

NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI)

ROUND 2

Design-Build-Operate-Maintain (DBOM) Project

Statewide

Michigan Department of Transportation

July 9, 2024

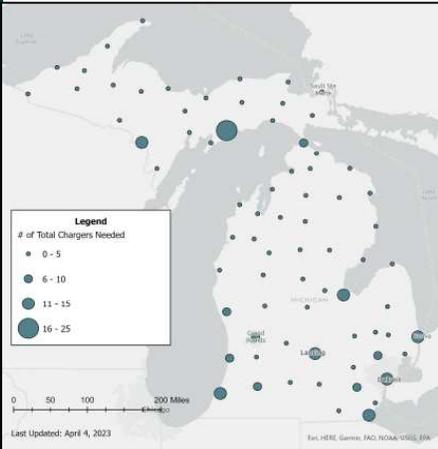
Accessibility

Please let the presenter know if you require mobility, visual, hearing, written, or other assistance for effective participation.

The presenter can also help with requests for this presentation in an alternate format.

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Optimized EV Charger Placement Plan

Study that identifies optimal locations for EV chargers. Driven by stakeholders, this study takes an analytical approach to optimizing the placement of EV charging stations statewide with minimal investment cost and user delay.



Charge Up Michigan

Funding program that aims to build the infrastructure for fast charging stations throughout Michigan, for worry free EV travel within the state, and also to neighboring states and Canada.



Lake Michigan Circuit

Future funding program and multi-state partnership with Michigan, Wisconsin, Illinois, and Indiana to create a network of EV chargers spanning over 1,100 miles of drivable shoreline around Lake Michigan.

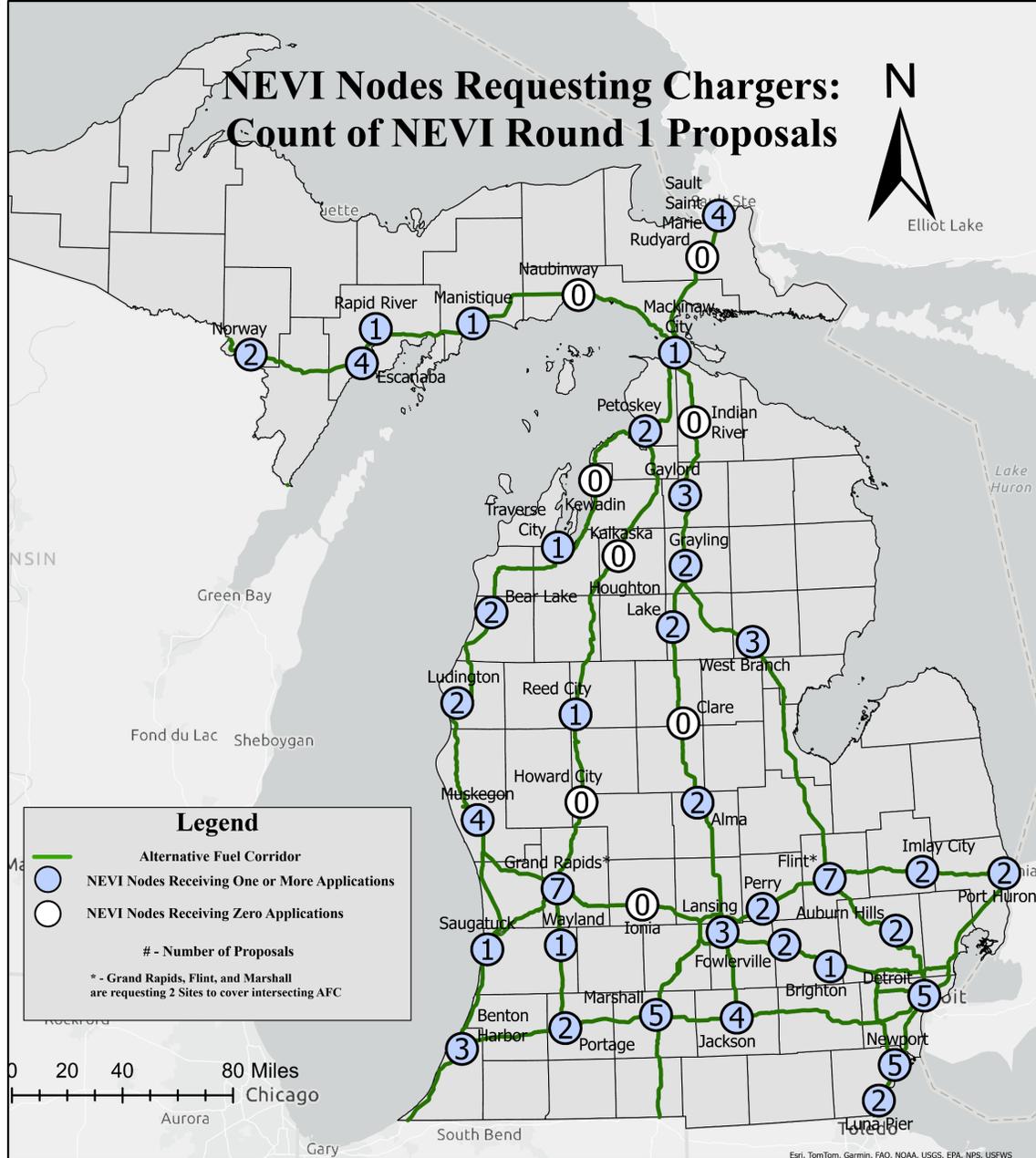


National EV Infrastructure

Funding program that aims to strategically deploy EV charging infrastructure and establish an interconnected network to facilitate data collection, access, and reliability.

Cross-Departmental Collaboration



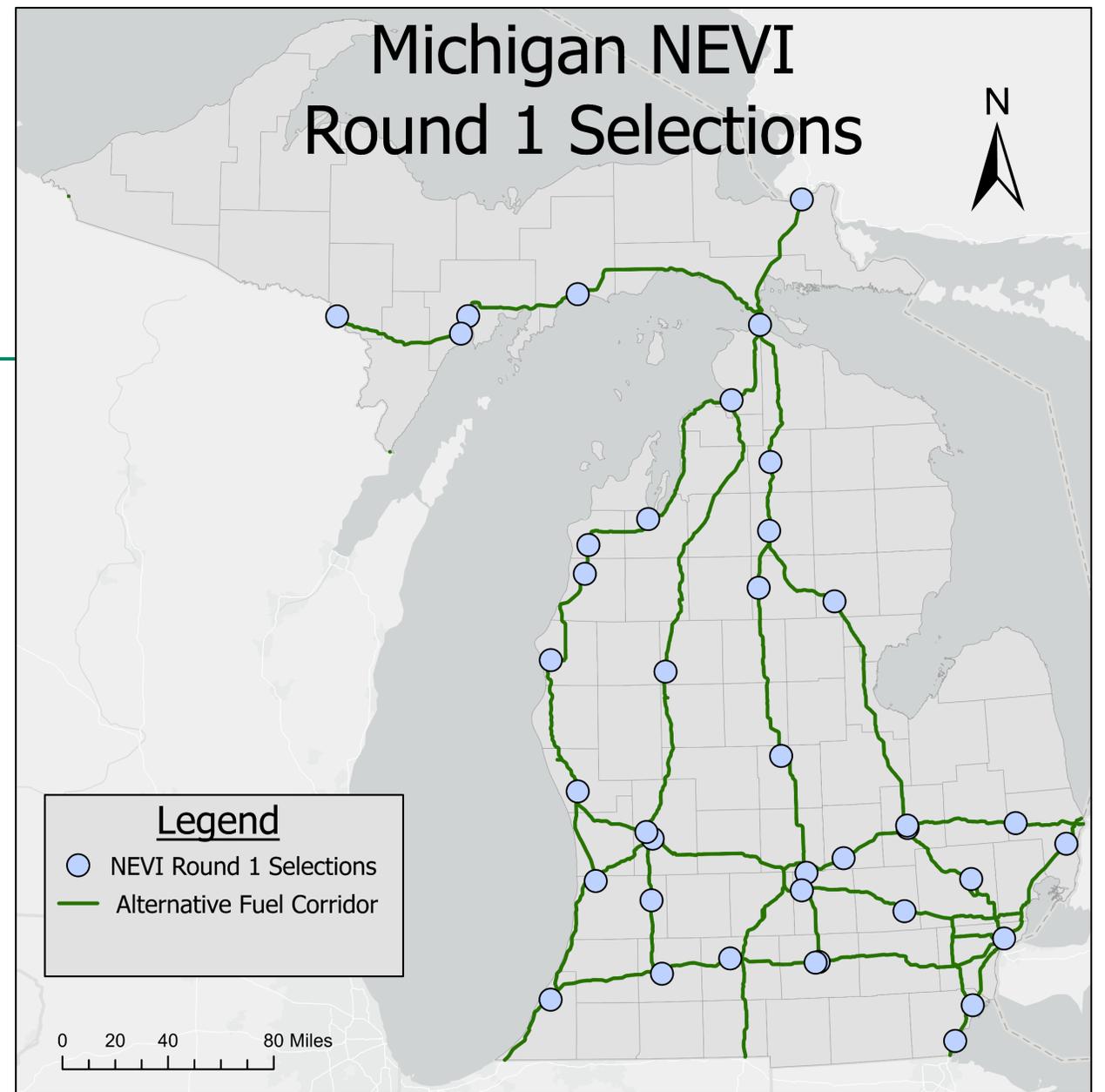


Round 1 Proposals

- 93 proposals received
- 22 different proposers
- Eight nodes did not receive a proposal
- Eight nodes received one proposal
- 27 nodes received two-plus proposals

Round 1 Selections

- 39 selected sites
- \$21.2 million funds requested
- 13 different project companies
- \$540,000 - average funds requested





The Michigan NEVI Planning Map shows the areas that the state is requesting chargers along Alternative Fuel Corridors (AFC).



Round 2 is a one-step request for proposals (RFP) process that include team qualifications, technical proposal, and cost.



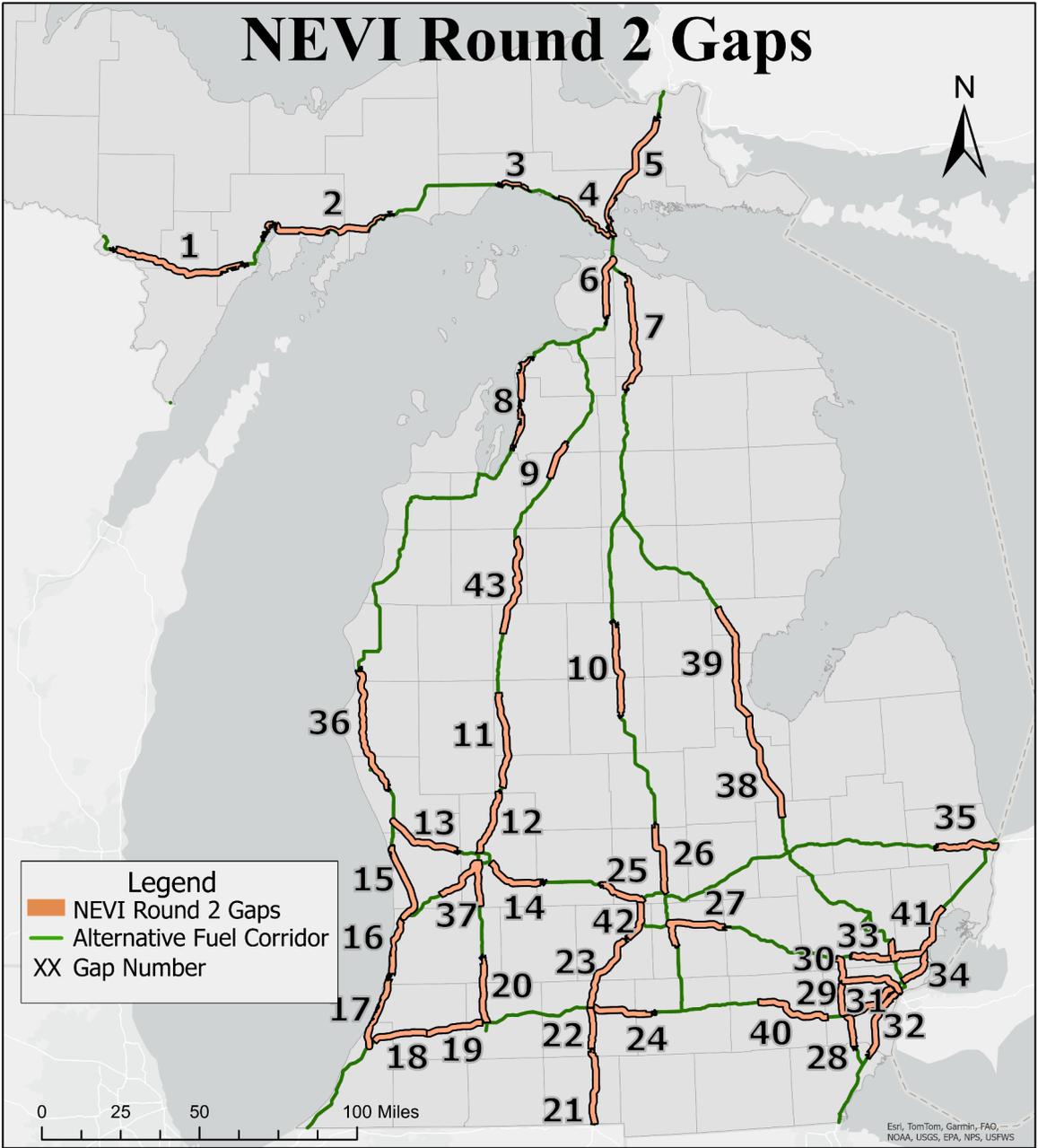
Submitters must be qualified to design, construct, operate, and maintain EV charging stations in compliance with the NEVI Standards and Requirements.



A proposal can only include one site. A submitter can submit proposals to multiple gaps and/or multiple proposals to the same gap.

Michigan NEVI Planning Map

Total Number of Gaps	43
<p>Other considerations:</p> <ul style="list-style-type: none"> • Each gap is requesting a minimum of one charging station with four charging ports. • Sites must be located within 1 traveled mile from AFC. • Each gap is scored independently. 	



Online Michigan NEVI Planning Map

Round 2 Planning Map

Michigan NEVI Round 2 Map

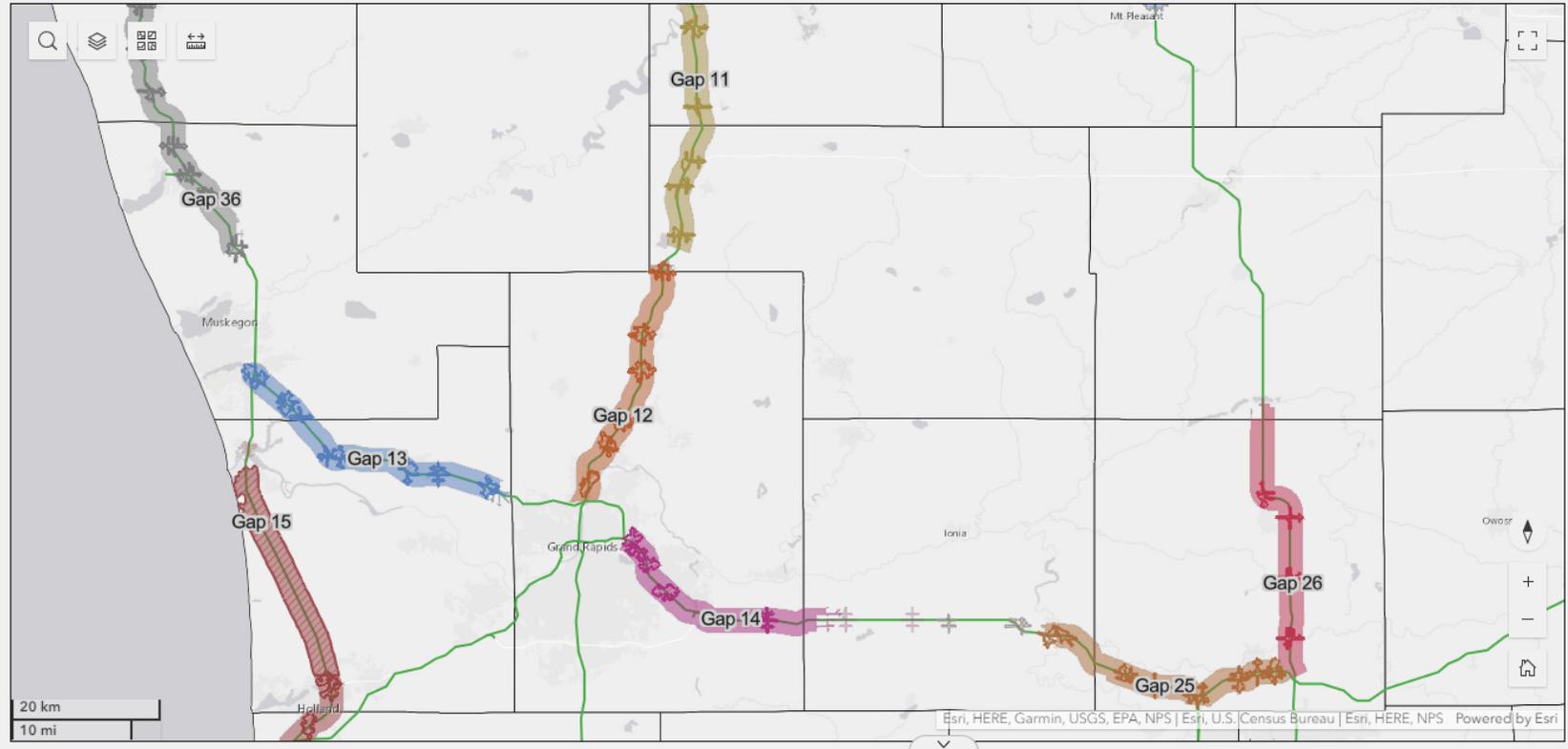
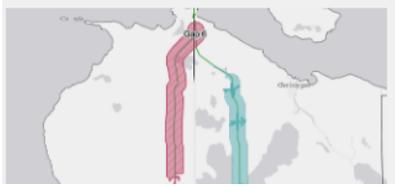
Info Layers Legend

The map shows the Round 2 areas along Alternative Fuel Corridors (AFCs) that MDOT is requesting electric vehicle charging sites as part of the National Electric Vehicle Infrastructure Formula Program (NEVI) build out according to the Michigan NEVI Plan. The polygons along the **limited access** corridors (all Interstates and some US Routes) shown in the 'Round 2 Candidate Polygons' layer displays the area that a driver could travel within 1-mile of the Interstate AFC at an exit. Per NEVI guidelines, any proposed site will need to be within these polygons.



Image Caption: Limited Access 1-mile Travel Distance Polygon

Similarly, for the **non-limited access** portions of the EV AFCs along US Routes, the 'Round 2 Candidate Polygons' layer shows the 1-mile buffer area along the entire route that is eligible for a proposed NEVI charging site.



Michigan NEVI Map Data

Round 2 Candidate Sites

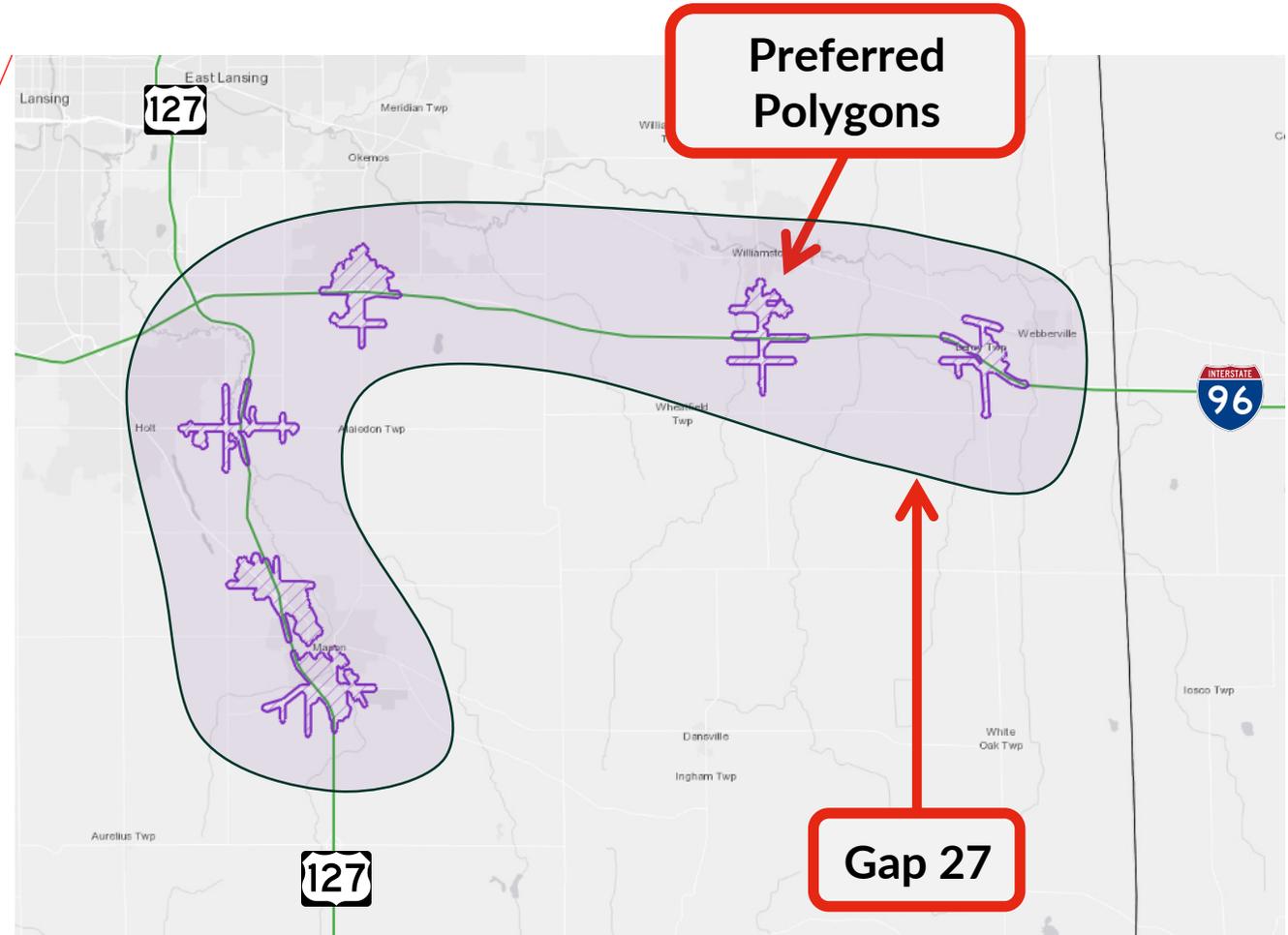
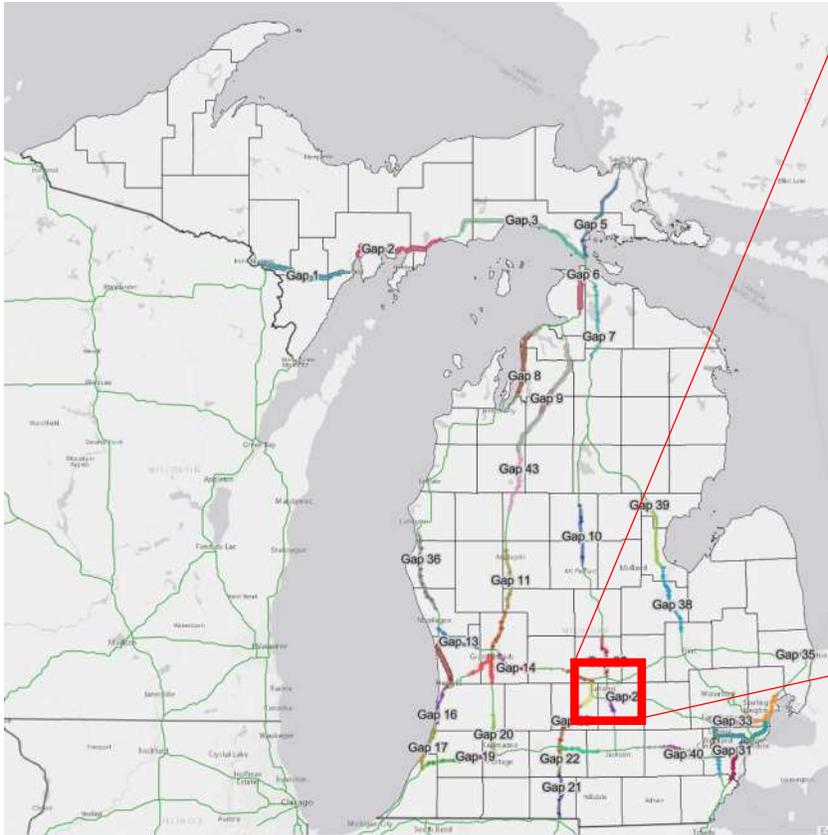
Corridor is any of

- IR 69
- IR 75
- IR 94
- IR 96
- IR 196
- IR 696
- UR 275
- US 2
- US 31
- US 127
- US 131

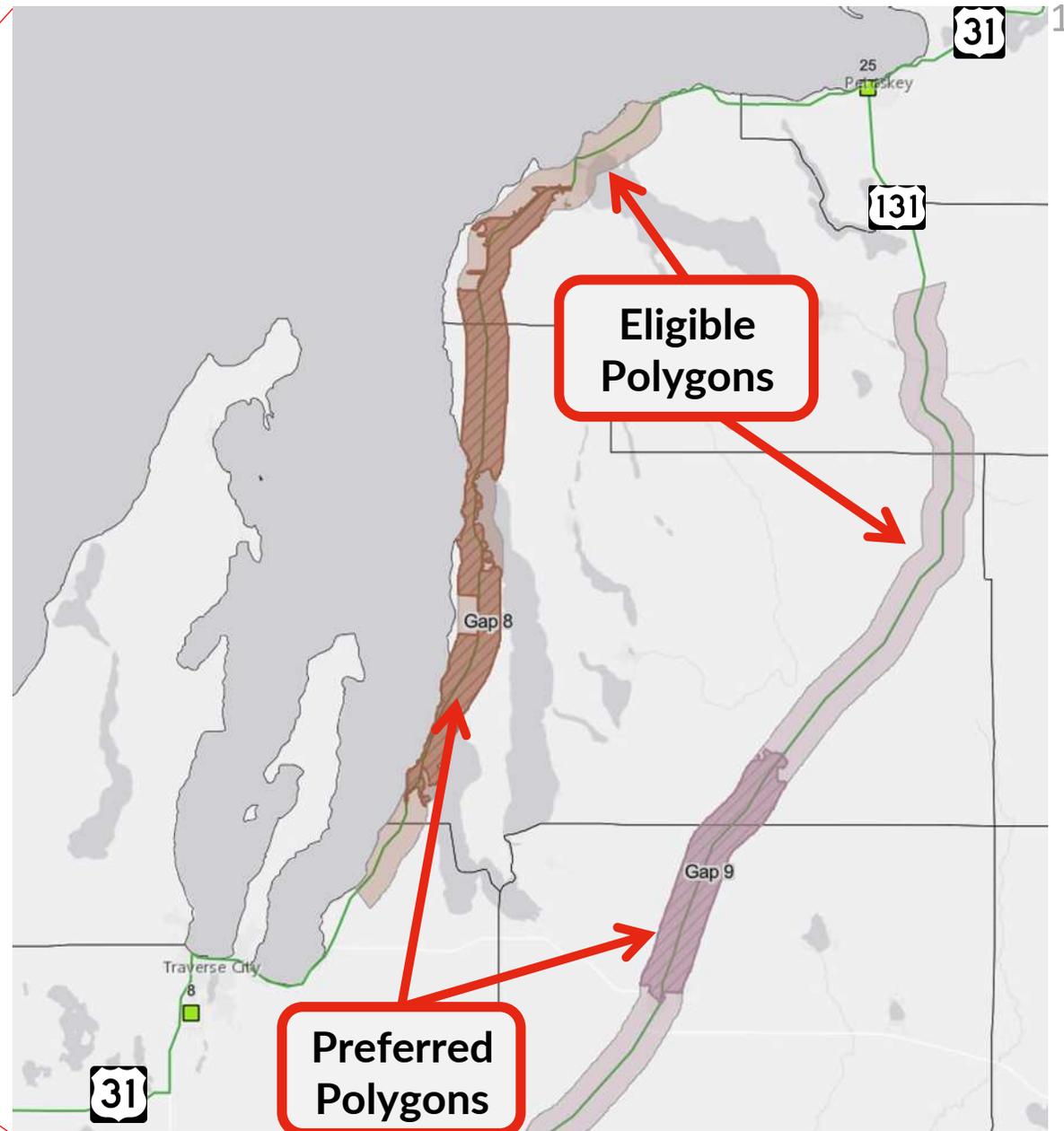
Round 2 Candidate Sites

Gap	Name	Corridor	Exit	Preference	CorridorType	City or Township	County
1	US-2 from Quinnesec to Pi...	US 2	Not Applicable	Preferred	US Route	Multiple cities and townsh...	Dickinson County, M
2	US-2 from Gladstone to M...	US 2	Not Applicable	Preferred	US Route	Multiple cities and townsh...	Delta County, School
3	US-2 Naubinway	US 2	Not Applicable	Preferred	US Route	Hudson, Garfield	Mackinac County

Limited Access (Freeway) Locations



Non-Limited Access (Non-freeway) Locations



Design-Build-Operate-Maintain (DBOM) Round 2 Procurement

DBOM: A project delivery method in which an agency enters into a single contract for design, construction, maintenance, and operation of an infrastructure facility over a contractually defined period.

Single-Step Request for Proposals (RFP)

- Pass/Fail: Proposals will be evaluated to determine the ability to meet team qualifications and NEVI Standards and Requirements.
- Best Value: Technical and price proposals will be evaluated using the scoring criteria defined in the RFP.



Request for Proposals

Team Information and Qualifications

DBOM Project Company



Site Host



EV Supply
Equipment



Charging
Network
Provider



Electrical
Distribution
Utility



Site
Designer



Installer/
Electrical
Contractor



Operations and
Maintenance
Provider

Qualifications criteria include but are not limited to:

- Federal/state business-related requirements
- Technical qualifications
- Capability to perform
- Past performance
- Specialty certifications or licensure
- Other appropriate factors, excluding cost or price-related information



Procurement Process NEVI Pass/Fail Requirements



A minimum of four network-connected direct current (DC) 150 kilowatt (kW) charging ports capable of simultaneously and continuously charging four EVs.



Charging stations available for use by the public 24 hours a day, seven days a week, and on a year-round basis.



Charging stations with basic user amenities on-site or nearby.



Regular and comprehensive collection, sharing and reporting of EV charging infrastructure data.



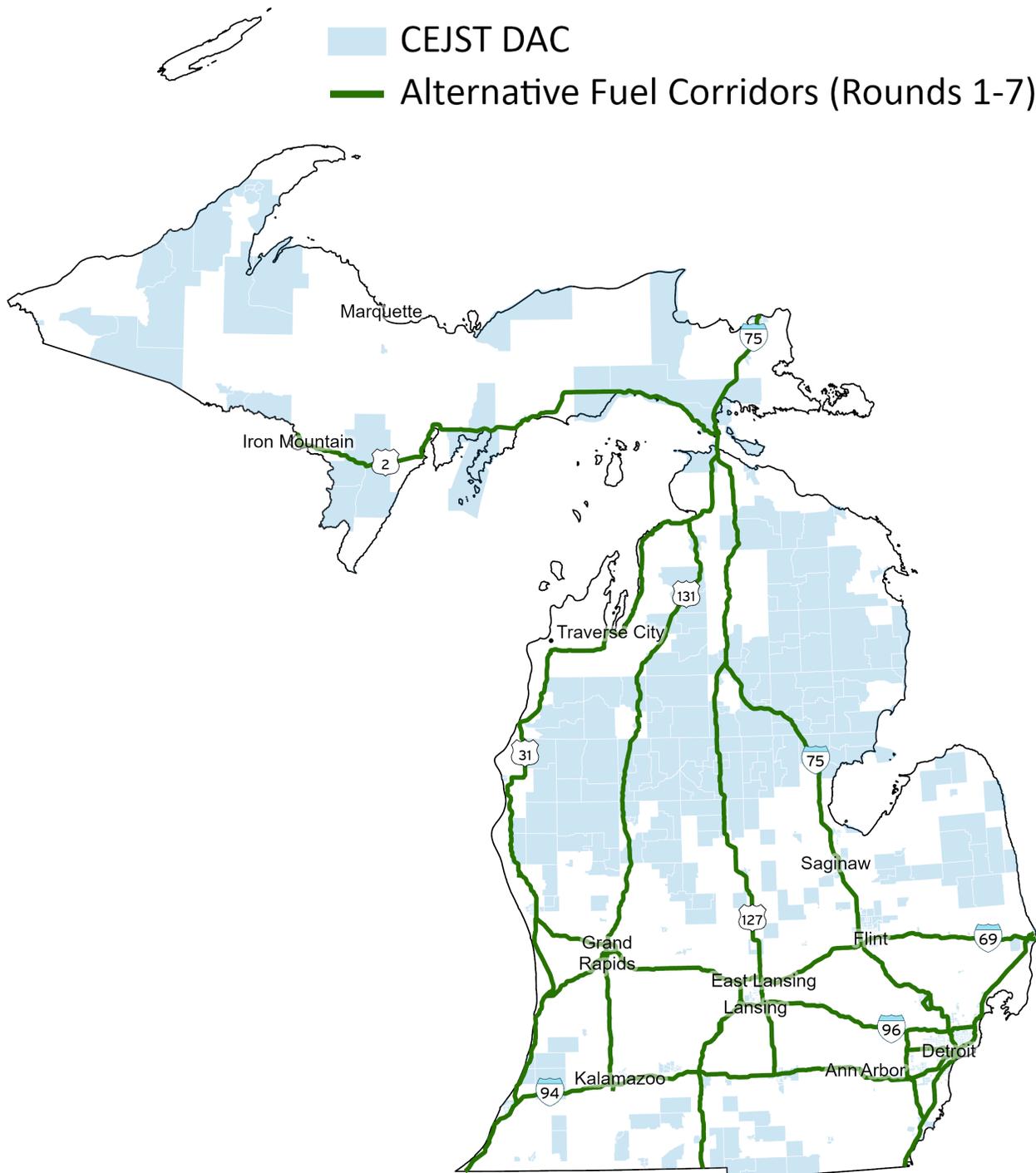
Annual average EV charging station uptime of 97 percent or higher.

<https://www.ecfr.gov/current/title-23/chapter-I/subchapter-G/part-680>



Equity Approach

- NEVI is a Justice40 program
 - 40 percent of program benefits must go to underserved communities.
 - No federal disadvantaged business enterprise (DBE) requirement for NEVI but DBE/small business enterprise (SBE) participation is a goal for MDOT.
- AFCs
 - 637 miles through underserved communities (30 percent).
 - 11 miles through tribal lands.
- Opportunities
 - Locate sites within Climate and Environmental Justice Screening Tool (CEJST) boundary.
 - Utilize workforce from underserved communities.



Request for Proposals

Technical and Cost

RFP Evaluation Criteria may include but is not limited to:



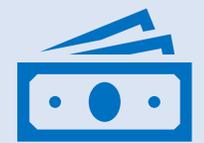
Site Location
and
Amenities



Site Plan



Project Approach



Project
Cost



Technical
Considerations



Equity



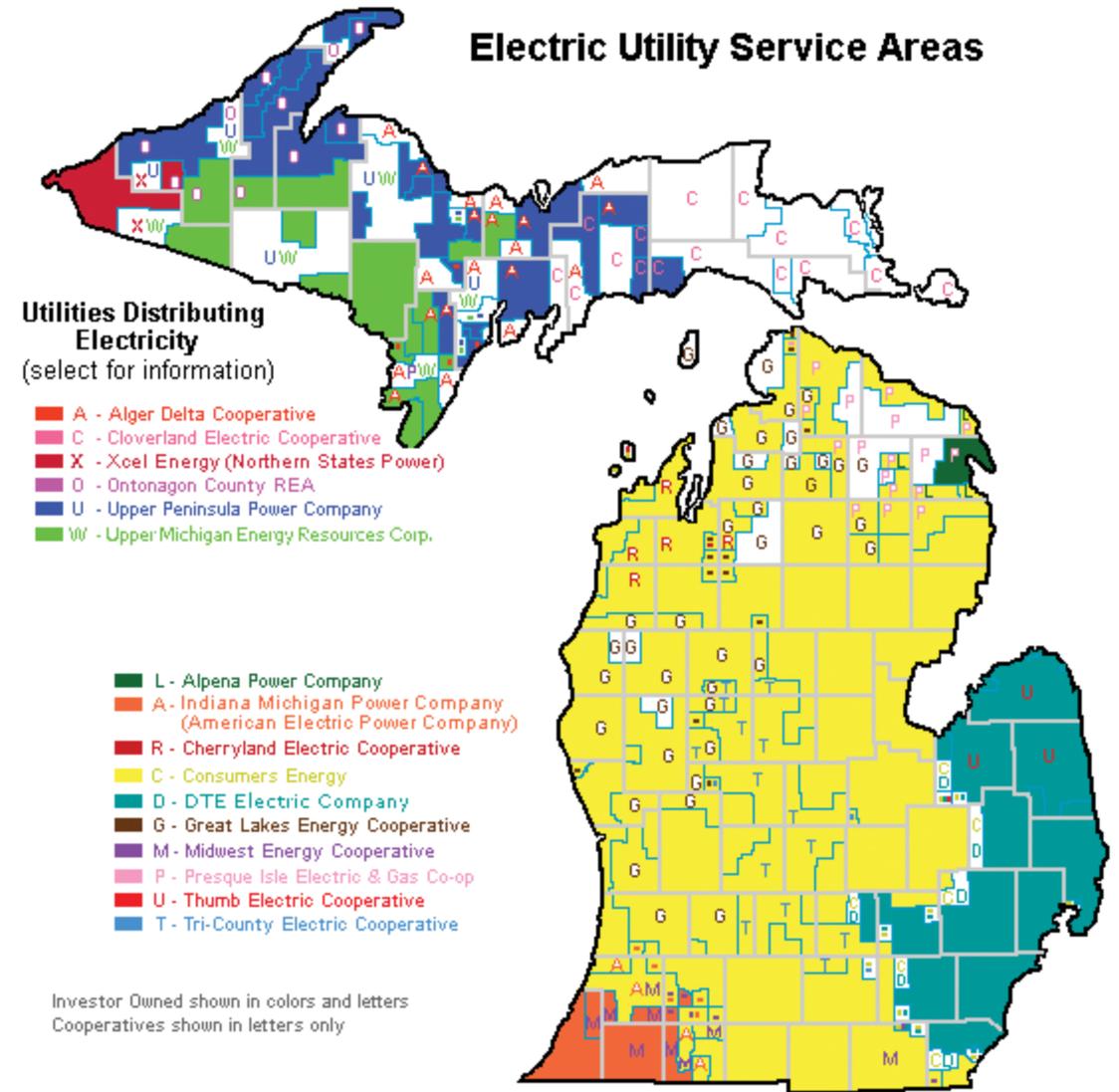
Funding: A minimum of 20 percent of the total eligible costs of the project must be funded by the submitter.

Environmental Compliance: After selection, the state will conduct an environmental review in compliance with the National Environmental Policy Act (NEPA).

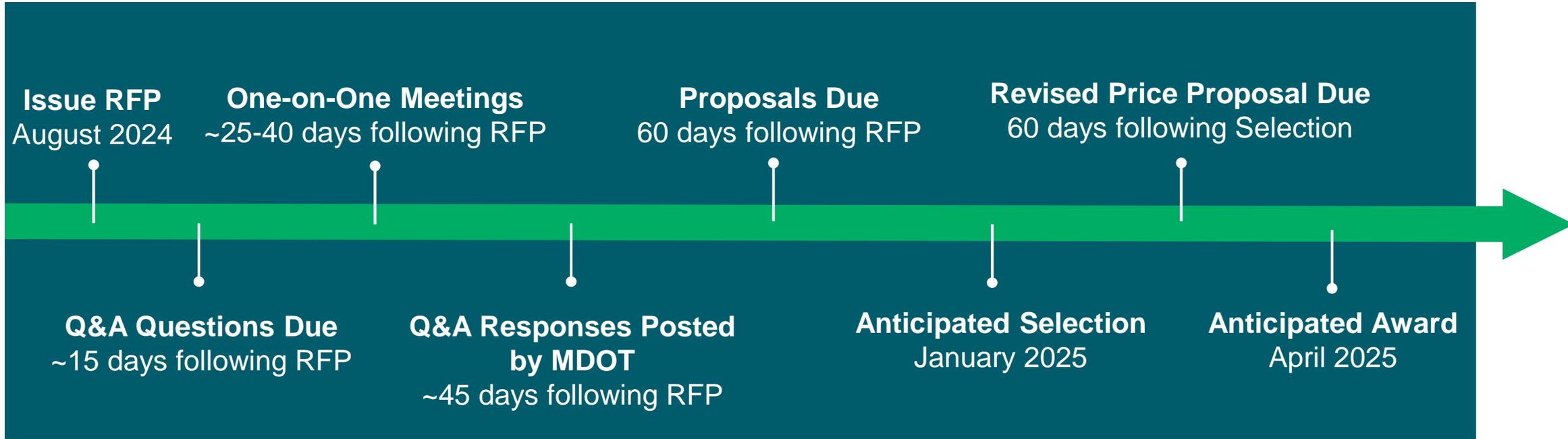
Looking for partners? Visit EGLE's Project Partners Directory - www.Michigan.gov/EGLE/About/Organization/Materials-Management/Energy/Transportation/EV-Infrastructure-Directory



1. **RFP :**
Written support from the electric utility provider for interconnection services to meet the NEVI power requirements.
2. **After selection:**
Project company will work with the electric utility to provide a design estimate for the cost of utility infrastructure.



2024-2025





Develop project teams!



Sign up for the [MDOT Innovative Contracting website listserv](#) to be notified when the NEVI RFP is released!



Read the RFP! After posting, written questions will be due within a few weeks.



The RFP becomes the contract. One-on-one meetings can be requested during the response period to expedite answers to clarifications.



Visit MDOT's Innovative Contracting Website for [NEVI Round 2](#) information



Questions? E-mail MDOT-Michigan-NEVI@Michigan.gov.

