

*We, in the public sector,
need to be ready for this
transformational
change - **and in
Wisconsin, we will be.***

*– Craig Thompson,
WisDOT Secretary*

WIEV

Wisconsin Electrification Initiative 



BIPARTISAN INFRASTRUCTURE LAW

EV FUNDING OPPORTUNITIES

\$5 billion

National Electric Vehicle Infrastructure (NEVI) Formula Program

- \$78.65 million to Wisconsin over five years
- \$11.64 million is Wisconsin's first allocation

\$2.5 billion

EV and other alternative fuel infrastructure discretionary grant funds

- **Corridor Charging Grant Program (\$1.25 billion)**
Strategically deploy publicly accessible EV charging stations and other alternative fuel infrastructure along Alternative Fuel Corridors.
- **Community Charging Grant Program (\$1.25 billion)**
Priority given to projects that expand access to alternative fueling infrastructure within rural areas, low- and moderate-income neighborhoods, and communities with a low ratio of private parking spaces.



NEVI PROGRAM CRITERIA



- Charging stations installed **every 50 miles along** the State's Alternative Fuel Corridors (AFC) within **1 travel mile of a highway intersection or exit.**
- EV charging station locations have a minimum of **four ports** that can charge a minimum of **150kW** simultaneously.
- Need to build out **AFCs** before Wisconsin can allocate NEVI funding elsewhere.

PLAN OBJECTIVES

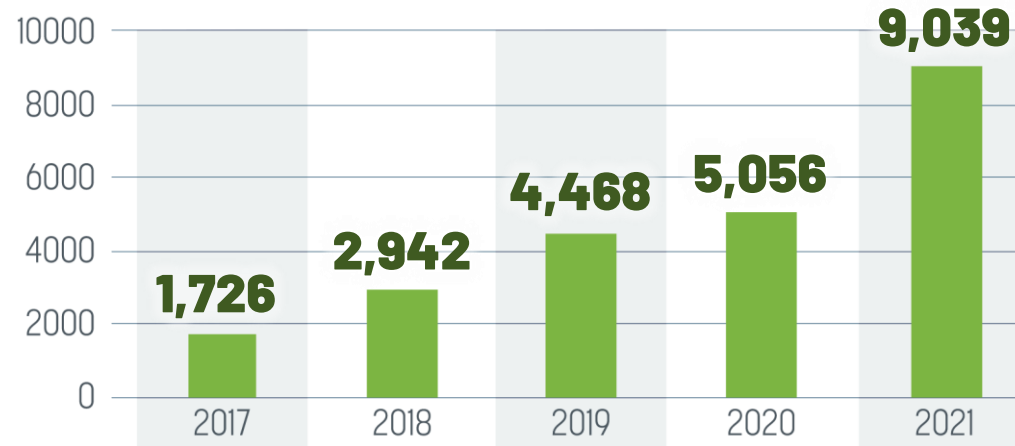
The WEVI Plan as approved on 9/14/2022

- Provides for the use of NEVI funds to incentivize private investment in Electric Vehicle Charging Infrastructure.
- Determines potential preferred locations to support charging infrastructure on Wisconsin's Alternative Fuel Corridor system.
- Details our stakeholder outreach that provided critical input in plan development.
- Outlines program structure including a process for competitive grants and contract development to ensure ongoing maintenance and operation of charging stations funded by the program.



ELECTRIC VEHICLES

EVs registered in Wisconsin



Source: <https://wisconsindot.gov/Pages/about-wisdot/newsroom/statistics/veh-info.aspx>

150+ new EV models are anticipated to hit the market from 2023 to 2028.

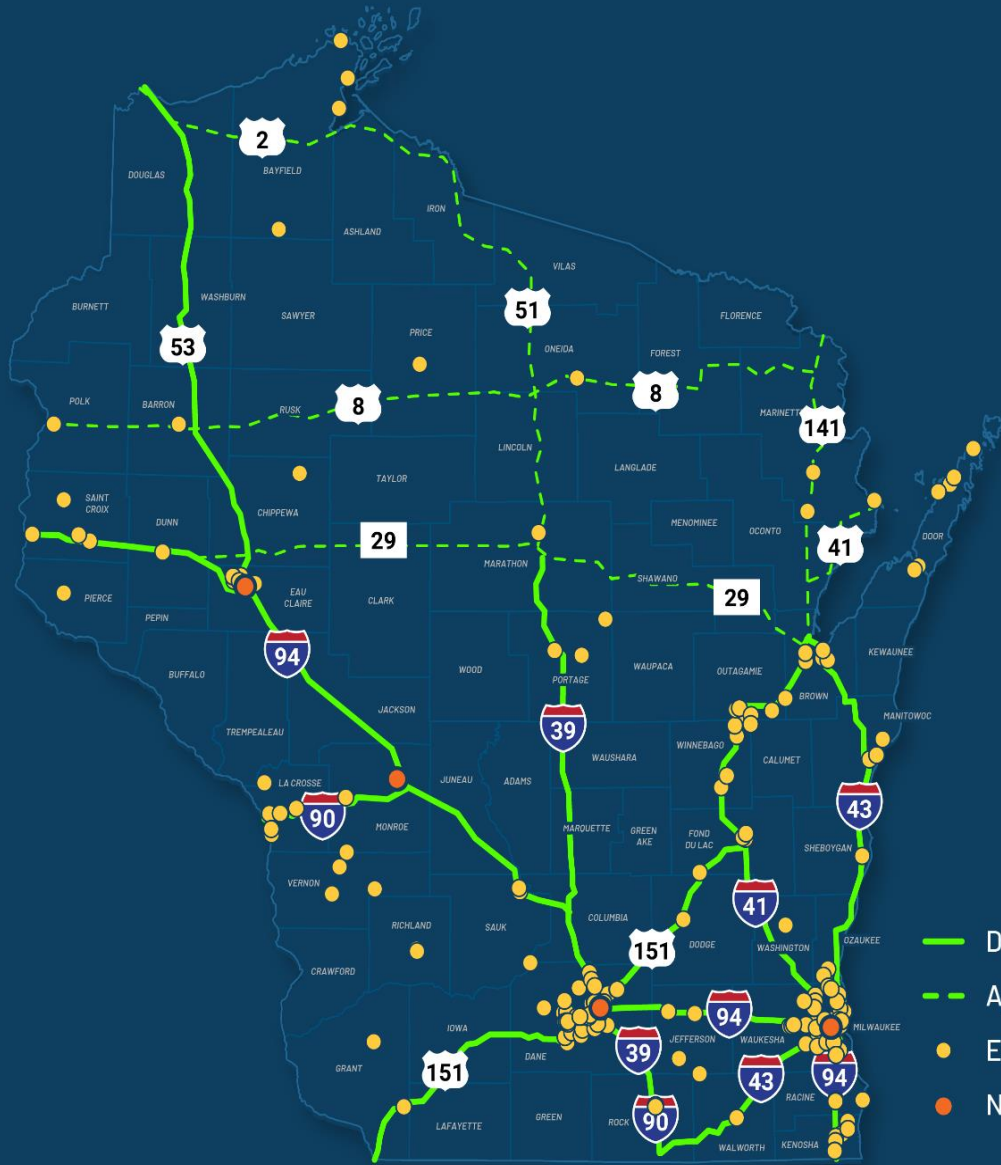
Source: www.renewwisconsin.org/wp-content/uploads/2021/04/EV-Market-Outlook-4.2021.pdf

Source: University of Michigan's Transportation Research Institute. <https://climatechange.wi.gov/>



1,186
MILES OF
EXISTING AFCs

781
MILES OF
APPROVED 2022
AFCs



- Designated Alternative Fuel Corridors (AFC)
- - - Approved 2022 Alternative Fuel Corridors
- EV Charging Station Locations
- NEVI-Compliant Charging Station Locations

WISCONSIN'S EXISTING EV INFRASTRUCTURE

306 Total publicly available
charging station locations

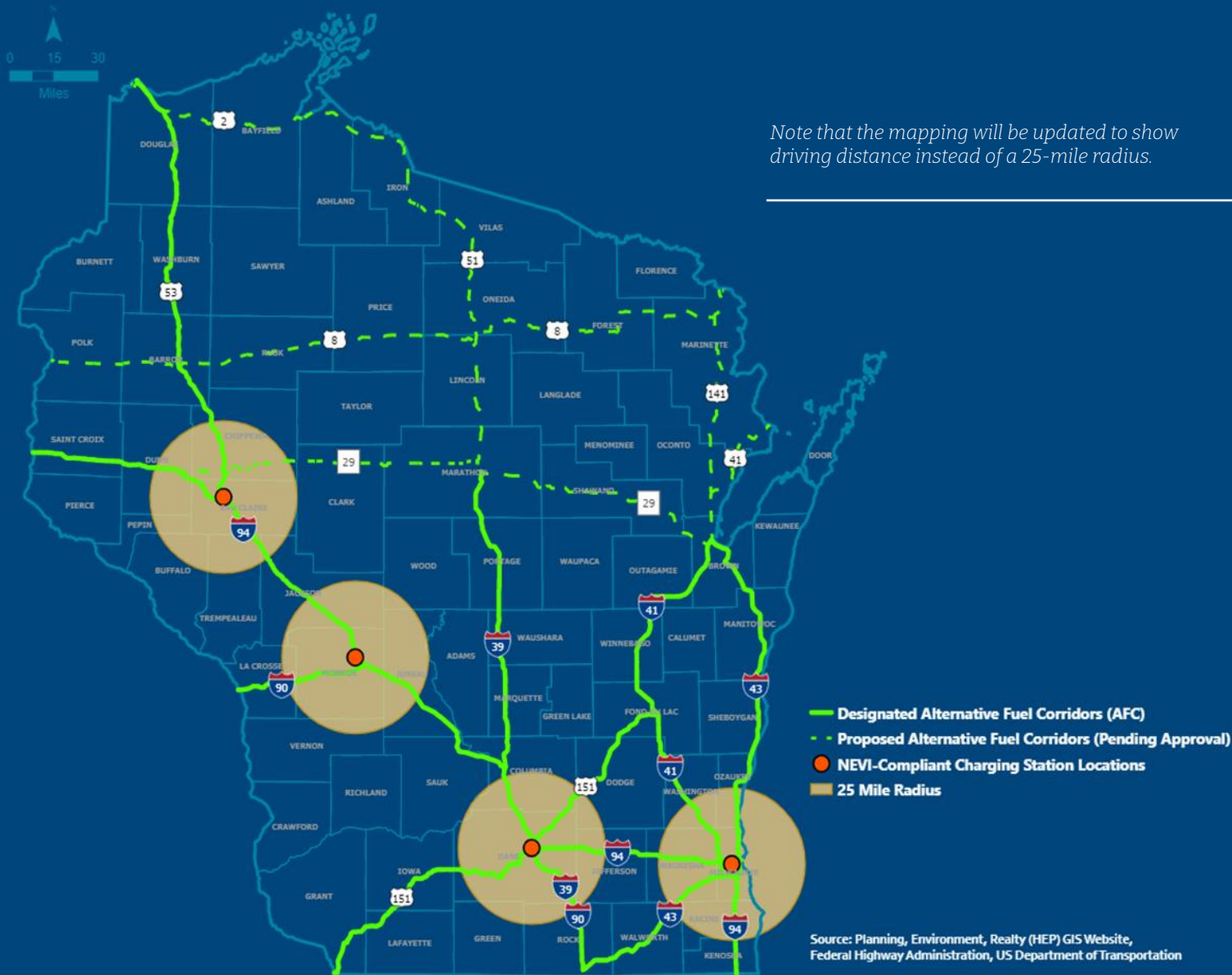
164
Charging station
locations within
one mile of AFC
exit or intersection

4
NEVI-compliant
charging station
locations

79 Tesla-only charging station locations
(not mapped)

Source: <https://afdc.energy.gov/stations/states>. Accessed on April 21, 2022



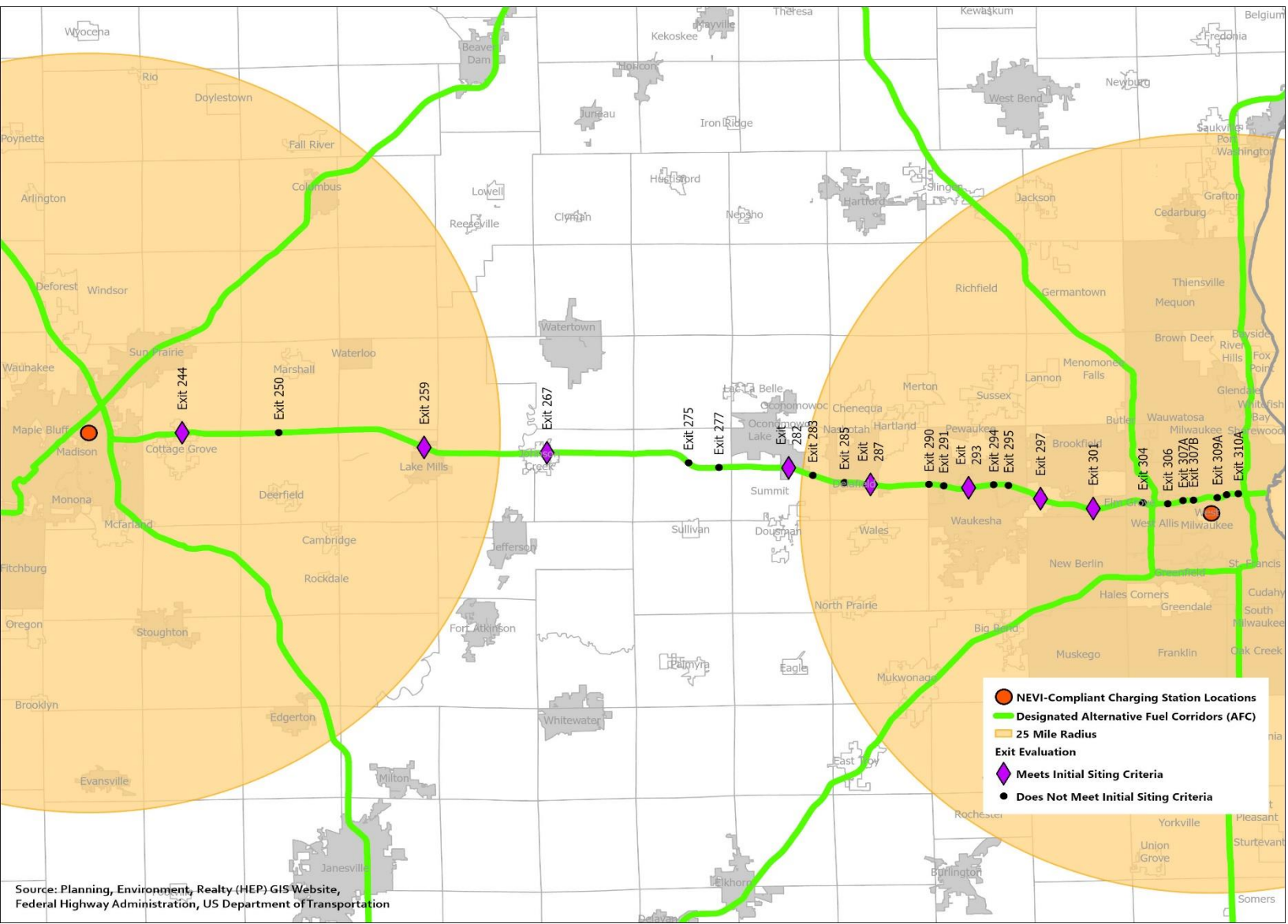


Identify NEVI-compliant EVSE on Interstates and AFCs

1 Identify existing NEVI-compliant charging sites.

- Ensures WisDOT can use funding to maximize coverage of Wisconsin.
- Minimizes risk of causing lower utilization at existing compliant stations in near-term.

2 Create a 25-mile driving distance buffer around NEVI-compliant sites.



Identify gaps and exits eligible to fill gaps

3 Identify gaps in charging coverage areas.

- Wherever there is a gap between two 25-mile buffers, there will need to be a NEVI compliant charging station.

4 Identify all exits within the gaps.

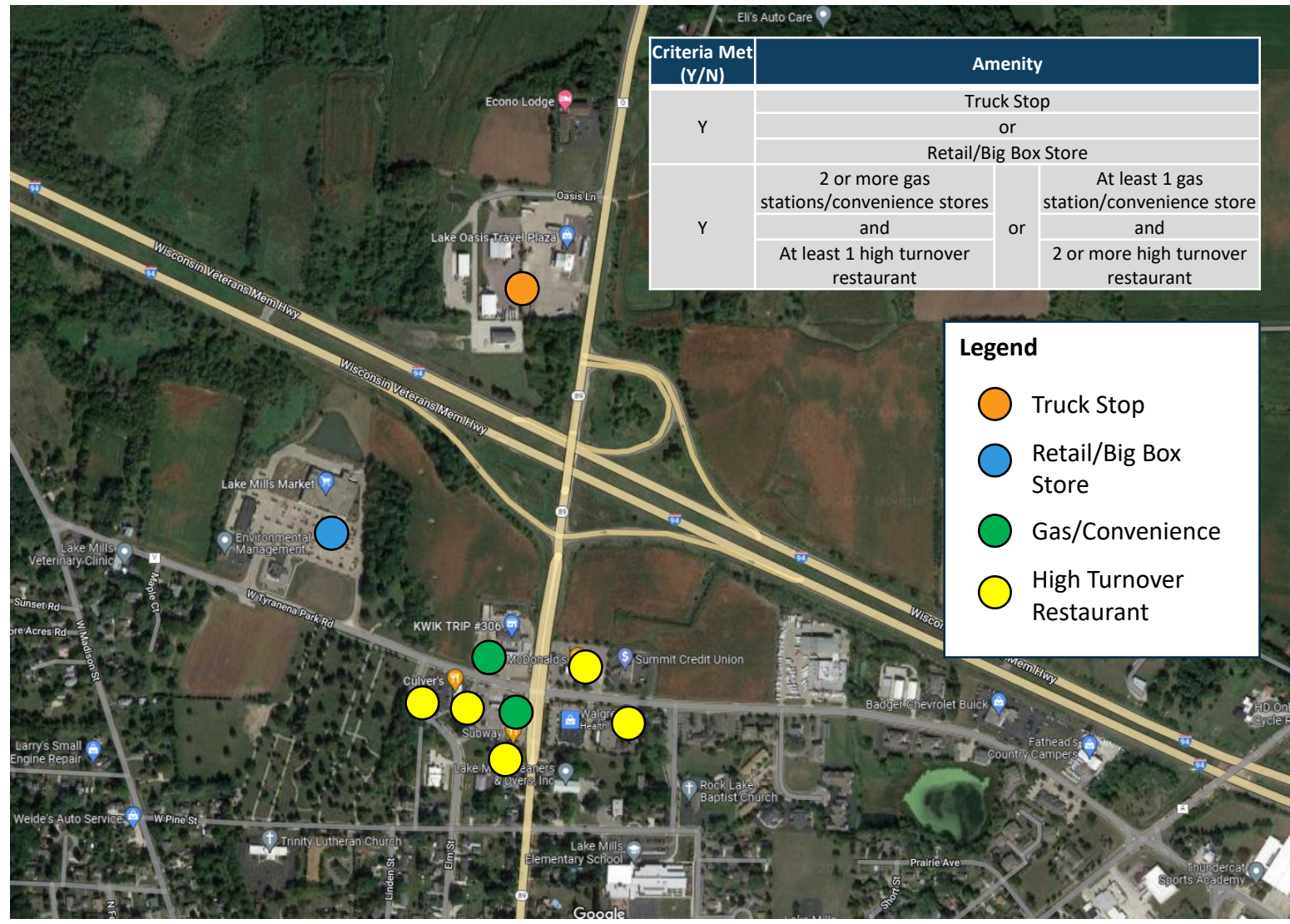
- In most cases, each gap will have multiple eligible exits.
- Because of this, WisDOT will need to develop objective prioritization criteria for grant program scoring.



Higher priority exit example

WisDOT's plan and future grant program will seek to prioritize locations with:

- Multiple prospective site hosts
- Multiple destination amenities
 - » Gas Stations
 - » Truck Stops
 - » Restaurants
 - » Retail
- Available Utility Power Capacity
- Site Readiness
- Accessibility
- Etc.



Low priority exit example

WisDOT will not eliminate or define lower-prioritized exits as ineligible for NEVI Funds.

Priority/scoring will come into play in cases where both low and high priority exits apply for NEVI funded projects.

In these cases, WisDOT will have objective scoring criteria to award sites based on the level of amenities and readiness.



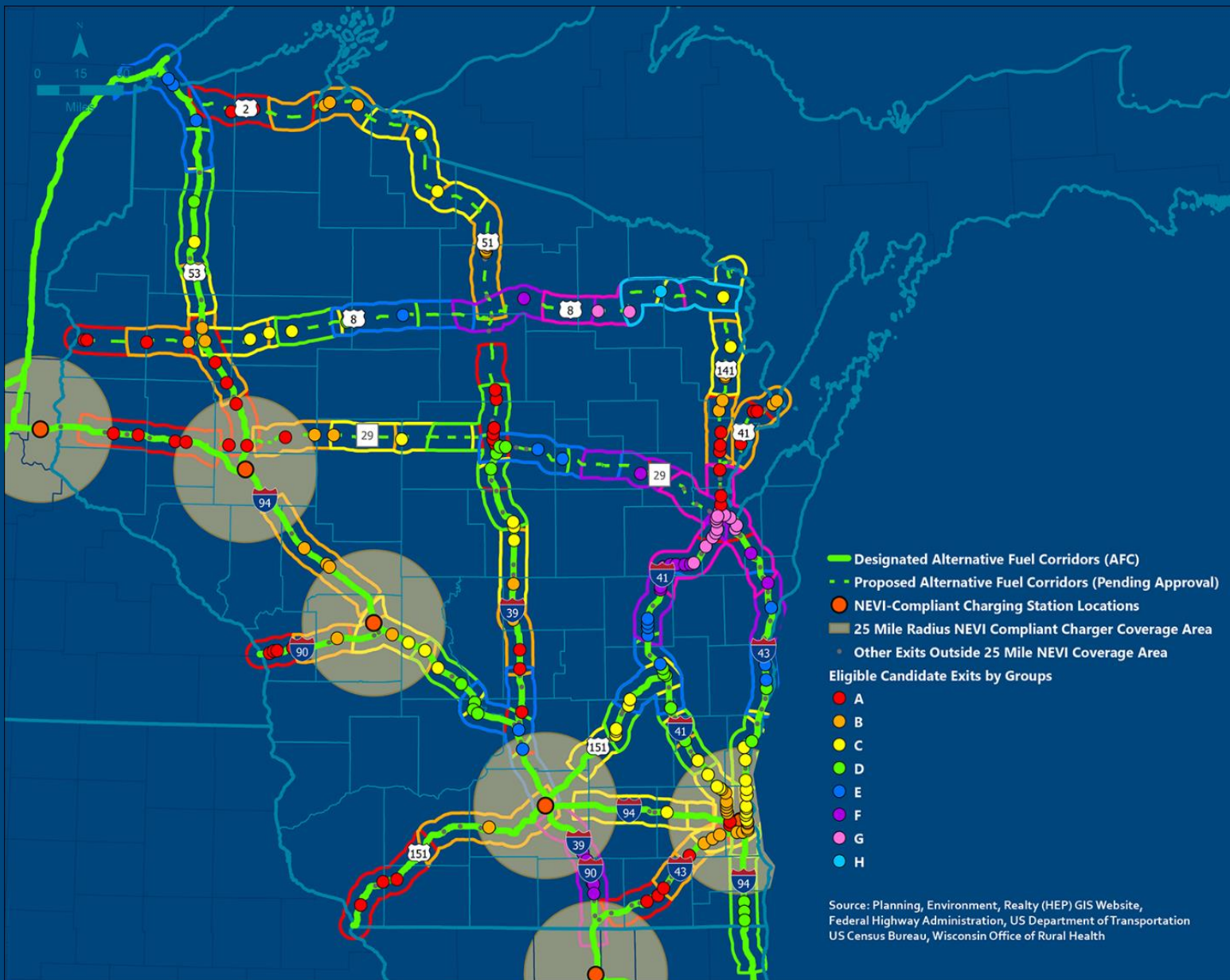
Identify “Approximate Locations” of NEVI-compliant EVSE on Interstates and AFCs

5 200 viable exits identified as potential charging sites

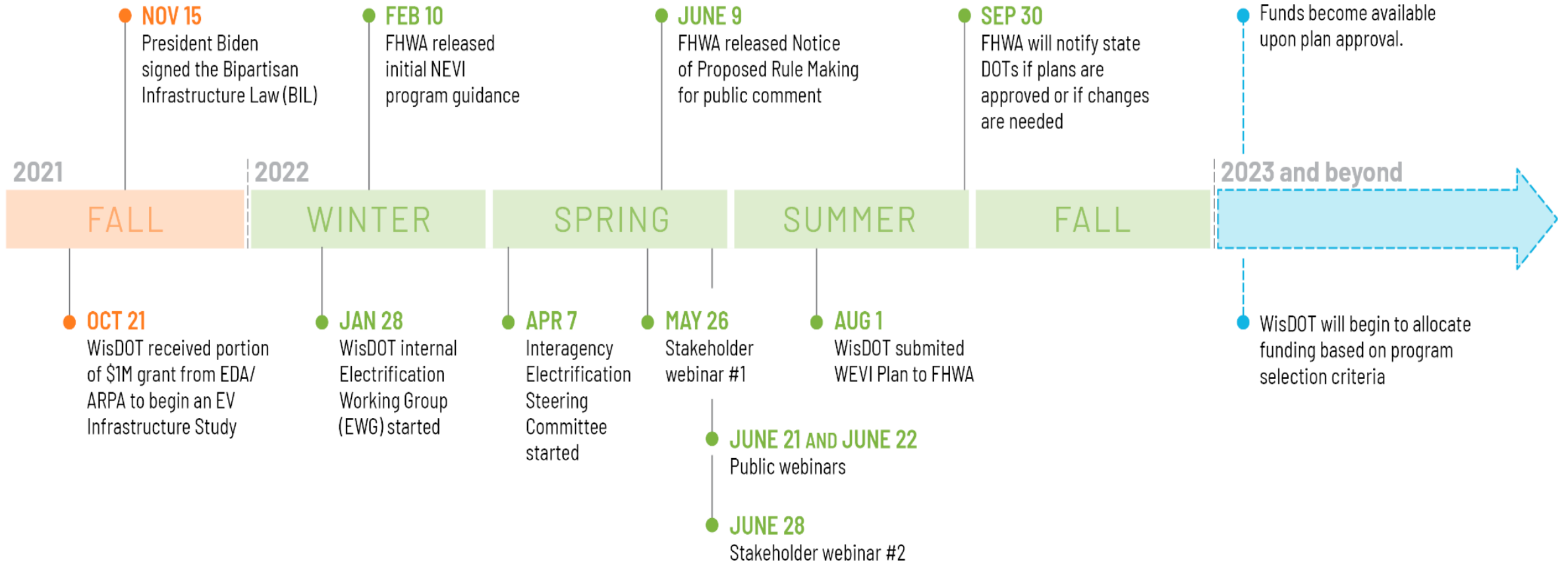
- Based on available amenities AND
- Likelihood of 3-Phase commercial utility power based on types and numbers of commercial businesses.
- *Wisconsin is continuing utility coordination on power availability.*

There are 61 groups of exits.

- ## 6
- This ensures that regardless of which exit in a group is chosen, a NEVI-compliant EV charging station will provide for the 50-mile gap coverage.
 - *Explained in detail in Ch. 4 Deployment, WEVI Plan*



Planning Process



KEY ROLES and RESPONSIBILITIES

Federal



- **FHWA:** Determine NEVI policy and state guidance, approve NEVI plans, disseminate funding to states.
- **Joint Office of Energy & Transportation (JOET)**
Provides expertise to deploy a network of electric vehicle chargers and zero-emission fueling infrastructure.

State Agencies



- Develop the Wisconsin Electric Vehicle Infrastructure Plan.
- Determine policies, technical specifications, contracting processes, and grant regulations.
- Review private sector site applications and allocate funding.

Private Sector



- Includes:
Charging station suppliers, owners, operators, and operations & maintenance companies
- Apply for grants to build and maintain Wisconsin's charging station network

Local, Tribal & Regional Govts



- Coordinate electric vehicle infrastructure activities to develop a robust and equitable charging station network in Wisconsin.

Utilities



- Supply electric power
- Work with sites to design and build connections
- Potential EV charging station and infrastructure owners/operators