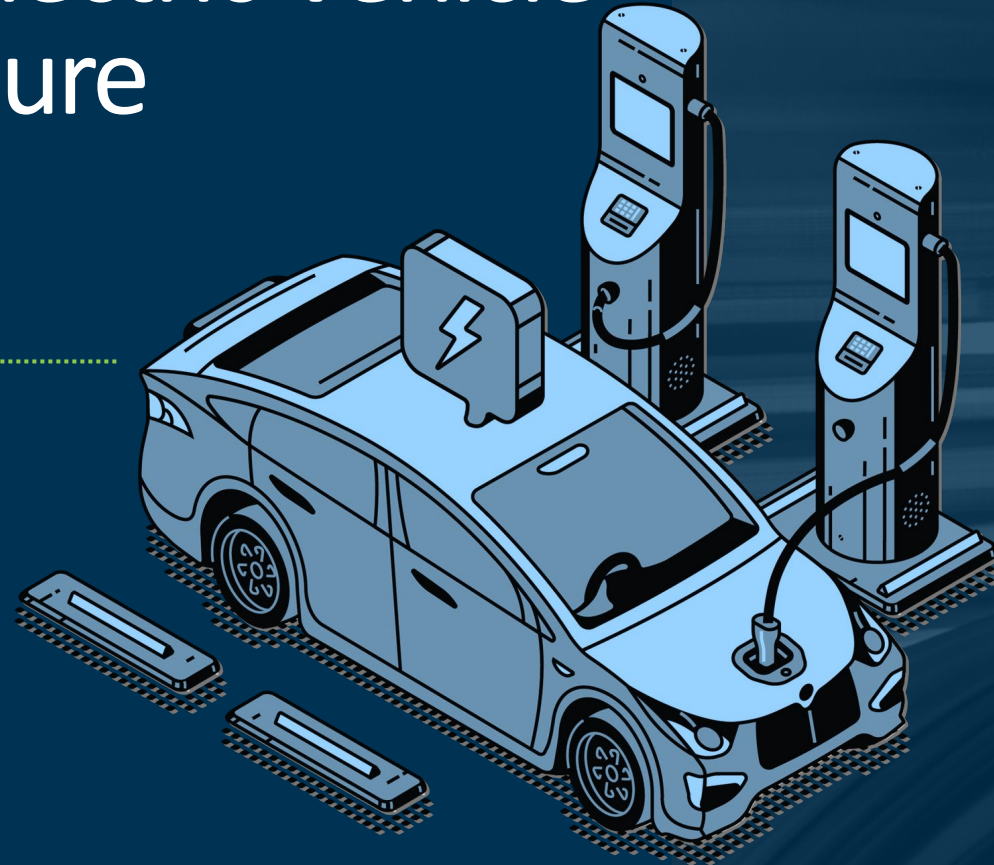


National Electric Vehicle Infrastructure

NIRPC Update

May 19, 2022



2021 Bipartisan Infrastructure Law (BIL) created the NEVI Formula Program

- Goal: create nationwide network of 500,000 EV chargers by 2030
 - *Initial funding is directed to **Alternative Fuel Corridors (AFC)*** to build out the network – especially on the interstate highway system*
 - *Establish minimum standards for EV chargers within 180 days of enactment*
 - *Requires compliance with the Justice40 Initiative***
- Funding:
 - \$7.5B (\$5B formula, \$2.5B discretionary) over 5 years
 - Indiana = \$99,605,738

**The Federal Highway Administration's AFC program recognizes highway segments that have infrastructure (or plans for infrastructure) that support alternative fuel options. To designate these AFCs, FHWA solicits nominations from state and local officials and works with other federal officials and industry stakeholders.*

***Justice40 establishes a goal of at least 40% of the benefits of Federal investment in climate and clean energy infrastructure are distributed to disadvantaged communities*

NEVI Program Schedule



- Alternative Fuel Corridors – Round 6
 - Nominations due on May 13th
 - Alternative Fuel Corridor - Request for Nominations
https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/2022_request_for_nominations_r6.pdf
- Obligation of NEVI formula funding requires state EV Infrastructure Deployment Plan:
 - State plans due August 1, 2022
 - Federal Highway Administration (FHWA) approves by September 30, 2022
 - Plans can be submitted early and will be reviewed/approved on a rolling basis
 - No funding will be released until a state plan is approved
 - States can be reimbursed for creation of the plan (reasonable and necessary staffing included)
 - NEVI Plan Template <https://driveelectric.gov/technical-assistance/>



NEVI – Key Requirements for Charging Stations

- EV charging infrastructure must be located every 50 miles along State's interstate highway system, within 1 mile of the Interstate
- EV charging infrastructure must include at least four 150KW Direct Current (DC) Fast Chargers
- Rest areas are not eligible locations
- States are allowed to contract with private entities for installation, operations and maintenance



NEVI Implementation Plan



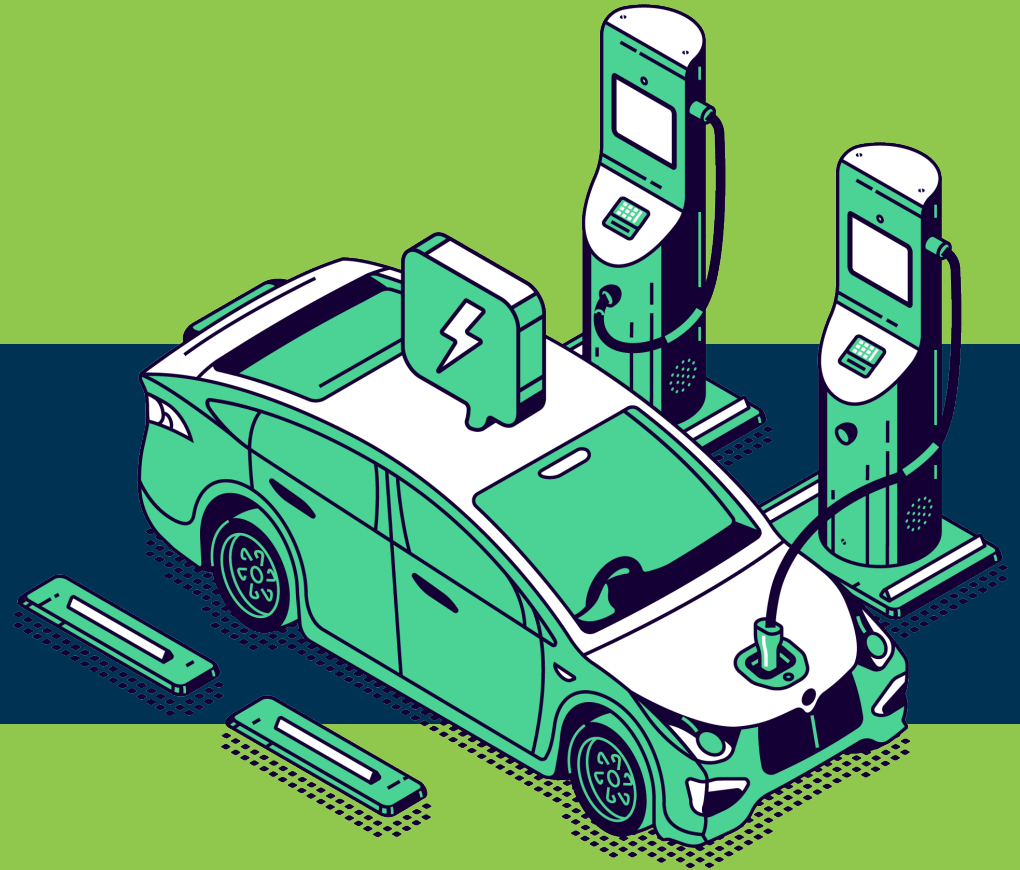
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INDIANA



Chapter	Title
1	Introduction
2	State Agency Coordination
3	Public Engagement
4	Plan Vision and Goals
5	Contracting
6	Existing and Future Condition Analysis
7	EV Charging Infrastructure Deployment
8	Implementation
9	Civil Rights
10	Equity Considerations
11	Labor and Workforce Considerations
12	Cybersecurity
13	Program Evaluation
14	Discretionary Exceptions



INDOT NEVI Implementation Plan



Review existing research

Purdue SPR 4509: *A Strategic Assessment of Needs and Opportunities for Wider Adoption of EVs in Indiana*

Journal of Transportation Technologies: *Analysis of Electric and Hybrid Vehicle Usage in Proximity to Charging Infrastructure in Indiana*

Stakeholder engagement

Request for information

Virtual event(s)

Online survey

In-person meetings

One-on-one meetings (as requested)

Plan development

Map existing research to relevant sections

Identify gaps

Stakeholder engagement results to drive content development

Map existing and planned locations

Workshop with INDOT to finalize plan content

Schedule



FEDERAL SCHEDULE

5/13 AFC
Nominations Due

8/1 NEVI Plans
Final Due Date

March

April

May

June

July

August

STATE SCHEDULE

4/30 IN AFC
Maps and
Nomination Due

5/9 Online Survey
Launches

5/11 Virtual Open
House

6/2 Northern IN
meeting

6/8 Survey closes

6/9 Central IN
meeting

6/14 Southern IN
meeting

6/24 Draft Due*

7/8 Final Due*

7/29 Final V2*
(if needed)

*expected due date



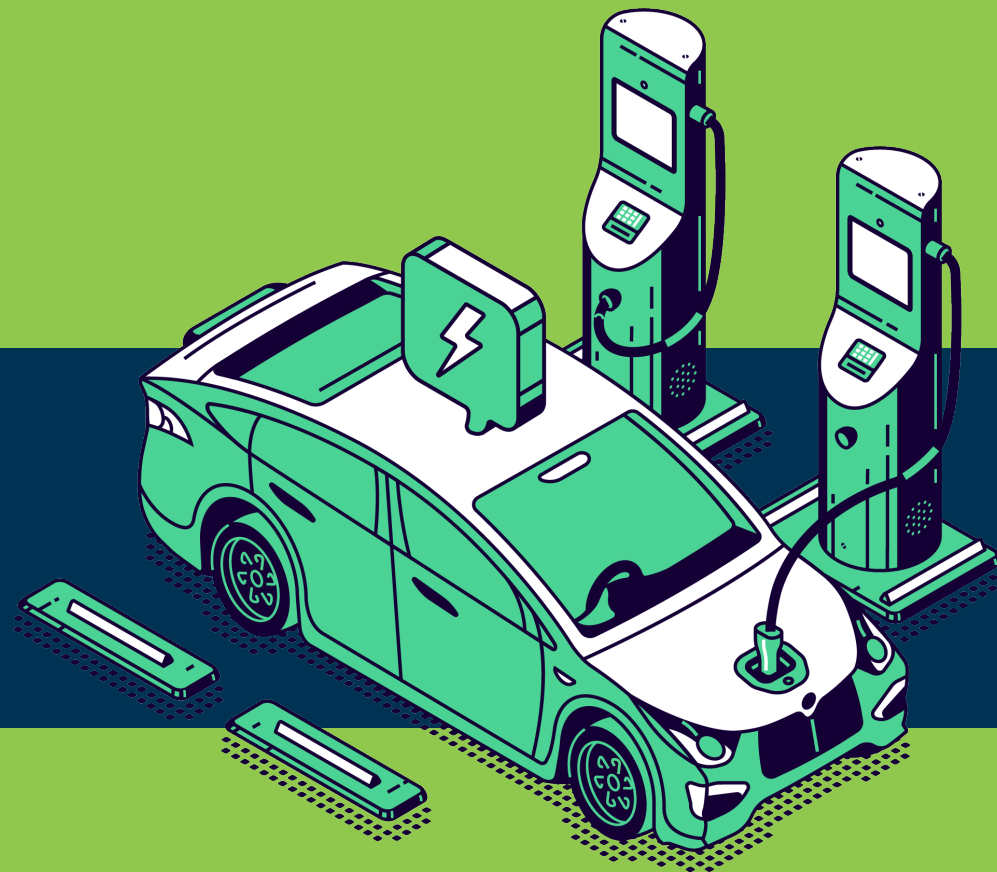
Status of EV Infrastructure in Indiana

- Designated AFCs:
 - All interstates
 - US 31
- Round 6 nominations:
 - I-469
 - I-265
- Purdue Research:
 - SPR 45
 - Journal of Transportation Technologies #11
- VW Settlement funds
 - 40 chargers installed
 - ~61 planned



Source: Indiana Energy Association

Public Engagement



- Gain insight: into market motivations that drive investment and activity into EV charging.
- Gauge the level of interest: in funding opportunities, participation, and engagement with other federal funding sources
- Identify key planning considerations: for EV charging buildout.
- Identify gaps: gauging which communities are likely to be underserved, as outlined by the Justice40 Initiative.
- Assess readiness: where are we at today and where do we need to go to successfully implement EV charging programs.
- Define success: Gain insight into metrics and performance monitoring techniques.
- Clarity on INDOT's role: how can we support implementation?
- Identify unknowns: determine other considerations INDOT should be aware of.

Who are the stakeholders?

HNTB



- General Public:
 - Community-based organizations
 - Grassroots EV chapters
 - Underserved/underrepresented communities
- Government:
 - State agencies
 - General Assembly
 - Metropolitan planning organizations
 - Municipal and county governments
 - Public transit organizations
 - EV Product Commission
 - 21st Century Energy Task Force
 - REV Midwest member states
- Labor Organizations
- Private Sector:
 - Charging providers
 - Original equipment manufacturers
 - Infrastructure and energy alternatives
- Consumer- and Investor-Owned Utilities
- Freight and Logistics
- Academia



Activities to Date

- Request for Information (closed April 29)
- Utility questionnaire (INDOT and OED)
 - Responses due 6/3
- Public survey
 - Responses due 5/27
- Informational webinar hosted on 5/11 (virtual open house)
 - Recording and Q&A be posted to INDOT NEVI web page

HNTB



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State of Indiana

Department of Transportation

Request for Information (RFI)

**Development of Guidance for National Electric Vehicle Infrastructure (NEVI)
Formula Program Deployment**

RFI 2022-1



Upcoming Opportunities

- In-person meetings by region:
 - Northern Indiana – 6/2/22
 - Time 3-5 p.m. ET
 - Location: Plymouth, IN
 - Central Indiana – 6/9/22
 - Time 3-5 p.m. ET
 - Location: Indianapolis, IN
 - Southern Indiana – 6/14/22
 - Time 3-5 p.m. ET
 - Location: Seymour, IN
- Request one-on-one meeting with INDOT



- NEVI Guidance to States - https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf
- NEVI Formula Program - <https://www.fhwa.dot.gov/legsregs/directives/notices/n4510863.cfm>
- Indiana NEVI Guidance - <https://www.in.gov/indot/current-programs/innovative-programs/electric-vehicle-charging-infrastructure-network/>

Scott Manning

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Q & A

