



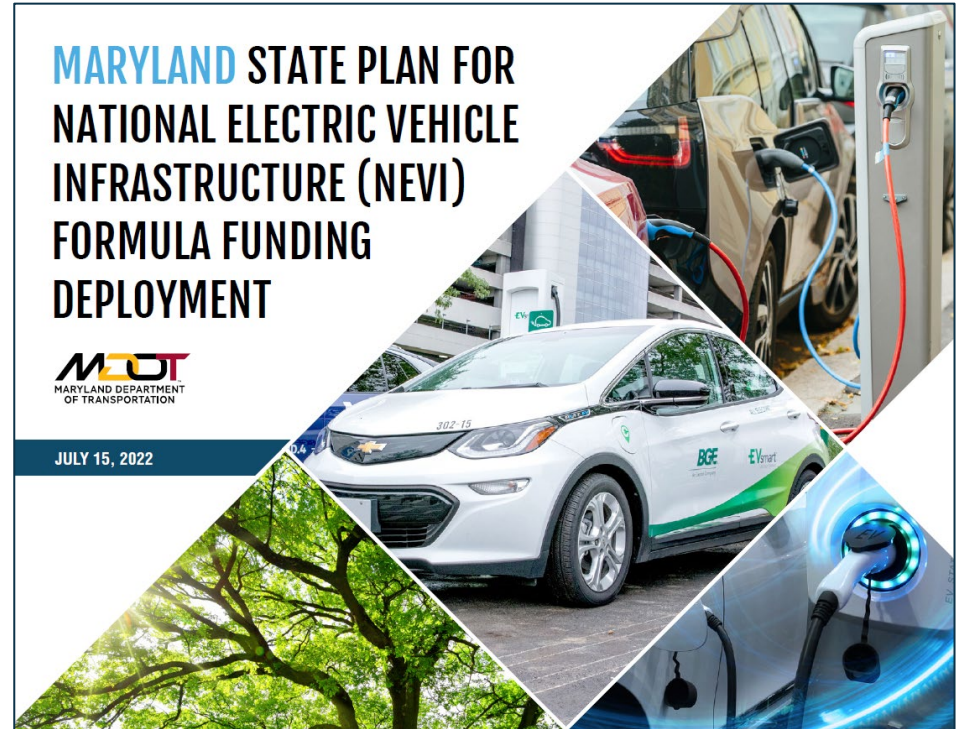
Maryland NEVI Plan

Dan Janousek, MDOT
April 2023



National Electric Vehicle Infrastructure (NEVI)

- **\$58M NEVI Funding in Maryland**
- **All states have Joint Office approved plans**
- **Plan updates** will cover FY2024
- **NEW Program Rules** (Payment Methods, Interoperability, Performance)
- **Maryland NEVI Goals**
 - Certify Alternative Fuel Corridors (Electric and Hydrogen)
 - Facilitate Interstate Travel
 - Invest in Communities
 - Coordinate with Utilities
 - Maximize Investments
 - Serve ALL Marylanders



NEVI Plan Components



Introduction



State Agency Coordination



Public Engagement



Plan Vision & Goals



Contracting



Existing & Future Conditions



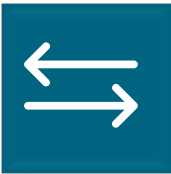
EVSE Deployment



Implementation



Civil Rights



Equity Considerations



Labor & Workplace Considerations



Cybersecurity



Program Evaluation



Discretionary Exceptions

 Areas where local govts can be involved

NEVI Goals

Alternative Fuel Corridors

Certify existing (23) corridors within five years and identify future roadways



Build & Strengthen Public-Private Partnerships

Facilitate contracting and implementation

Equitable Charging Infrastructure

Prioritize disadvantaged and rural communities



Collaboration

Work with state, local, regional, non-government organizations (NGOs), and public organizations and plans

Workforce/Job Impacts

Providing training
Enhance experience-level, and diversity



Resiliency and Reliability

Understand and address grid impacts, renewables, emergency preparedness, weather, operations/maintenance



Geographic and Location Diversity

Meet demands in various locations - Urban, suburban, rural, employment centers, multi-unit dwellings, etc.

ZEVIP and NEVI

Maryland Zero Emission Vehicle Infrastructure Plan (ZEVIP)

NEVI

Formula Funding
\$5B under BIL

Passenger-Vehicle
Focus

Medium & Heavy Duty
Charging Can Be
Funded

Equity Focus &
Public/Private
Partnerships

Charging and Refueling
Infrastructure
Discretionary Grant
Program (CFI)

• \$2.5B under BIL

• \$1.25B for Corridor
ZEV infrastructure
along AFCs (EV,
hydrogen, propane,
natural gas)

• \$1.25B Community
• \$1.25B Corridor

Other Maryland
Programs

- VW Settlement
- Clean Fuels Incentive Program (MEA)
- MD Smart Energy Communities
- Solar Canopy Grant Program

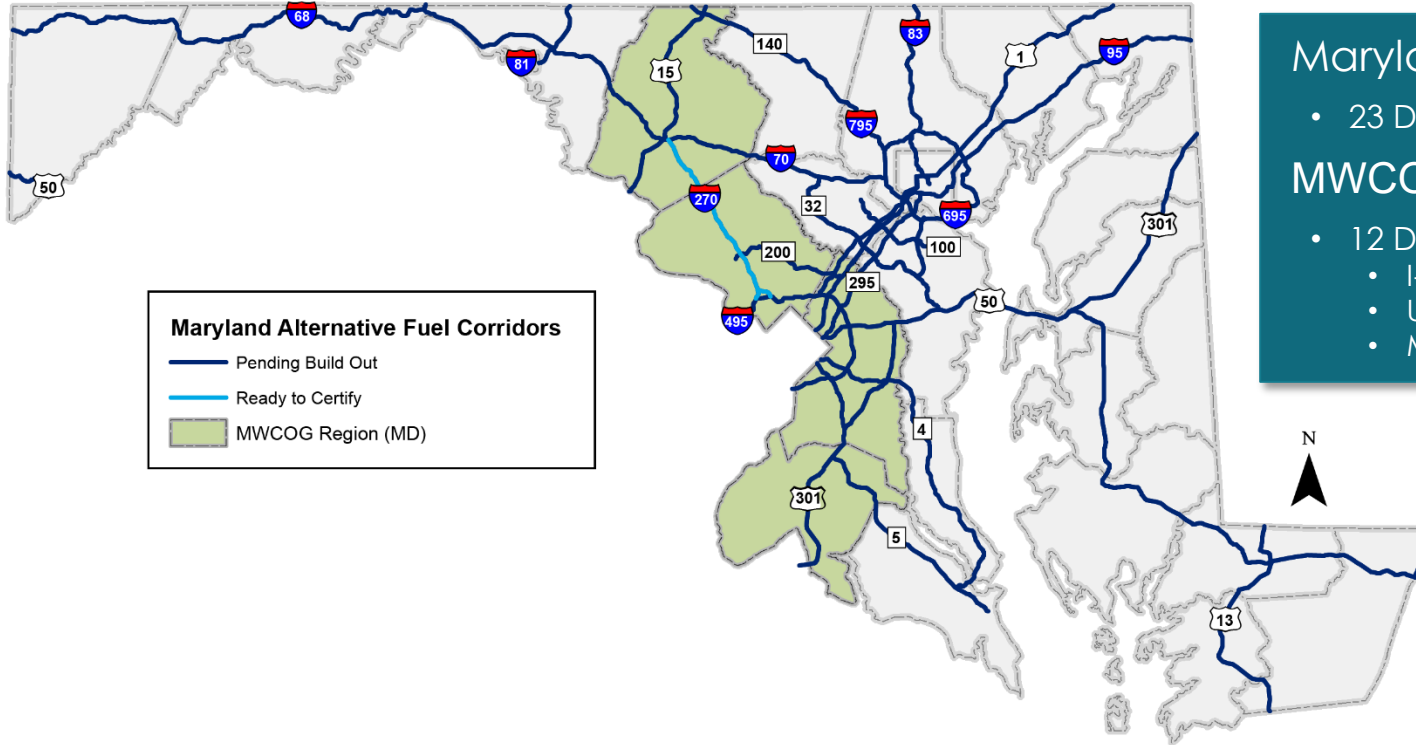
OTHER FUNDING /
Noteworthy Programs

- DOT
- DOE
- EPA

MD PSC Pilot Program
& Utility Investments



Buildout Alternative Fuel Corridors



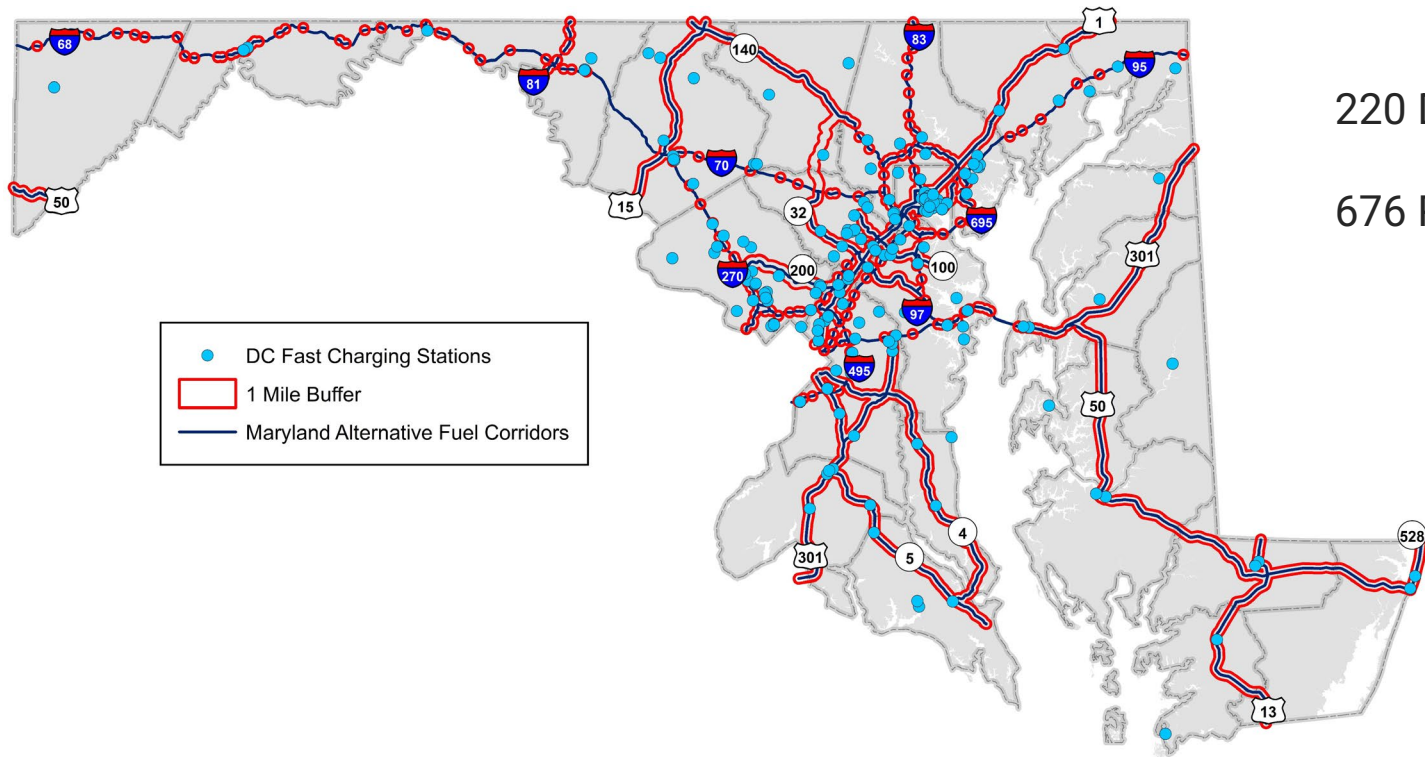
Maryland:

- 23 Designated AFCs

MWCOG Region:

- 12 Designated AFCs
 - I-95, I-495, I-270, I-70
 - US 1, US 15, US 50, US 301
 - MD 4, MD 5, MD 200, MD 295

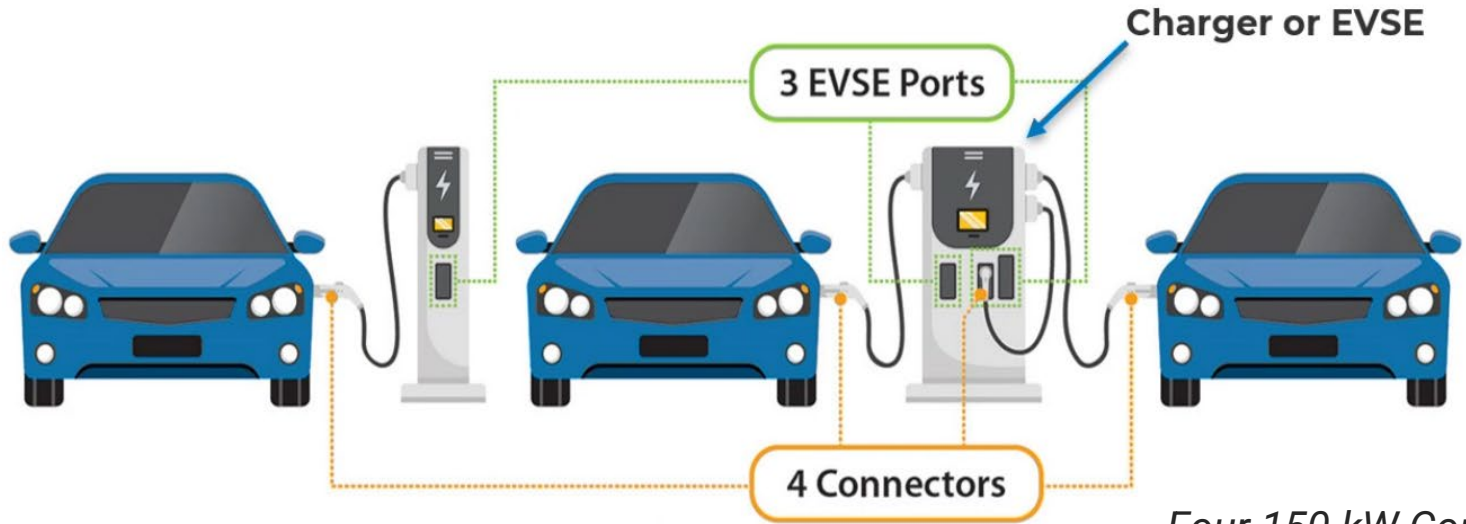
Existing DC Fast Charging Locations in Maryland



220 DC Fast Locations

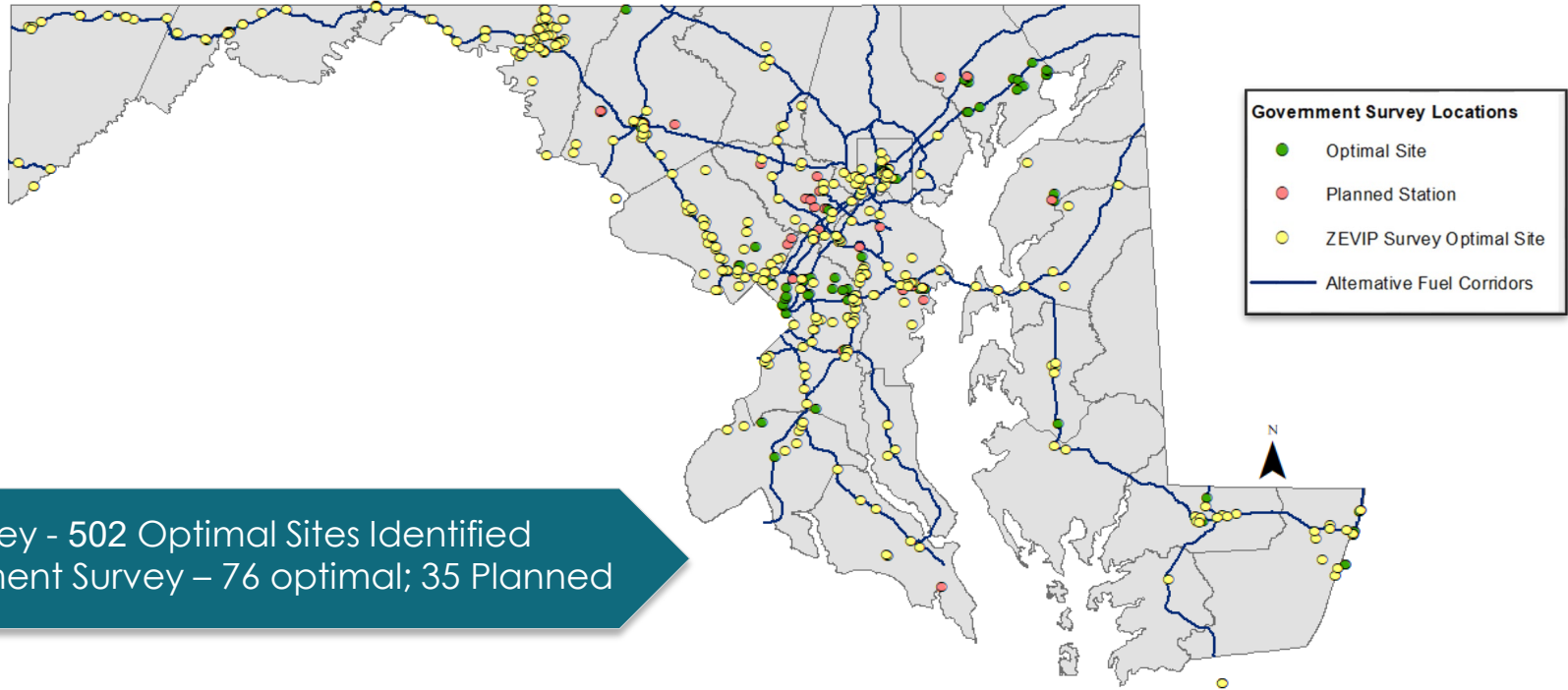
676 Ports

Charging Station



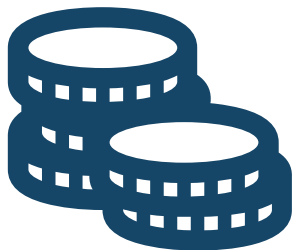
*Four 150 kW Connectors
Simultaneous*

MetroQuest Survey Potential Sites

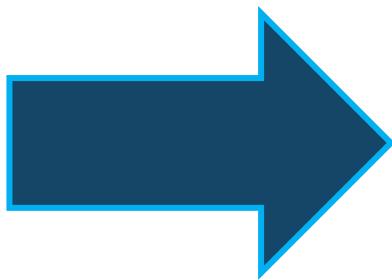


Survey - 502 Optimal Sites Identified
Government Survey – 76 optimal; 35 Planned

Equity - Justice40



**At least 40% of the
overall benefits of
federal investments**



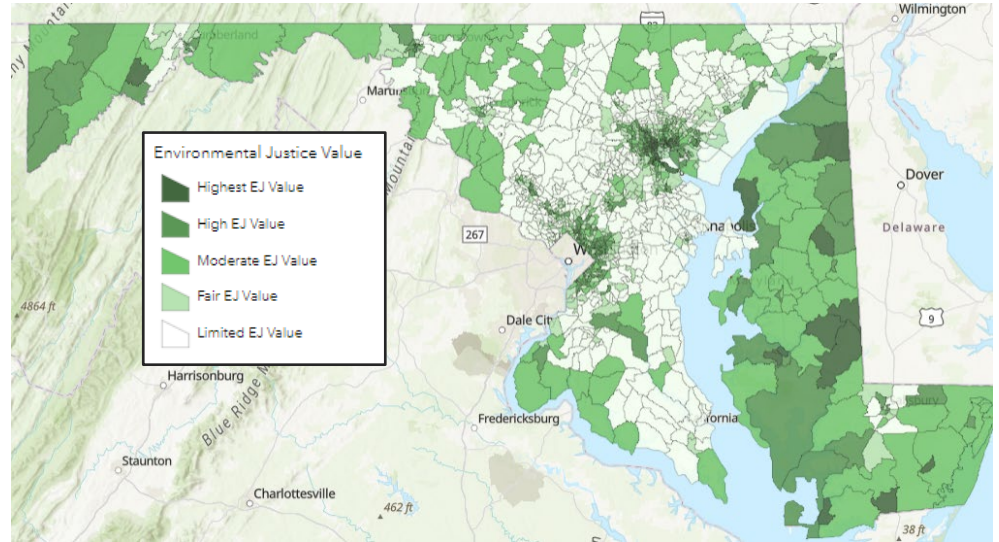
**Disadvantaged
Communities**

NEVI Toolkit

- Developed to assist in site identification, evaluation, & tracking
- Converts Four Areas:
 - Transportation, Land Use, Environmental Justice
 - Each with different weight

Environmental Justice Score

- National Datasets
 - Justice40
 - CDC Social Vulnerability Index
 - USDOT Historically Disadvantage Communities
- State Datasets
 - UMD/MDE EJSCREEN
 - DHCD Rural Areas



Outreach

- 3 Webinars
 - 332 Total Participants
 - Interactive Polling and Q&As
 - Summarized on ZEVIP Website
- MetroQuest Survey
 - 793 Total Participants
 - 500 Participants after NEVI Plan submission
- Presentations
 - ZEEVIC, MPOs, Non-Profits, etc.
- ZEEVIC Outreach Activities
 - 6 Community Events in 2022
 - 5 Completed Events
 - Baltimore, Salisbury, Boonsboro, Westminster, Cumberland
 - 1 Upcoming Event - Leonardtown



MDOT 2023 NEVI Activities

- **Goals**

- MDOT SHA Program Announcement
- Coordination & Outreach Activities
- Targeted Investments
 - Build Out AFCs (Interstates & NHS)
- ZEEVIC & State Agency Coordination
 - MEA, MDP, MDE Labor, Commerce

- **Plan Updates**

- Program
- Medium & Heavy Duty Charging
- Hydrogen



Local Government Involvement

- Eligible for NEVI Formula Funding
 - However, ideal applicant for later NEVI Rounds
 - Coordination with MDOT prior to their application submittal
- Review zoning/permitting to streamline EVSE installations
- Sites Identification for Public Charging
- Workforce Development
- Coordinate with Utilities
- Identify Training Needs and Opportunities
- Eligible for Charging and Fueling Infrastructure Discretionary Grant Funding (CFI)
 - Current NOFO Released March 14 (\$350M Corridors and \$350M Communities)
 - NEVI Rules Apply
 - Applications Due May 30

Maryland NEVI Contact Information



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