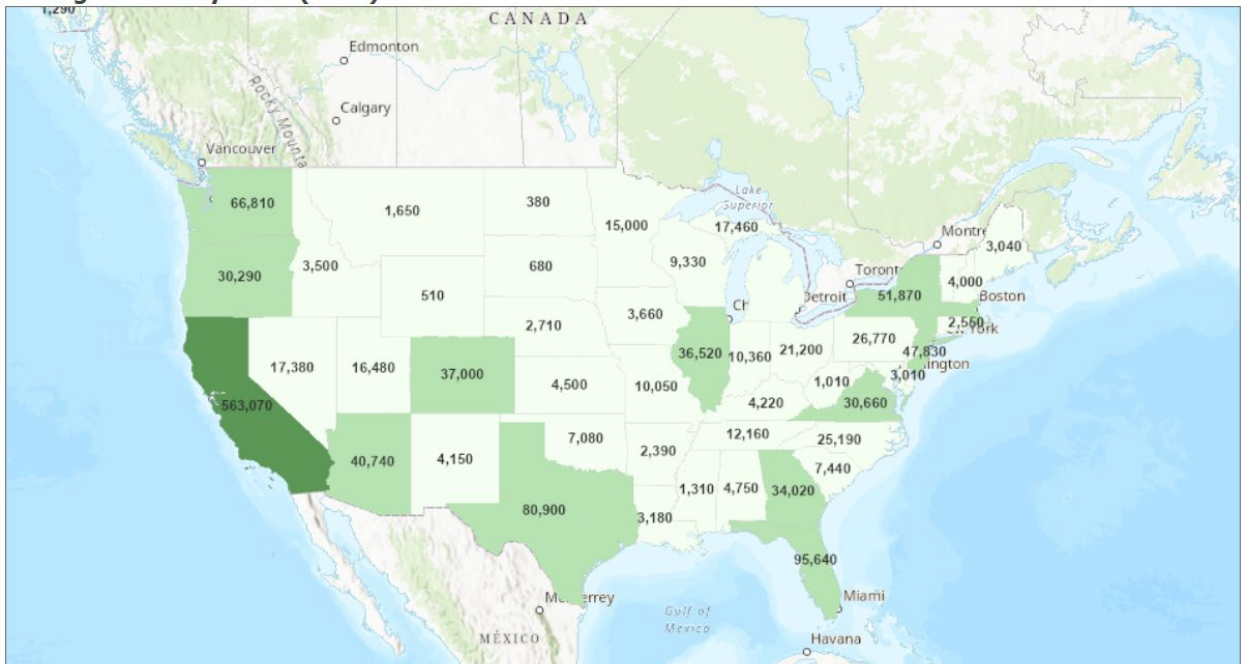
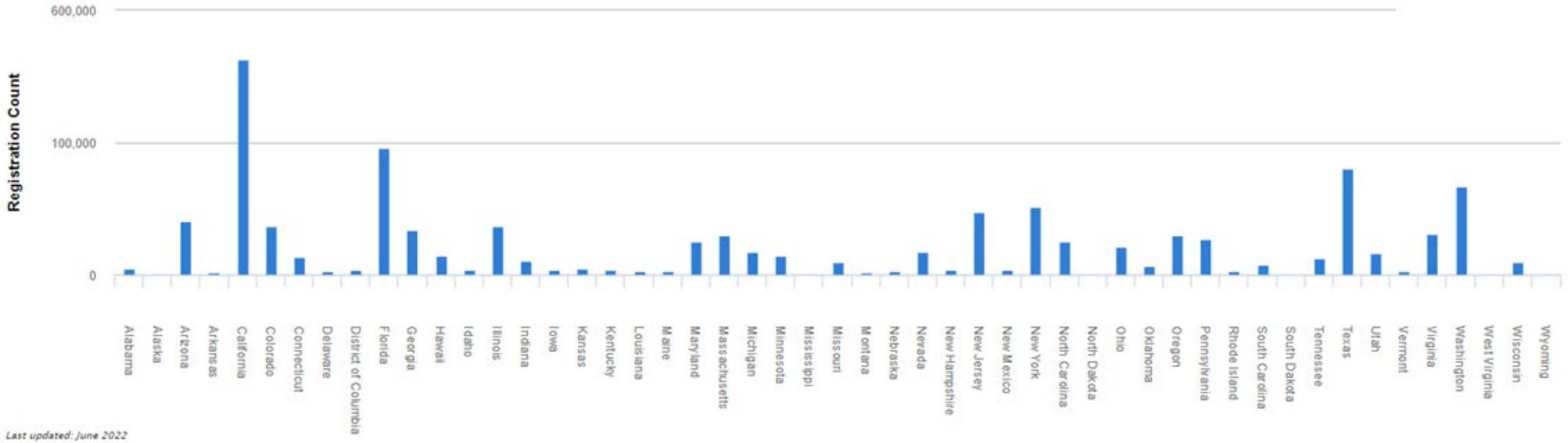
Orlando
Tampa
Torreón
Monterrey
Miami
Culiacan
Electric Vehicle Charging Stations
Level 1 Charging Stations
Level 2 Charging Stations
Level 3 Charging Stations

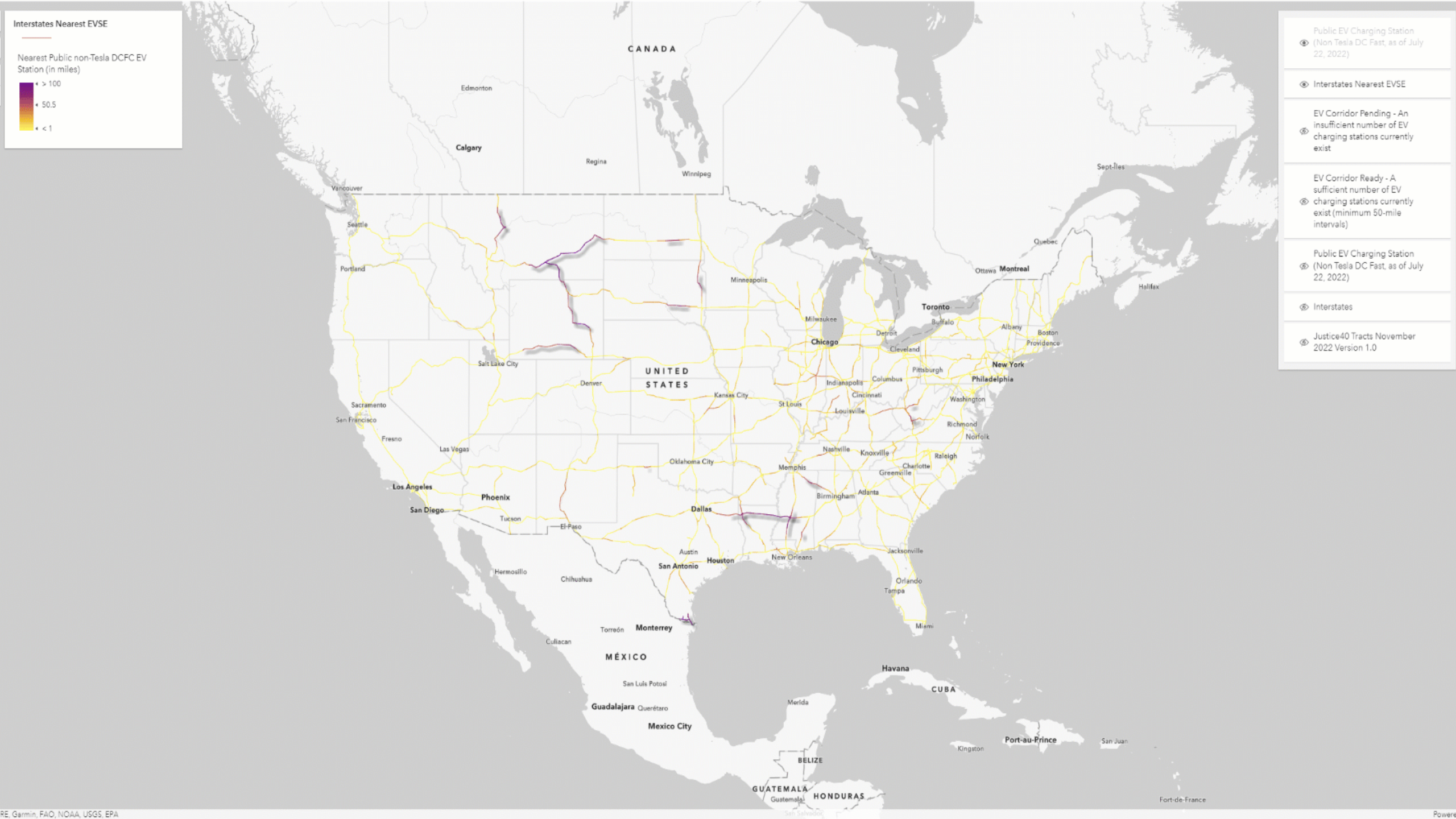
EV Registration by State (2022)



Electric Vehicle Registrations by State



Last updated: June 2022
Printed on: January 30


Interstates Nearest EVSE
Nearest Public non-Tesla DCFC EV Station (in miles)
> 100
50.5
< 1
Public EV Charging Station (Non Tesla DC Fast, as of July 22, 2022)
Interstates Nearest EVSE
EV Corridor Pending - An insufficient number of EV charging stations currently exist
EV Corridor Ready - A sufficient number of EV charging stations currently exist (minimum 50-mile intervals)
Public EV Charging Station (Non Tesla DC Fast, as of July 22, 2022)
Interstates
Justice40 Tracts November 2022 Version 1.0
CANADA
UNITED STATES
MÉXICO
CUBA
BELIZE
GUATEMALA
HONDURAS
Edmonton
Calgary
Regina
Winnipeg
Vancouver
Seattle
Portland
Minneapolis
Sept-Îles
Quebec
Ottawa
Montreal
Halifax
Toronto
Milwaukee
Buffalo
Albany
Boston
Providence
Detroit
Chicago
Cleveland
New York
Pittsburgh
Philadelphia
Columbus
Indianapolis
Cincinnati
Washington
Salt Lake City
Denver
Kansas City
St Louis
Louisville
Richmond
Norfolk
Sacramento
San Francisco
Fresno
Las Vegas
Nashville
Knoxville
Raleigh
Oklahoma City
Memphis
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Los Angeles
Phoenix
Birmingham
Atlanta
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El Paso
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Tampa
Torreón
Monterrey
Culiacan
Miami
Havana
San Luis Potosí
Merida
Guadalajara
Querétaro
Mexico City
Kingston
Port-au-Prince
San Juan
Guatemala
San Salvador
Fort-de-France
RE, Garmin, FAO, NOAA, USGS, EPA
Powere

EV Charging Station Site Selection Modeling At Scale

Data Input

Base Land Units

Parcel Data
(144 M Parcels)

Land Use Hexbins

Business Listings

Minimum Siting Criteria (NEVI)

- Existing Stations
- Interstate & State Hwy
- AFC Corridor
- Justice40

Additional Criteria

Traffic Counts
EV Adoption
Electric Grid Readiness
Charger Type AC/DC
Business POI's
Tribal Lands
State EV Charging Priority Areas
Land Use/Land Cover
Climate Risk
Demographics
Parcel Size, Ownership & Value

Scripted automation with Python

Spatial Analysis

Proximity calculations

Raster calculations

Data Enrichment

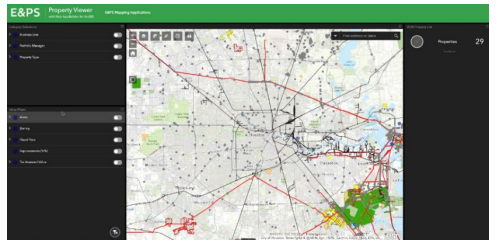
Enriched Opportunity Surface

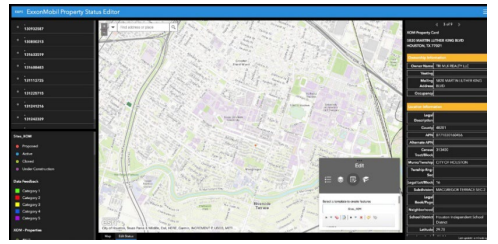
Enterprise GIS

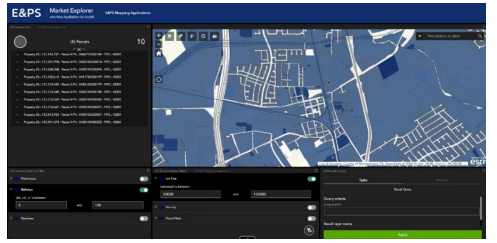
- On Premise Solutions
- Data Service(s) via API's

Information Products

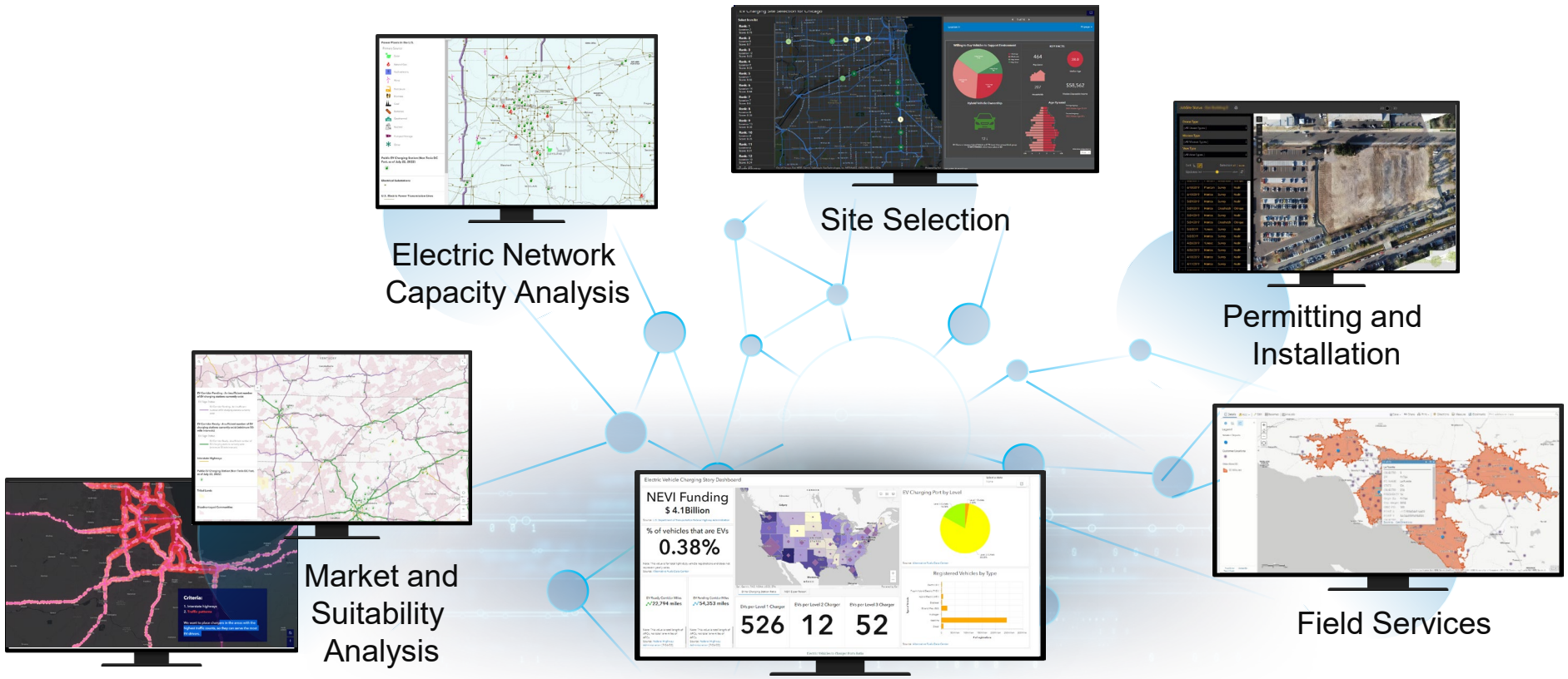
- Analyze proximity
- Find suitable land units
- Assess Electric Grid Readiness
- Proactive analysis



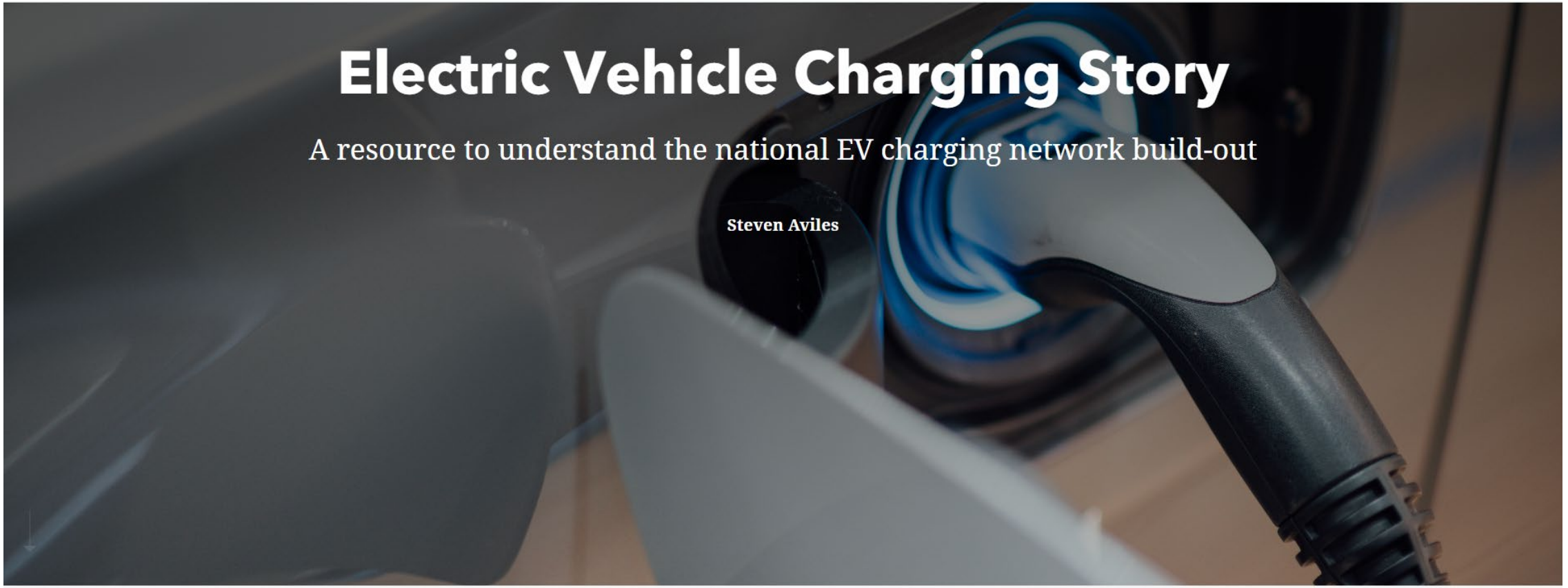




Location Intelligence for EV Charging Networks



Electrifying our Transportation Network



StoryMap Link - https://arcg.is/0K4Cbu

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