



# Alternative Fuels, Vehicles & Sustainable Technology Programs

September 20, 2022

Electric Vehicles  
and the  
Role of Local Government



# Agenda

- Wisconsin Clean Cities Overview
- NEVI In Wisconsin
- Wisconsin Clean Cities Programs & Services
  - Helping to prepare for vehicle and infrastructure deployment
- Discussion & Questions



# About Wisconsin Clean Cities

- One of the U.S. Department of Energy's more than 75 Clean Cities Coalitions.
- Clean Cities Coalitions support the nation's energy and economic security by building partnerships to advance affordable domestic transportation fuels, energy efficient mobility systems, and other fuel saving technologies and practices.



# About Wisconsin Clean Cities

- Wisconsin Clean Cities is a member-based, statewide nonprofit organization.
- Coalition Activities:
  - **Evaluate transportation needs and energy choices** to determine the most impactful and cost-effective vehicle options, fuels, technologies, and best practices that make sense for specific stakeholder applications.
  - **Shift to domestic energy sources** through the use of alternative and renewable fuels such as natural gas, propane, hydrogen, electricity, ethanol, and biodiesel.
  - **Improve fuel efficiency** through state of-the-art technologies and strategies.
  - **Reduce harmful emissions** through idle reduction and other fuel-saving technologies and practices
- Outcomes:
  - Reduced dependence on imported oil, improved air quality, support of local jobs, economic development, and improved quality of life.



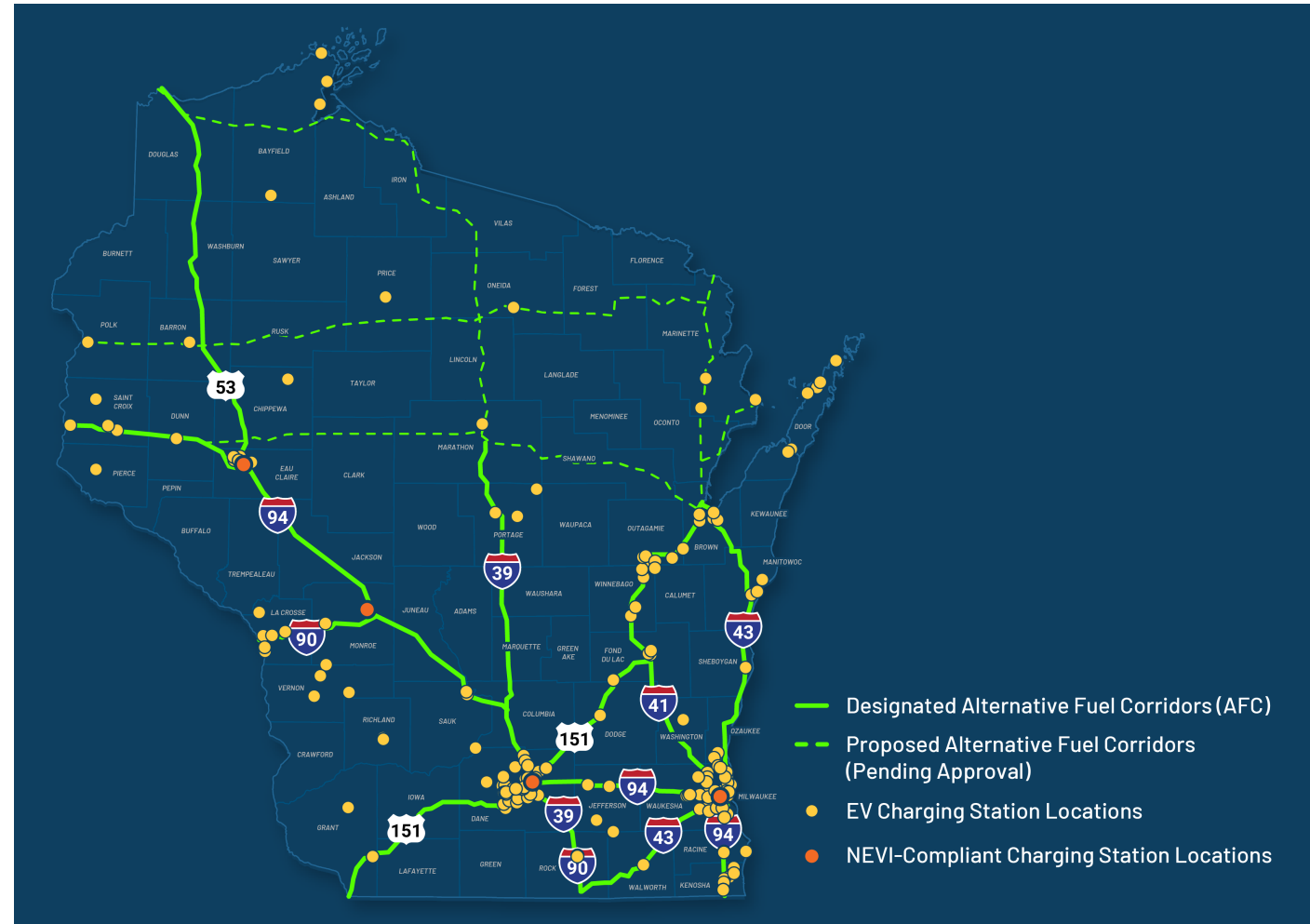
# Wisconsin Electric Vehicle Infrastructure & Development

- Available Funding:
  - \$5B National Electric Vehicle Infrastructure Formula Program
    - \$78.65M to Wisconsin over 5 years
    - \$11.64M in year 1
  - \$2.5B EV and other alternative fuel infrastructure discretionary grant funds
    - \$1.25B Corridor Charging Grant Program  
EV and other alternative fuels on corridors
    - \$1.25B Community Charging Grant Program  
Alternative fuel expansion to rural areas, low- and moderate-income neighborhoods, communities with a low ratio of private parking spaces

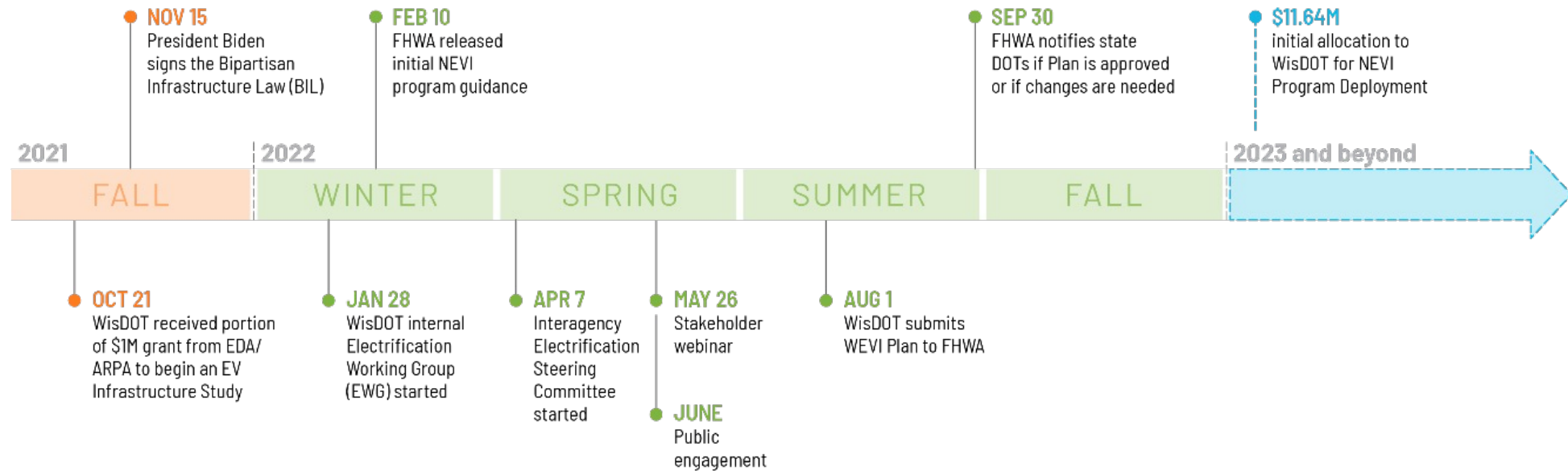


# Wisconsin Electric Vehicle Infrastructure & Development

- NEVI Criteria
  - Station installed every 50 miles along designated Alternative Fuel Corridors (AFC) within 1 travel mile of a highway intersection or exit
  - Minimum 4 ports that can charge a minimum of 150kW simultaneously



# Wisconsin Electric Vehicle Infrastructure & Development





# Introduction to Drive Electric Wisconsin



Part of the DRIVE Electric USA program – a partnership of U.S. Department of Energy Clean Cities Coalitions working to significantly advance electric vehicle (EV) adoption in their states.

## Priority Areas:

1. Create and strengthen **branded, statewide “DRIVE Electric”** programs in each state, and build capacity into those programs through funded time
2. Educate consumers by developing **multiple, local EV “chapters”** in all states
3. **Directly engage and educate all of our utilities** and regulators
4. Advance infrastructure in all states via **statewide corridor, regional and community EVSE planning**, including a focus on limited-income communities
5. **Educate state and local government officials** about EV policy best practices
6. Engage dealerships & OEMS to **develop state-based, preferred EV dealer programs** including light-duty and medium/heavy-duty OEMs
7. **Significantly increase fleet EV adoption** across many types of fleets and sizes of vehicles.



# Introduction to Drive Clean Rural USA

**DRIVE CLEAN  
RURAL USA**

WISCONSIN CLEAN CITIES



Drive Clean Rural USA is engaging with government leaders, business owners, fleet managers, and farmers to remove barriers and accelerate access to clean fuel solutions that deliver financial savings, clean air, and economic opportunity to rural communities.

## Rural Communities Will Receive

### Free Technical Assistance

Fleet assessment analyzing vehicle tasks, drive cycles, mileage, duty cycles. Consulting on optimal vehicle type, class, size and fuel type for the job.

### Clean Fuel Transition Plan

Help developing a practical plan that reflects fleet priorities, costs & benefits of fuel type choices, infrastructure & financing options, federal and state financial incentives.

### Demo Vehicles

Fleet cars, pick-up trucks, medium/heavy-duty bucket trucks, and more, powered by propane, natural gas, hydrogen, electric plug-in, and biofuels.

### Business & Job Growth

Outreach & technical assistance to help identify economic development opportunities unique to rural communities, such as biofuels and renewable natural gas.

## Leadership Promotion

Participants will be featured in a Replication Playbook disseminated nationally through the DOE, Clean Cities Coalitions, industry stakeholders, and the media. We will also spotlight project participants and success stories through media campaigns and speaking opportunities.



# Medium- and Heavy-Duty Fleet Electrification

## What Fleet Partners will Receive:

- Free industry-leading fleet operational and financial analysis from Sawatch Labs
- Free EV feasibility assessment & individualized fleet case study
- Warm connections to EV and EVSE industry solution providers to assist with available EV options, pricing, and procurement



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## Fleet Participation Requirements:

- Telematics data
- Vehicle Applications/Types
  - Passenger/Micro-Transit Van
  - Moving/Box Truck
  - Terminal Truck/Yard Hostler
- 90-day (3 month) minimum data set



# Statewide Assistance for Energy Reliability & Resilience (SAFER 2)

- Project Objectives

- Improve state and local response to energy emergencies
- Gain a better understanding of the resiliency of critical energy infrastructure around the state
- Provide templates and best practices for energy emergency plans
- Enhance understanding of roles and responsibilities of both state and tribal/local partners
- Make recommendations for energy technology integration into mitigation plans including:
  - Energy efficiency, renewable energy, micro-grids, and solar+storage on critical facilities, alternative fuel vehicles for resilience



**As part of the program, Wisconsin Clean Cities provides in-depth fleet assessments and education/outreach to governments.**

# EMPOWER

- Equitable, Mobility, Powering Opportunities for Workplace Electrification Readiness
- Why
  - Provide reliable access where home charging is not possible, providing a pathway for EV ownership for those who would otherwise not have charging access
  - Help to flatten the power demand curve by charging mid-day
- What
  - Educational outreach
  - Support infrastructure deployment in disadvantaged communities / businesses
  - Charging infrastructure planning and installation
- Who
  - Businesses across Wisconsin
  - 40% minimum goal of impacted communities and businesses



- **Justice 40 Initiative**

- “For the first time in our nation’s history, the Federal Government has made it a goal that 40 percent of the overall benefits of certain Federal investments flow to disadvantaged communities that are marginalized, underserved, and overburdened by pollution. President Biden made this historic commitment when he signed Executive Order 14008 within days of taking office”

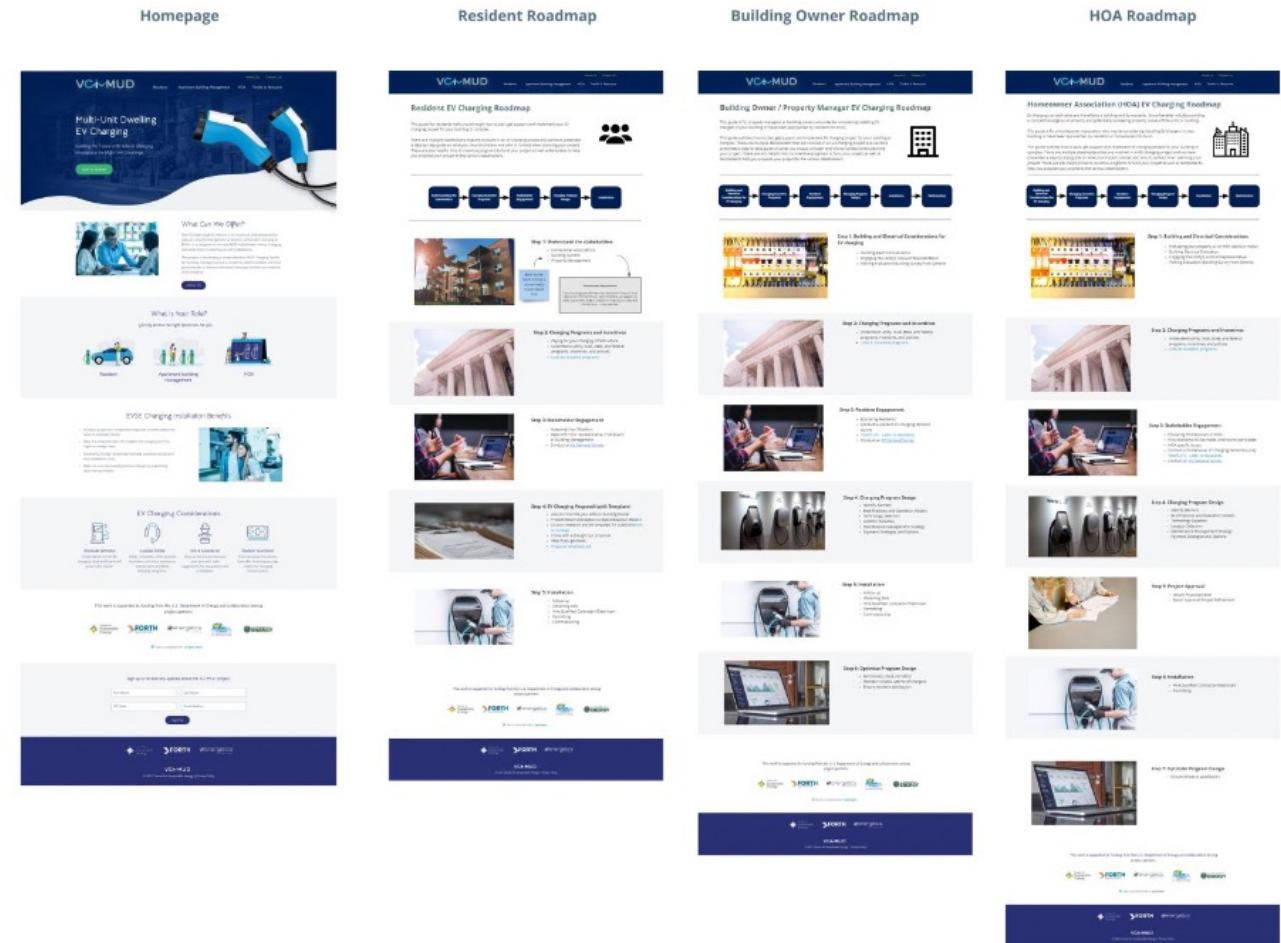
- **Sample of Identified Communities:**

- WPs in low income areas
- WPs in formerly redlined zones
- WPs in higher emission communities
- WPs whose primary spoken language isn't English
- WPs that have a majority immigrant labor
- WPs in rural areas
- WPs in federally and/or state recognized reservation lands
- WPs located in charging deserts
- WPs that are women-owned
- WPs that are BIPOC-owned (Black, Indigenous, People of Color)
- WPs that have employees with disabilities as a majority
- WPs that are veteran-owned
- WPs that are LGBT+ owned



# Vehicle Charging Innovations for Multi-Unit Dwellings (VCI-MUD)

- Educational resources and support for EVSE installation at or near multi-unit dwellings
- Audience groups
  - Multi-unit dwelling residents
  - Building management
  - Homeowner Associations





# Tools & Services

- National, State, and Local programs
- Fuel agnostic – can assist with any interest in alternative fuel conversion
- Extensive grant writing experience and success
  - From propane school buses to marine re-powers
- Tracking and announcement of funding availability
- Connections with technology providers and ability to assist with project development
- Access and ability to model fleet and offroad vehicles for both total cost of ownership savings potential and emissions reduction





# Membership

## MEMBERSHIP LEVELS AND BENEFITS

	\$50 Supporter	\$250 Associate	\$500 Bronze	\$1,000 Silver	\$2,000 Gold	\$3,500 Platinum	\$5,000 Diamond
Networking opportunities	●	●	●	●	●	●	●
Receive monthly newsletter & announcements	●	●	●	●	●	●	●
Access to technical training, workshops, and webinars	●	●	●	●	●	●	●
Discounted pricing on WCC and non-WCC events		●	●	●	●	●	●
Access to WCC Member Center & Database		●	●	●	●	●	●
Access to grant and funding information		●	●	●	●	●	●
Organization name with hyperlink on WCC website			●	●	●	●	●
Opportunity to Serve on WCC Board of Directors			●	●	●	●	●
Member Spotlight feature in monthly newsletter & on WCC website				●	●	●	●
Organization logo with hyperlink on WCC website					●	●	●
Organization logo in monthly newsletter & on marketing materials					●	●	●
Opportunity for in-person member consultations					●	●	●
Opportunity to Co-Host an Event						●	●
Access to grant writing expertise & assistance*							●



## Questions?



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