

# New Hampshire EV Opportunities

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Transportation

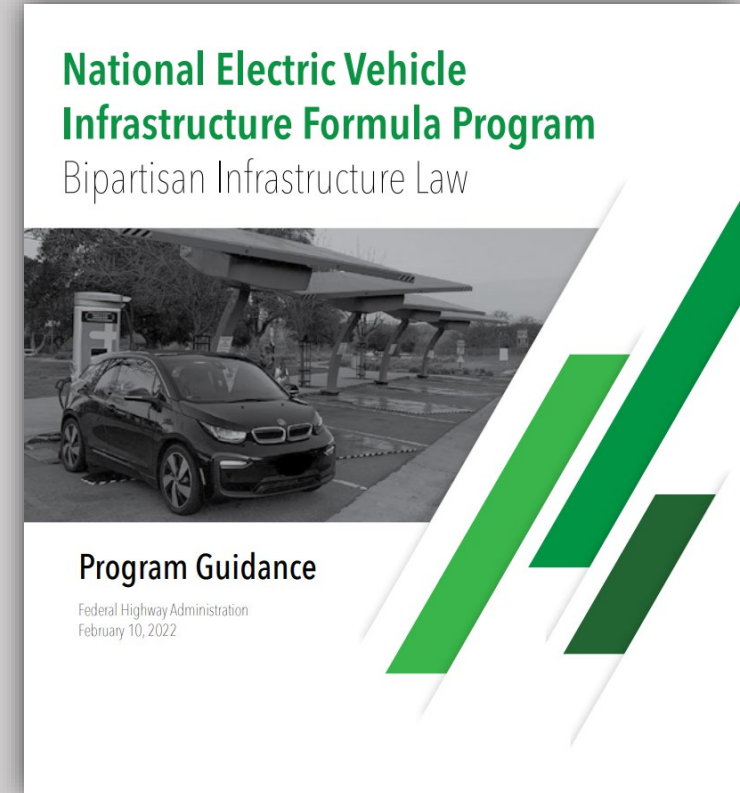


National Electric Vehicle Infrastructure (NEVI)  
A program funded by the Bipartisan  
Infrastructure Law (BIL)

# BIL: EV Infrastructure Programs

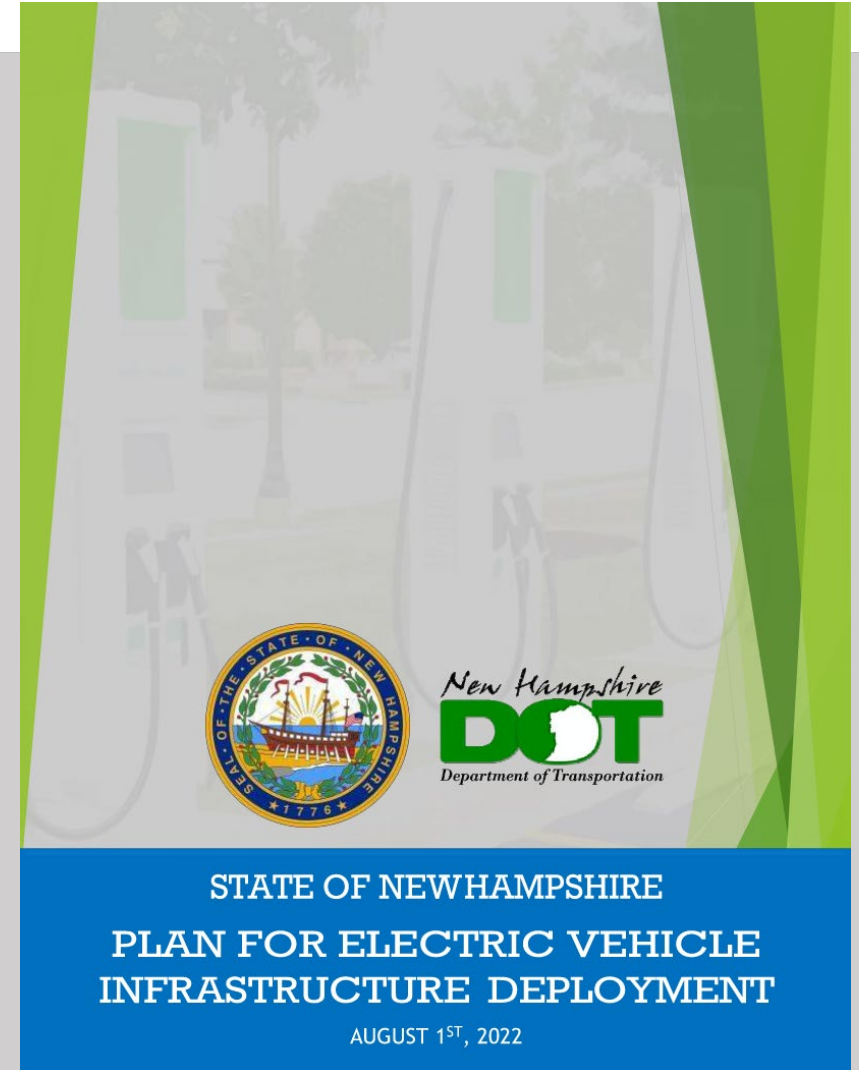
\$5 billion NEVI formula funding (\$1B per year over five years)

- 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 (ant.)
- Cost-share: 80% federal – 20% state/private funds
- 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



# NEVI Plan

- Submitted on August 1, 2022
- **Approved on September 14, 2022**
- Waiting on final rules to be released
- Anticipate first RFP to be released in mid 2023
- Reviewed annually
- <https://www.nh.gov/dot/media/documents/nh-nevi-charging-deployment-plan-2022-08-01.pdf>



# NEVI Plan - Content

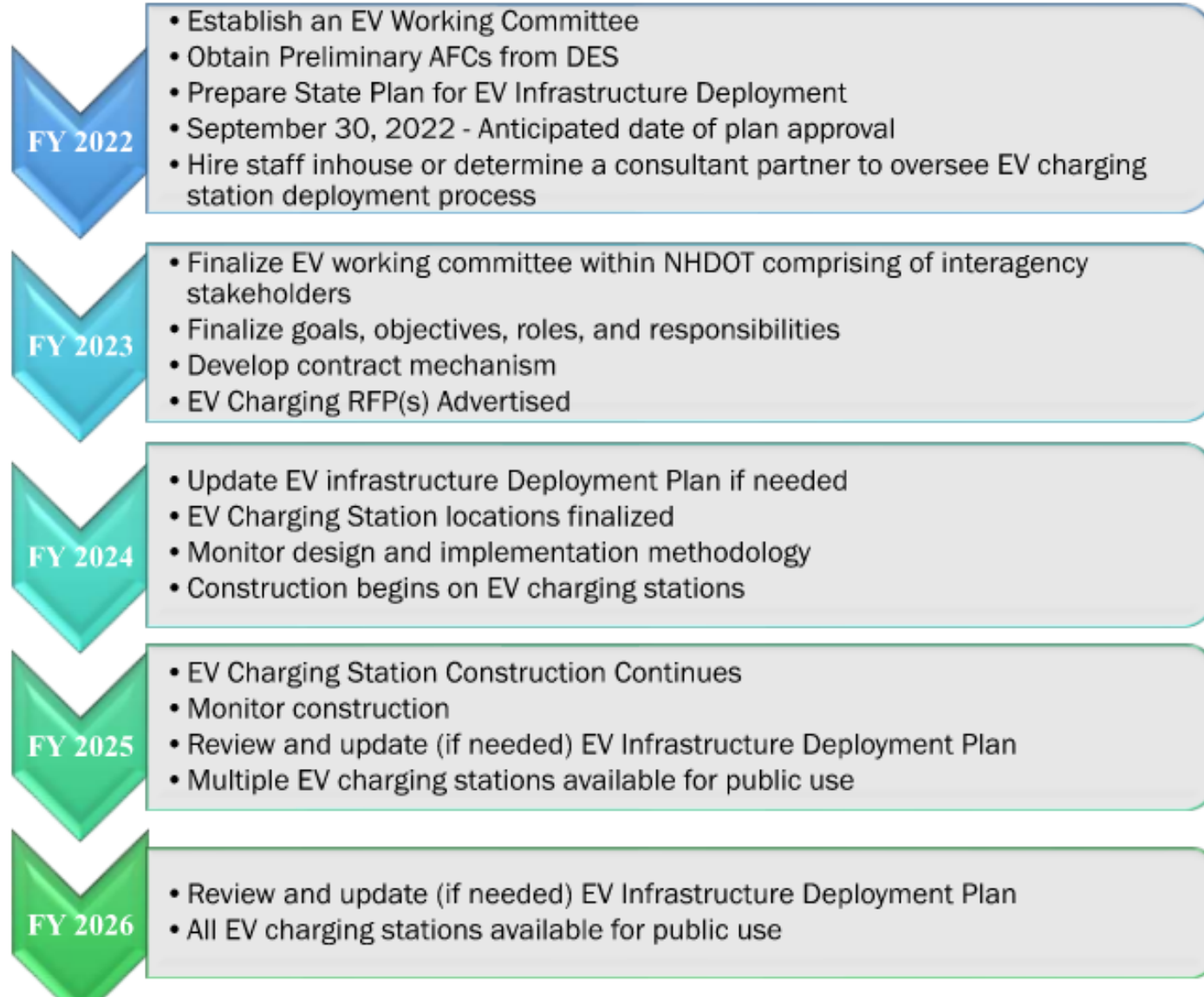
New Hampshire DOT

State Plan for Electric Vehicle Infrastructure Deployment

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# NEVI Plan - Timeline



# NEVI Plan – Plan Vision

**Strategically deploy an interconnected and equitable network of public electric vehicle charging infrastructure to encourage electric vehicle travel, maintain economic competitiveness, and stimulate public-private sector collaboration in the State of New Hampshire.**

# NEVI Plan – Contracting

- Contract with Private Entities
- Use model from DES/VW Trust Settlement
  - Previously Vetted
  - Good Response
- Contracts include design, construction and maintenance
- 5-year term after construction



# NEVI Plan – Existing and Future Conditions Analysis

- DES to nominate US 3 north of US 2 as AFC
- Tesla chargers not included







Automaker	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022
Tesla	69,300	76,230	75,509	115,248	129,743	130,047
Ford	6,614	6,361	5,880	8,285	6,734	15,273
General Motors	9,025	11,263	4,515	26	457	7,217
Nissan	2,925	4,804	2,345	4,165	4,371	3,251
Volkswagen Group	6,805	11,675	8,357	9,081	7,932	8,961
Hyundai-Kia	2,829	4,401	5,921	5,246	15,480	17,979
Mercedes-Benz	0	0	0	443	2,091	1,959
BMW	340	511	426	199	1,171	1,082
Stellantis	0	0	0	0	0	0
Volvo/Polestar	435	2,153	2,430	2,986	3,092	4,518
Rivian	0	0	0	920	1,227	4,467
Lucid	0	0	0	125	460	482
TOTAL US EV sales	98,832	118,233	106,562	147,799	173,561	196,788

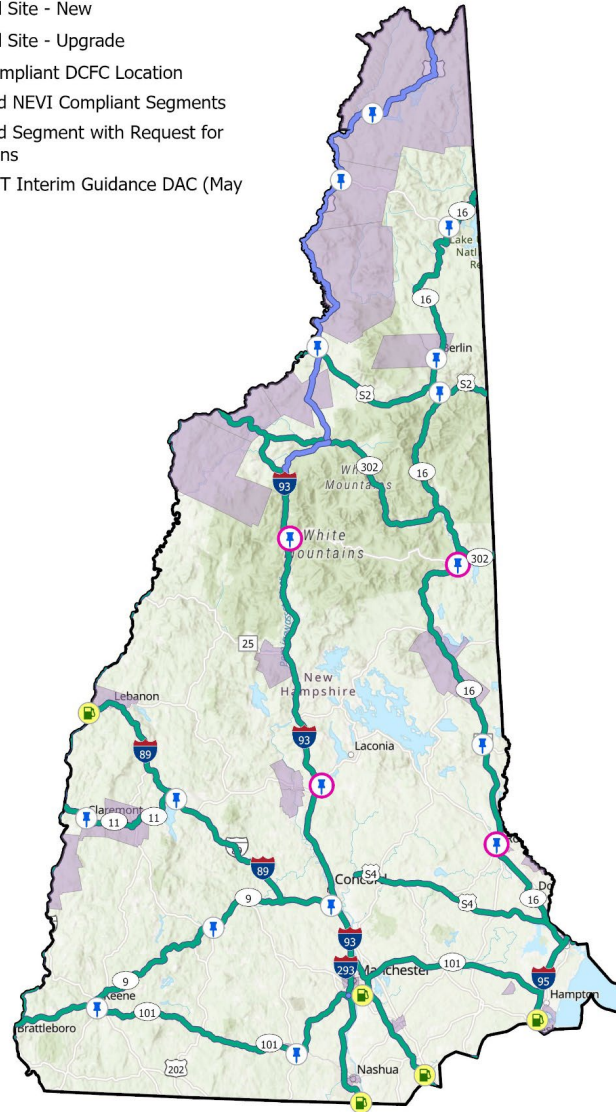
# NEVI Plan – Risks and Challenges

- Permitting
- Stakeholder Agreements
- Utility Coordination
- Tesla Infrastructure
- Rural and Disadvantaged Communities
- Equipment and Labor Shortages
- Level 2 Charging



# NEVI Plan – Potential Charger Locations

-  Potential Site - New
-  Potential Site - Upgrade
-  NEVI Compliant DCFC Location
-  Proposed NEVI Compliant Segments
-  Proposed Segment with Request for Exceptions
-  DOE/DOT Interim Guidance DAC (May 2022)



# NEVI Plan – Implementation

- Open communication between networks
- Qualified installers
- Data collection per Federal Rule tbd
- 97% uptime
- Buy America

# NEVI Plan – Equity Considerations

- Equitable deployment statewide
- Identification/Outreach to DAC
- Measurable Benefits
- Justice 40

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