



Wisconsin Counties Association
ANNUAL CONFERENCE
& Exhibit Hall **2023**

8:00 – 9:00 AM

Wisconsin's Transition to Electric Vehicles and What It Means for Drivers

Speaker: Debby Jackson, Executive Director, Transportation Development Association

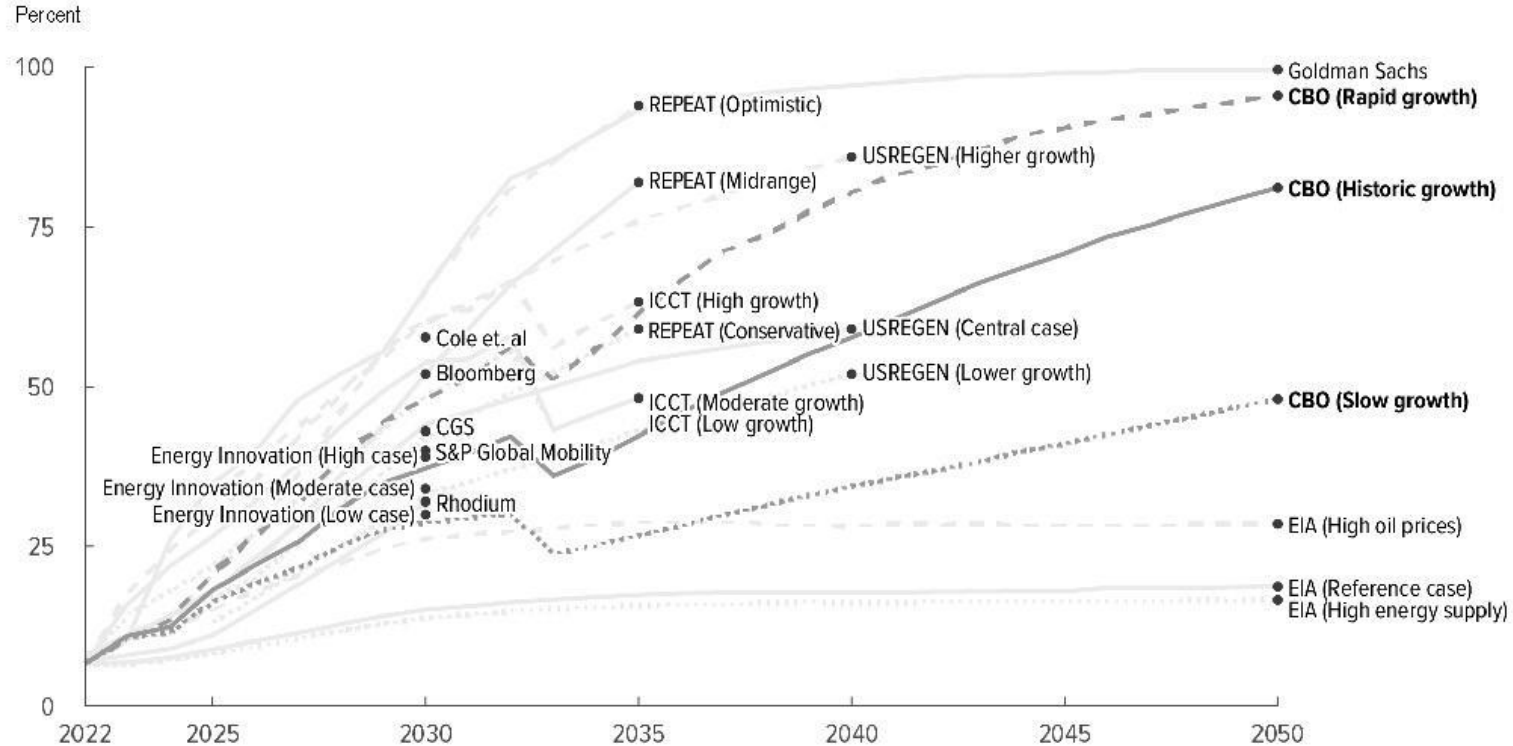
Moderator: Monica Kruse, County Board Chair, La Crosse County



Wisconsin's Transition to Electric Vehicles and What it Means to Drivers

WCA Annual Conference
September 19, 2023

U.S. Market Share of EVs



Source: Congressional Budget Office

What's Driving EV Adoption

1. Increasing concerns about climate change, severe weather
2. Federal policies, infrastructure investment
3. Auto industry commitments to EVs, technology
4. State zero-emission policies, bans of ICE vehicles sales after 2035

What Could Slow Transition

- Consumer interest in EVs
 - Vehicle cost, gas prices
 - Range anxiety, charging speed
- Charging infrastructure rollout, supply chain issues
- Lithium-ion battery mineral availability
- Electric grid capacity

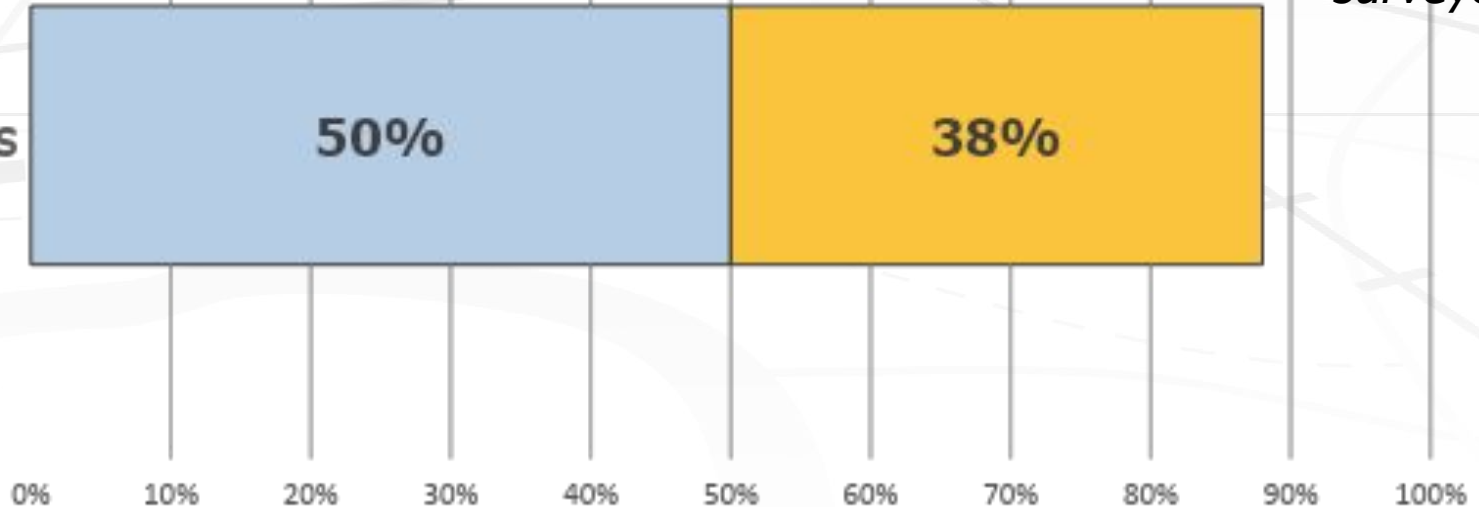
Charging into the Future



Openness to EV Ownership

*Pew Research Center:
May-June 2023, 10k+
surveyed*

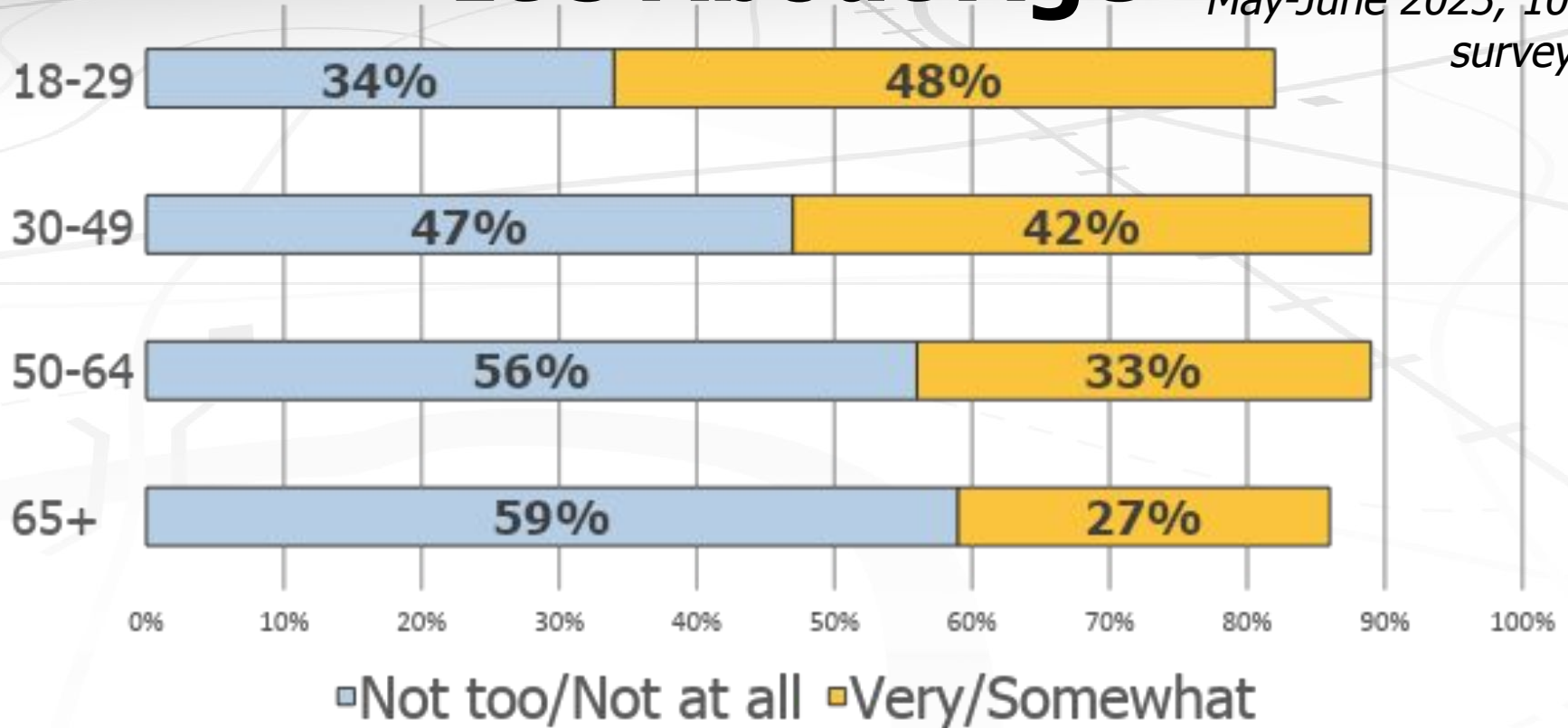
U.S. Adults



■ Not too/Not at all ■ Very/Somewhat

It's About Age

*Pew Research Center:
May-June 2023, 10k+
surveyed*



And Location

*Pew Research Center:
May-June 2023, 10k+
surveyed*

Urban

36%

48%

Suburban

48%

40%

Rural

65%

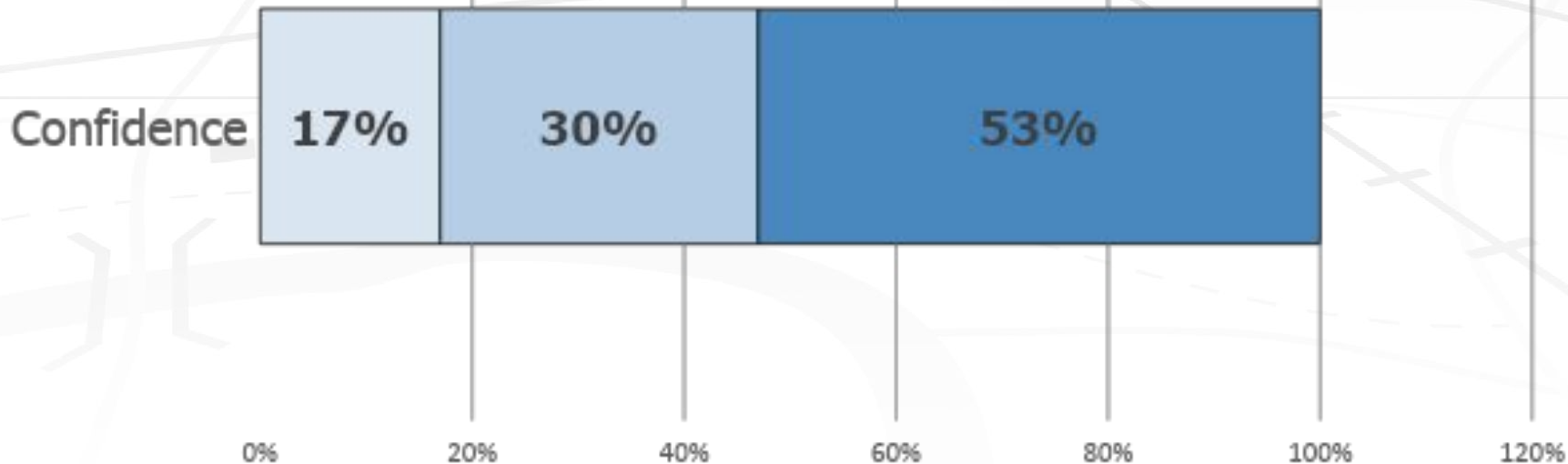
24%

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100%

■ Not too/Not at all ■ Very/Somewhat

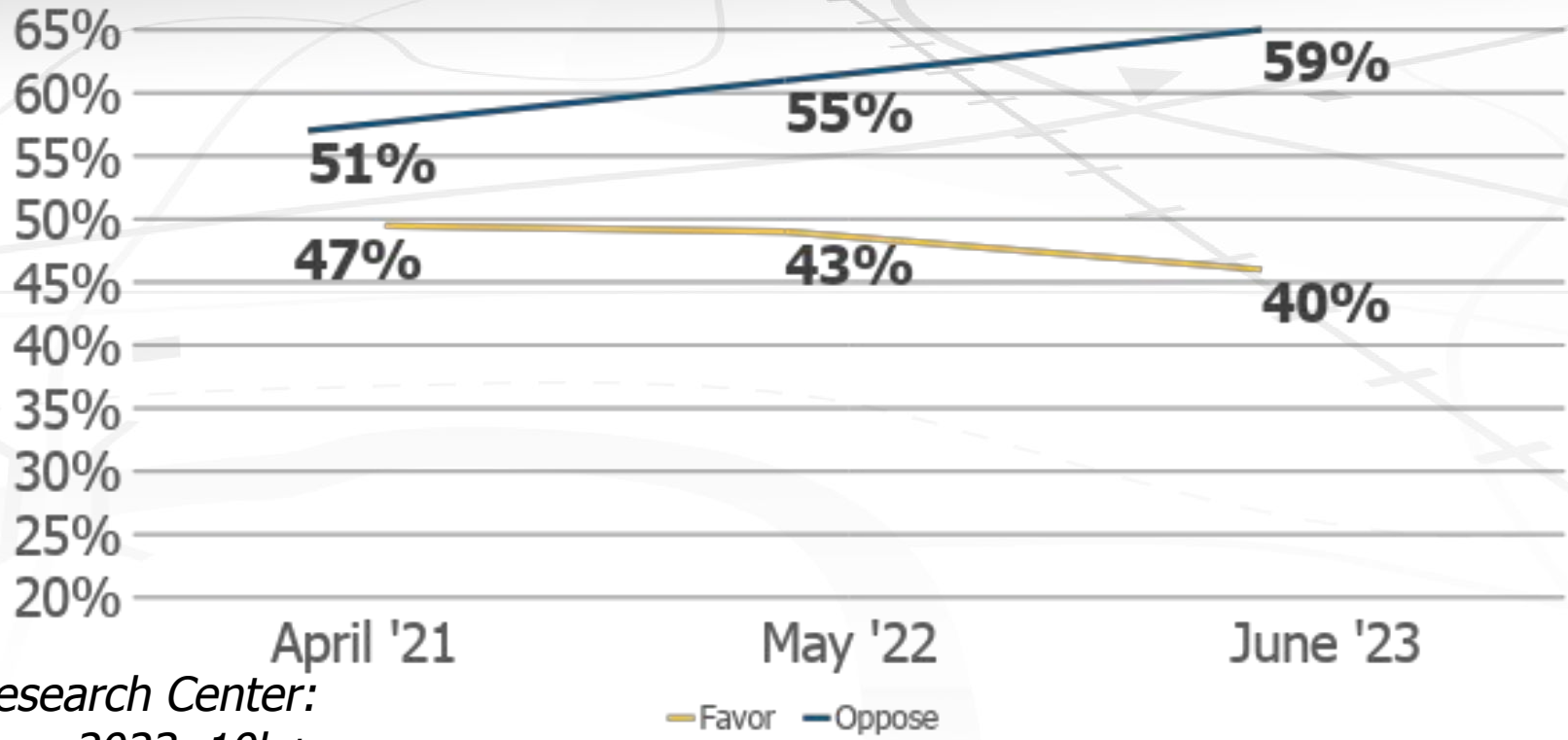
EV Charging Buildout

*Pew Research Center:
May-June 2023, 10k+
surveyed*



□Extremely/Very □Somewhat ■Not too/Not at all

Comfort with ICE Phase Out



Pew Research Center:
May-June 2023, 10k+
surveyed

Federal Investment

- Infrastructure Investment and Jobs Act (IIJA):
\$7.5 billion for new EV charging stations
 - \$5 billion National Electric Vehicle Infrastructure (NEVI) Formula Program
 - \$2.5 billion Charging and Fueling Infrastructure Grant Program
- Inflation Reduction Act: up to \$7,500 per vehicle EV tax credit

Private Investment

BUSINESS

New electric vehicle charging network being built by major automakers could lure more buyers to EVs



BY TOM KRISHER

Updated 3:51 PM CDT, July 26, 2023

DETROIT (AP) — The announcement Wednesday that seven major automakers are joining to build a large North American electric vehicle charging network should pull people off the sidelines to at least consider shifting away from gas-powered vehicles.

Leading the Charge: Walmart Announces Plan To Expand Electric Vehicle Charging Network

Walmart plans to install new electric vehicle (EV) fast-charging stations at thousands of Walmart and Sam's Club locations across the country

By Vishal Kapadia, Senior Vice President, Energy Transformation

April 06, 2023 | 2 Min. Read | [Business](#) | [f](#) [t](#) [in](#) [p](#) [e](#) [l](#)



**BATTERY
DISCONNECT**

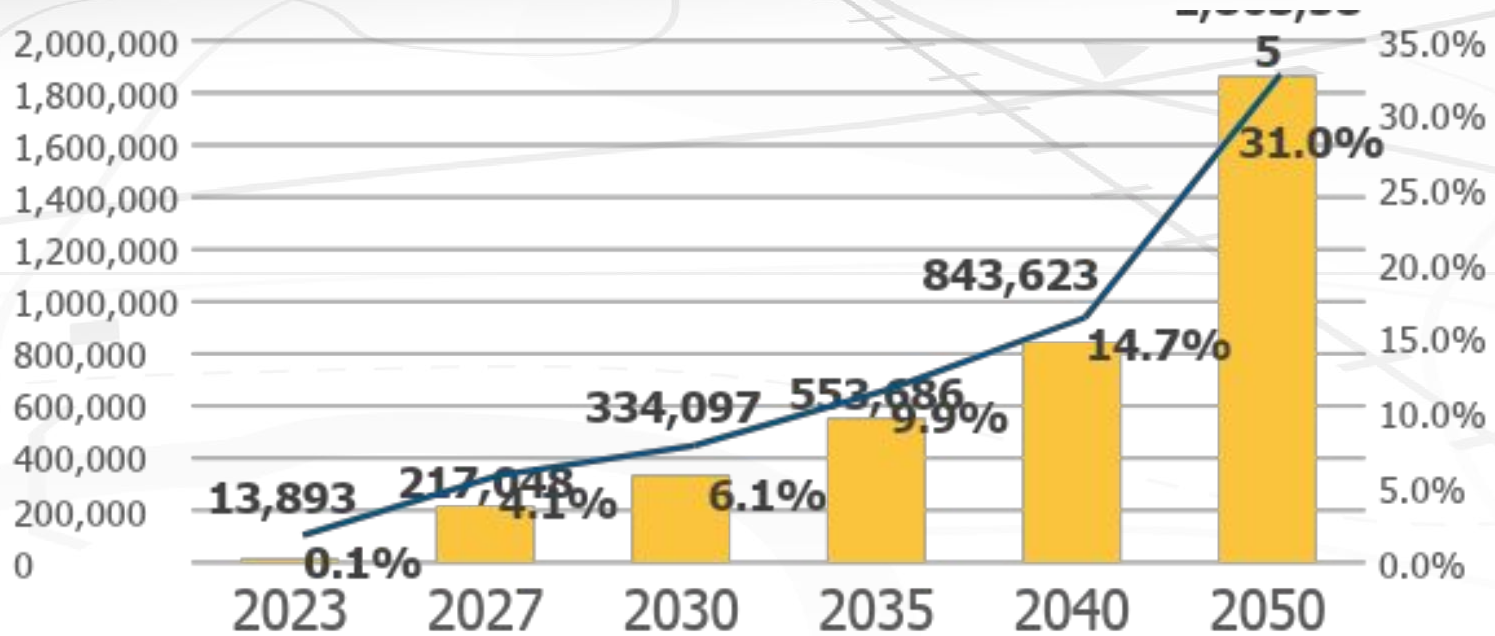
**CHARGING
PORT**

Beyond Personal Vehicles

Wisconsin EV Facts

- 13,893 EVs registered in 2022, an increase of 54% over 2021
- Almost 60% of all EVs are registered in Dane Milwaukee, Waukesha, Brown and Ozaukee counties
- Over 5,500 of the EVs are trucks

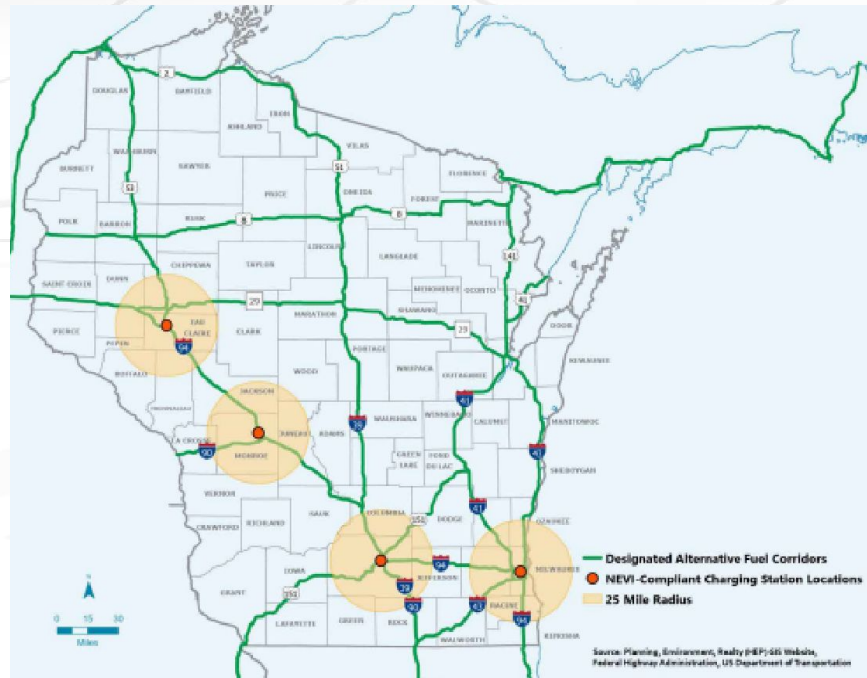
Wisconsin EV Registrations



■ EV Registrations — % of WI Fleet

WisDOT: Draft 2023
Wisconsin Electric Vehicle
Charging Infrastructure Plan

Wisconsin Charging



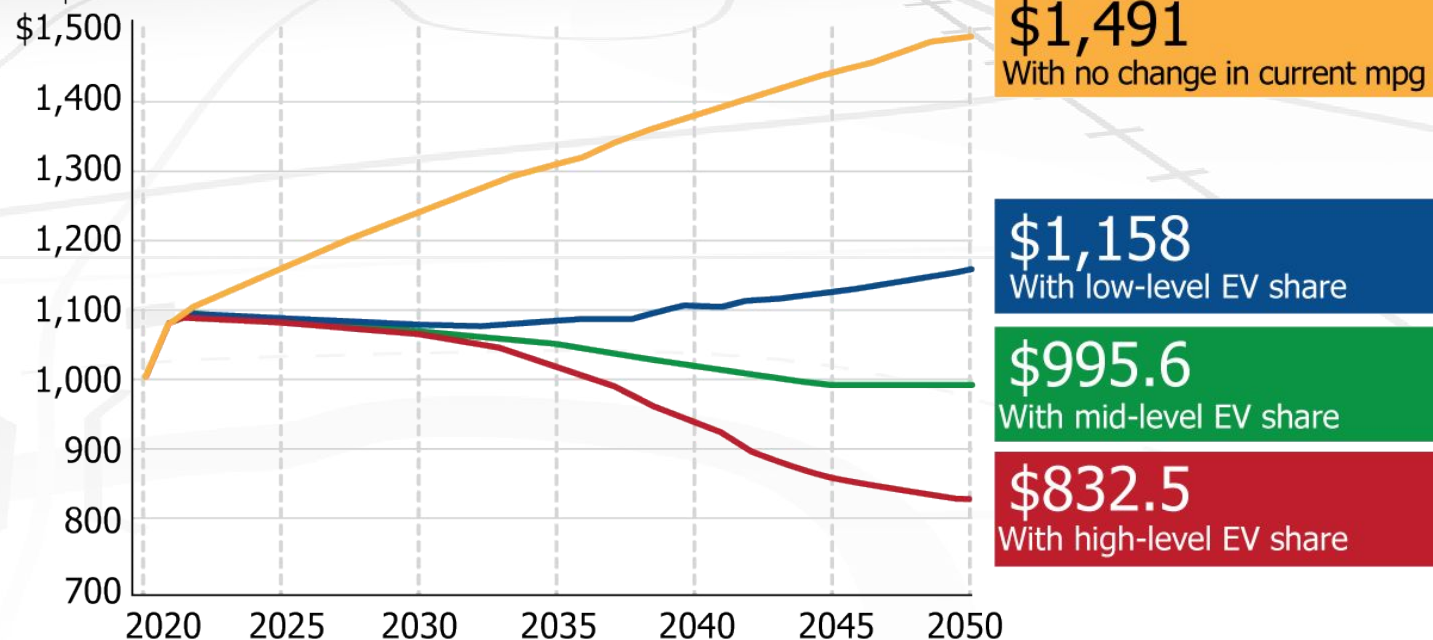
- 1,967 miles of Alternative Fuel Corridors (AFC)
- 393 public charging station locations
 - 210 w/in 1 mile of an AFC exit
 - 4 NEVI compliant

The Benefits of EVs

1. Reduced carbon emissions, improved air quality
2. Lower vehicle operating costs
3. Increased energy security
4. Jobs
5. Remaining competitive with our neighbors, the world

WI Transportation Funding

IN \$ MILLIONS



Badger Institute: Future-Proofing Wisconsin's Highway Funding System

Conclusion

“Electrification is coming. It’s imperative as a state that we get ready for that.”

WisDOT Secretary Craig Thompson



TDAWisconsin.org

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