

New Hampshire EV Opportunities

Transportation
Council Hearing
May 20, 2022



Goals for this Meeting

Meeting Goals

- Update on Plan status
- Seek Public Feedback
 - Provide input on Plan Vision and Goals
 - How should NH prioritize EV Infrastructure?
 - Where should NH prioritize EV Infrastructure?
 - Optimal locations for EV Infrastructure

National Electric Vehicle Infrastructure (NEVI)

A program funded by the BIL

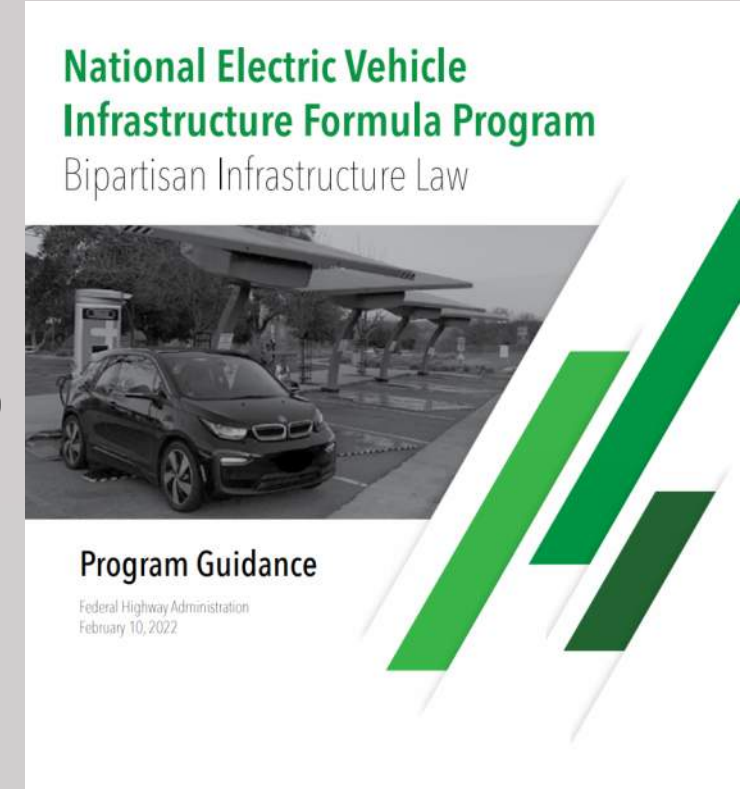
BIL: EV Infrastructure Programs

\$5 billion NEVI formula funding (\$1B per year over five years)

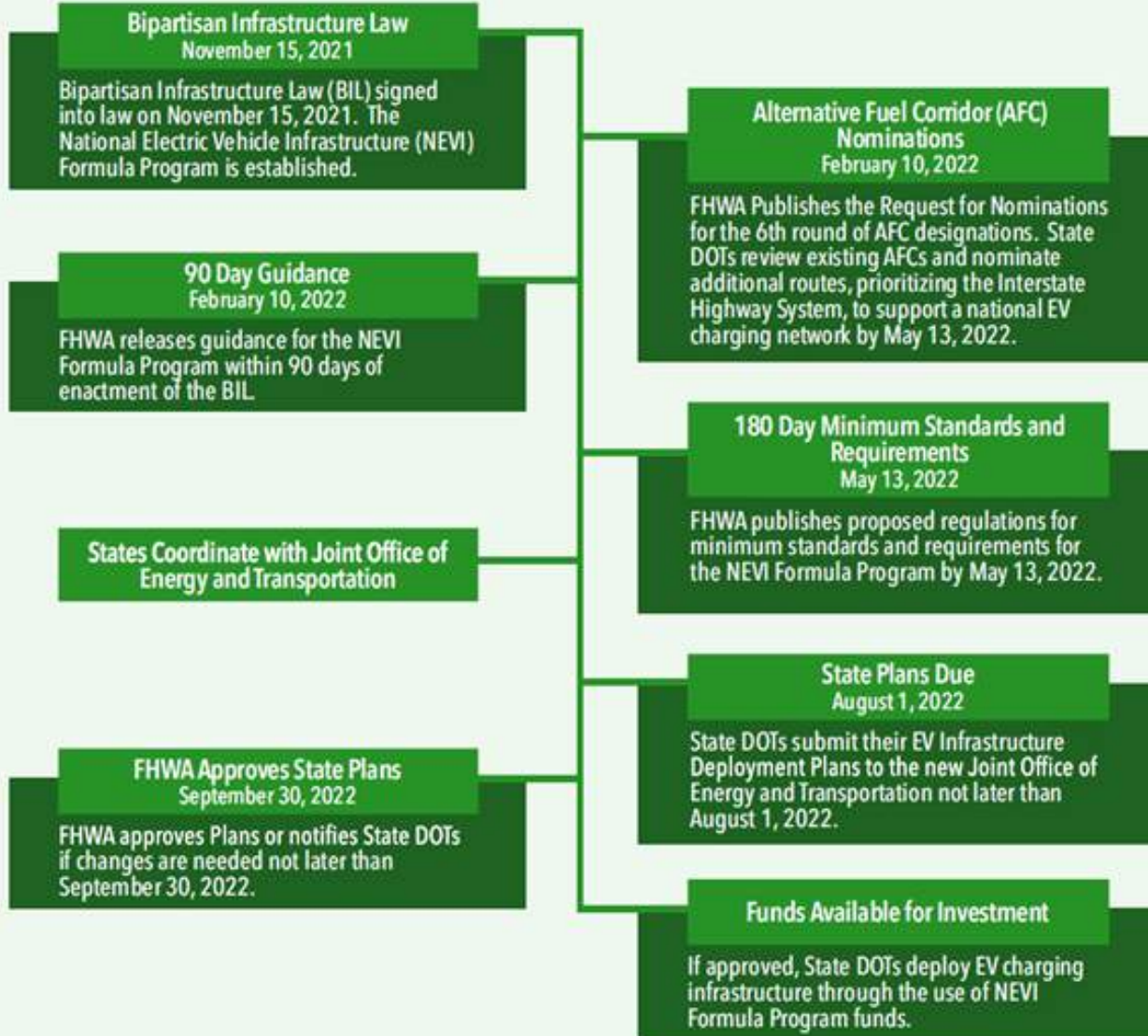
- NH 5-year formula funding = \$17,271,581
 - NH Year 1 formula funding = \$2,556,450 (available after Plan approval)
 - NH Year 2-5 formula funding = \$3M (anticipated)
- Cost-share: 80% federal – 20% state/private funds

\$2.5 billion discretionary grant funding divided between corridor & community charging

- Additional guidance anticipated later this year (likely by November 15, 2022)



NEVI Timeline



BIL: National Electric Vehicle Infrastructure Formula Program (NEVI)

- NHDOT lead Agency for EV Infrastructure Deployment Plan
- Funding priorities for installation, operation, and maintenance of EV charging infrastructure:
- DCFC every 50 miles and within 1 travel mile from the highway
- \geq four 150 kW DC output fast chargers with CCS ports capable of simultaneously charging four EVs



State EV Infrastructure Deployment Plan

- Describe state agency coordination in development of plan
- Discuss how the public was engaged in plan development
- Articulate the plan's vision and goals on a 5-year horizon
- Analyze existing and future risks/challenges to deployment
- Present a deployment strategy for installations on designated corridors (prioritizing Interstate Highway System)
- Identify non-federal funding sources
- Consider sociodemographic, geographic, and economic equity (in deployment and workforce) – e.g., Justice 40 - EPA mapping tool: <https://www.epa.gov/ejscreen>
- Be updated annually

State EV Infrastructure Plan Outline

- Introduction
- State Agency Coordination
- Public Engagement
- Plan Vision and Goals
- Contracting
- Existing and Future Conditions Analysis
- EV Charging Infrastructure Deployment
- Implementation
- Civil Rights
- Equity Considerations
- Labor and Workforce Consideration
- Cybersecurity
- Program Evaluation
- Discretionary Exceptions (If Any)

Public Engagement

Stakeholders

- State Agencies
- Regional Planning Commissions
- Utilities

Public Outreach

- Today's Public Hearing
- Upcoming Survey

Plan Vision

Strategically deploy an interconnected and equitable network of public electric vehicle (EV) charging infrastructure to support emissions reductions in the State of New Hampshire, encourage electric vehicle travel, and stimulate public-private sector collaboration.

Plan Goals

1. Promote a sustainable New Hampshire by contributing to decarbonization through transportation electrification.
2. Develop an interconnected and **equitably** located network of public EV charging infrastructure along New Hampshire's alternative fuel corridors that is accessible, eliminates range anxiety, allows for public awareness of charging locations, and supports EV adoption.
3. Grow the economies of underserved rural and urban communities through **skills training and workforce development** opportunities associated with implementation and management of public EV charging infrastructure.
4. Coordinate with electric utilities to integrate New Hampshire's public EV charging network within the local energy systems to enhance resilience and reliability.

Plan Goals (Cont'd)

5. Support local and State governmental agencies in the development of a public EV charging network that meets the needs of local government, agencies, end users, residents, and visitors.
6. Uphold safety and protect EV drivers through adherence to standards and cyber-security protocols.
7. Encourage electric vehicle travel throughout New Hampshire for residents and visitors.
8. Increase familiarity and knowledge about EVs among communities through education, coordination, and outreach.
9. Identify collaboration opportunities between **public and private sectors** for EV charging infrastructure implementation.
10. Develop standards and protocols that meet the State of New Hampshire's EV needs.

Prioritization and Preferred Locations

What criteria should be used to prioritize EV charging locations?

- Vehicular Traffic (AADT)
- EJ and Rural Communities
- Evacuation Routes
- Etc.

What are the preferred locations for EV charging stations?

- Government Buildings
- Retail/Shopping Centers
- Gas Stations
- Etc.



NH's FHWA Designated EV Corridors

- I-89
- I-93
- I-95
- F.E. Everett Turnpike
- Spaulding Turnpike/NH SR-16
- US-302
- US-2
- US-4
- NH SR-9
- NH SR-11
- NH SR-12
- NH SR-101

GSCCC Newsletter Article for more details:

<https://www.granitestatecleancities.nh.gov/happening/documents/news-20200910.pdf>



Questions?

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