



Illinois National Electric Vehicle Infrastructure (NEVI) Program

August 10th 2022

Covered Today

1. What is NEVI and how did we get here?
2. State of Electric Vehicles (EV) and EV Infrastructure in Illinois
3. Status of the Illinois Electric Vehicle Infrastructure Plan
4. Status of the Illinois NEVI plan and next steps on stakeholder engagement and implementation





WHAT IS NEVI?

National Electric Vehicle Infrastructure Program

- On November 15, 2021, President Biden signed the \$1 trillion bipartisan infrastructure bill Infrastructure Investment and Jobs Act or IIJA.
- IIJA includes \$7.5 billion in dedicated funding to help make EV charging accessible to all Americans for local and long-distance trips.
- That \$7.5 billion is comprised of a \$5 billion formula program and a \$2.5 billion discretionary grant program



NEVI Formula Program

- Provides dedicated funding to states to strategically deploy **public EV charging infrastructure** and establishes an interconnected network to facilitate data collection, access, and reliability.
- Illinois will receive **\$148 million** from this federal program between 2022-2026.
- Initially, funding under this program is **directed to designated Alternative Fuel Corridors** for electric vehicles including **stations every 50 miles** and **no more than 1 mile off the designated corridor**.
- When the national network is fully built out, funding may be used on any public road or in other publicly accessible locations.



What do we mean by Public EV Charging?

- **Public Charging**= stations available to the public **24 hours a day, 7 days a week**
- Public charging **does not** mean free charging. Charging stations can charge a fee, which will be subject to regulations
- **Fast Charging**= at minimum, 4 combined charging system (CCS) plugs capable of each charging at 150 kilowatts per hour (kWh)
- This means, at minimum, **4 vehicles can charge at the same time**, at a charging speed that will **fully charge an average EV in under a half hour**

NEVI State EV Infrastructure Deployment Plan

- States must submit EV Infrastructure Deployment Plan to the federal government **on or before August 1, 2022**
- Outlines how a state plans to begin implementing the NEVI program
- Does not identify specific sites for charging stations, or how procurement process will work, but **sets a framework** for accomplishing those things **with additional stakeholder input**

Detailed Specifications Still Under Development by Federal Government

- On June 22, 2022, the Federal government released a Notice of Proposed Rulemaking for the NEVI program. This draft guidance is subject to public comment through mid-August and will not be final until the fall. It includes:
 - Specifications on contracting and service requirements
 - Installation, operation, and maintenance standards
 - Americans with Disability Act (ADA) requirements and other accessibility considerations
 - Justice 40 and Environmental Justice considerations
 - Stakeholder and outreach suggestions
 - Data and uptime reliability minimums



\$2.5 Billion Discretionary Grant Program

- The **Federal Highway Administration** will be running separate competitive grant programs to support EV charger deployment.
- **Corridor Charging Grant Program.** This program will strategically deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure along designated Alternative Fuel Corridors.
- **Community Charging Grant Program.** This program will strategically deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure in communities.





STATE OF ELECTRIC VEHICLES (EV) AND EV INFRASTRUCTURE IN ILLINOIS

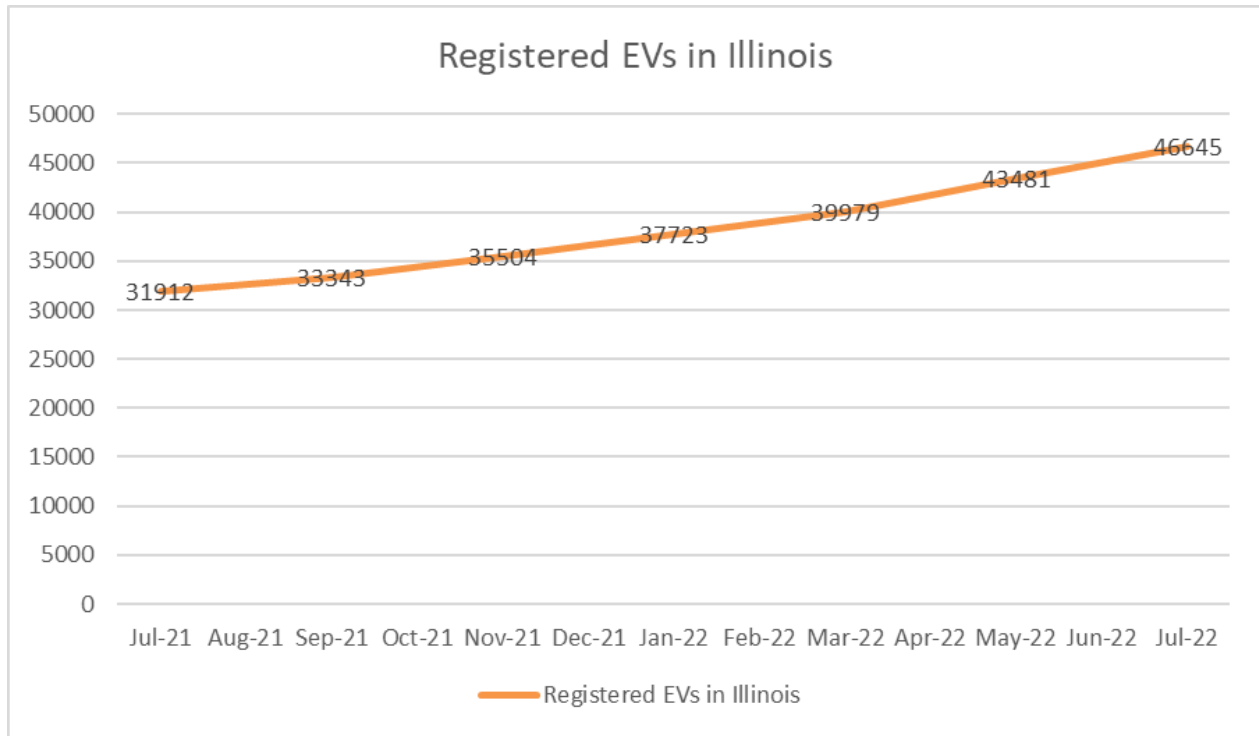
State goal: 1 million EVs by 2030

- **June 2019** - Rebuild Illinois
- **April 2021** - Ex. Order 2021-08
- **September 2021** – Climate and Equitable Jobs Act
- **November 2021** – Reimagining Electric Vehicles in Illinois Act



“Here in Illinois, we enacted a nation-leading climate action plan. That includes putting 1 million electric vehicles on the roads by 2030 & providing \$4,000 electric vehicle rebates.” -Gov. Pritzker







Number of Electric Vehicles Registered In Illinois

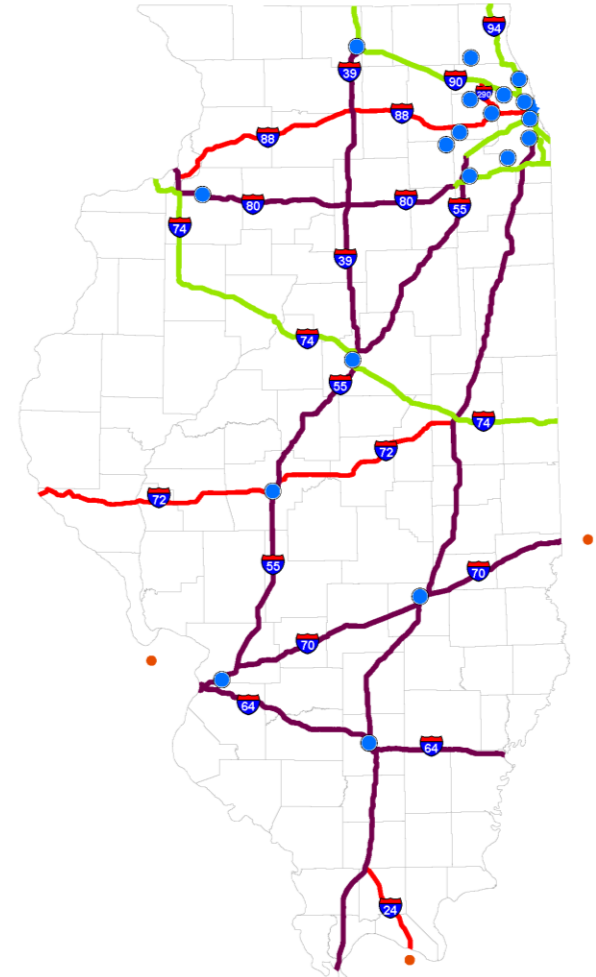


Illinois Alternative Fuel Corridors

- **Electric Vehicle Signage Ready**
 - I-39 from Rockford IL to Sun Prairie WI
 - I-55 from Chicago IL to Bolingbrook, IL
 - I-74 from IL/IA border to IL/IN border
 - I-80 from IL/IN border to Joliet IL
 - I-90 from IL/IN border to Sun Prairie WI; and, from La Crosse WI to Sparta WI
 - I-94 from Sun Prairie WI to IL/IN border
- **Electric Vehicle Signage Pending**
 - I-39 from Normal IL to Rockford IL
 - I-55 from Joliet IL to St. Louis
 - I-80 from Joliet IL to IL/IA border
 - I-70 from St. Louis to Indiana boarder
 - I-57 from Chicago to Missouri border
 - I-64 from St. Louis to Indiana boarder

Legend

-  IL NEVI Compliant Stations
-  Neighbors States NEVI Compliant Chargers
-  Alternative Fuel Ready EV Corridors
-  Alternative Fuel Pending EV Corridors
-  Undesignated Corridors
-  Illinois Counties



Current Direct Current Fast Charge Charging Network

Public Stations | Advanced Filters | Fuel Corridors

Filter by Location

Location: U.S. and Canada

Fuel: Illinois

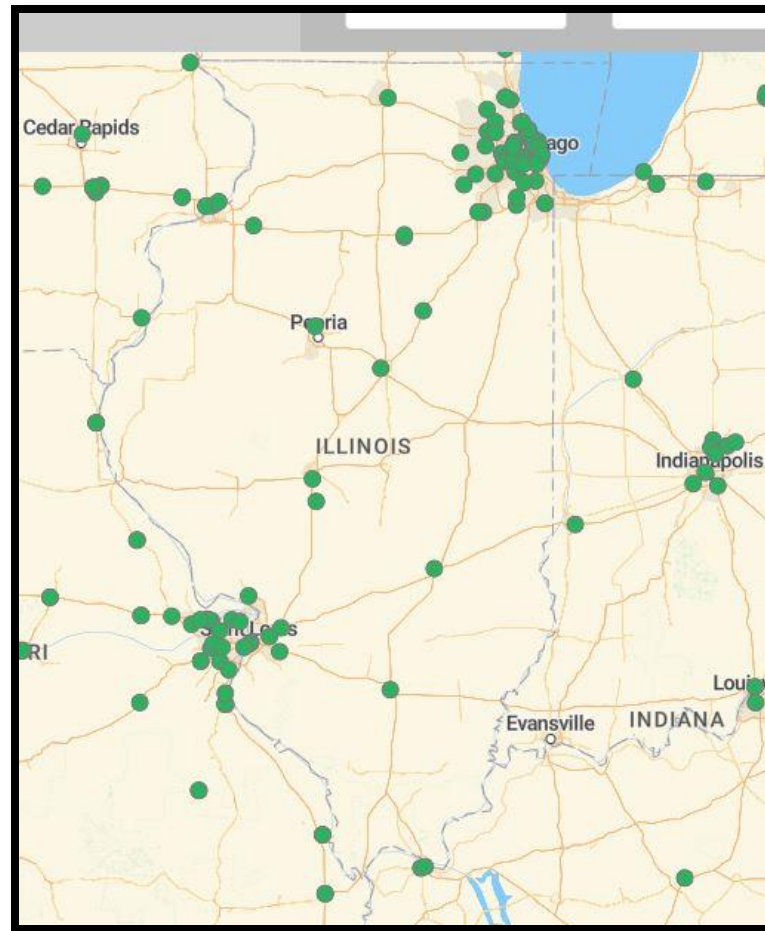
Station: clear all filters

Map Results: 71 station locations, 158 EVSE ports

Filters chosen:

- Illinois
- Electric: Types: DC Fast, Connectors: CCS
- Access: Public

Download Results



Electric Vehicle Coordination in Illinois

- In 2021 the state of Illinois formed the Interagency Working Group on Electric Vehicles. Meeting monthly these state agencies coordinate efforts to increase EV adoption and develop policies to entice EV manufacturers to the state. This group includes:
 - Illinois Department of Transportation (IDOT)
 - Illinois Commerce Commission (ICC)
 - Illinois Environmental Protection Agency (IEPA)
 - Department of Commerce and Economic Opportunity (DCEO)
 - Central Management Services (CMS)
 - Illinois Finance Authority (IFA)
 - Illinois Power Agency (IPA)
 - Illinois Department of Natural Resources (IDNR)



Starting Planning in Illinois (University of Illinois)

- In Spring of 2021 IDOT started work on an EV Deployment Plan. The plan included these goals:
 - EV adoption level projection
 - EV charging infrastructure investment allocation and placement optimization
 - Benefits/cost analysis of EV transitions
 - Statewide EV infrastructure steering committee
 - Final report preparation

Electric Vehicle Infrastructure Plan in Illinois

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STATUS OF THE ILLINOIS ELECTRIC VEHICLE INFRASTRUCTURE PLAN

Illinois NEVI Plan

The current Illinois NEVI Plan (like many other states) is a plan for a plan. It identifies:

- A vision and goals for the NEVI program
- Key risks and challenges
- Initial analysis on potential charging station locations to meet program requirements
- Important considerations around contracting, labor and workforce, equity, and support for medium/heavy duty electrification
- A plan for further stakeholder and public engagement

Next Steps in NEVI Program Implementation

- **August 1, 2022:** Deadline to submit state NEVI plans
- **August 22, 2022:** Comment period closes on Notice of Proposed Rulemaking for NEVI minimum standards and requirements
- **September 30, 2022:** Deadline for Federal Highway Administration to approve state plans or notify State DOTs that changes are needed
- **Fall 2022:** NEVI Funds available for states to begin investing in public charging

Ways you can provide input

- Suggest a charging station location

<https://idot.click/drive-electric>



Comments

Comments can be seen by the public.

1000 ↗

Ways you can provide input

- Email: DOT.DriveElectric@Illinois.gov

Draft Illinois NEVI Plan Available Online



Illinois Electric Vehicle Infrastructure Deployment Plan

Draft plan- Submitted to Joint Office of Energy and Transportation and pending review and approval from Federal Highway Administration

August 1, 2022



Ways you can provide input: attend future meetings

- Working to schedule meetings this fall on specific topics, including:
 - Justice40/equity benefits
 - Prioritization considerations for locations, providers, and site hosts
 - Program evaluation and performance indicators
- **Next meeting: September 8th 2022 6pm (online)**



Thank you for attending today's kickoff to public outreach for the Illinois NEVI Implementation Plan!

Contact info:

DOT.DriveElectric@Illinois.gov

Comment form and place a charger interactive map found at:

<https://idot.illinois.gov/home/drive-electric-illinois>

