National Electric Vehicle Infrastructure

Virtual Open House

May 11, 2022
Today’s Agenda

Speakers

NEVI Program Overview

Approach and Engagement

Q&A
Speakers

- Scott Manning
  Deputy Chief of Staff
  Indiana Department of Transportation

- Kerri Garvin
  Executive Director
  Greater Indiana Clean Cities, Inc.

- Diane Newton
  National Practice Consultant
  HNTB Indiana
NEVI Program Overview

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

- 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

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Introduction</td>
</tr>
<tr>
<td>2</td>
<td>State Agency Coordination</td>
</tr>
<tr>
<td>3</td>
<td>Public Engagement</td>
</tr>
<tr>
<td>4</td>
<td>Plan Vision and Goals</td>
</tr>
<tr>
<td>5</td>
<td>Contracting</td>
</tr>
<tr>
<td>6</td>
<td>Existing and Future Condition Analysis</td>
</tr>
<tr>
<td>7</td>
<td>EV Charging Infrastructure Deployment</td>
</tr>
<tr>
<td>8</td>
<td>Implementation</td>
</tr>
<tr>
<td>9</td>
<td>Civil Rights</td>
</tr>
<tr>
<td>10</td>
<td>Equity Considerations</td>
</tr>
<tr>
<td>11</td>
<td>Labor and Workforce Considerations</td>
</tr>
<tr>
<td>12</td>
<td>Cybersecurity</td>
</tr>
<tr>
<td>13</td>
<td>Program Evaluation</td>
</tr>
<tr>
<td>14</td>
<td>Discretionary Exceptions</td>
</tr>
</tbody>
</table>
INDOT NEVI Implementation Plan
Approach

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
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
Strategy

- **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?

- **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)
  - Response due 5/13
- Informational webinar (virtual open house)
  - Recording and Q&A will be posted to INDOT NEVI web page
Upcoming Opportunities

- Online Survey (will be released this week)
  - Response due 6/8/22
- In-person meetings by region:
  - Northern Indiana – 6/2/22
    - Time TBD
    - Location: Plymouth, IN
  - Central Indiana – 6/9/22
    - Time TBD
    - Location: Indianapolis, IN
  - Southern Indiana – 6/14/22
    - Time TBD
    - Location: Seymour, IN
- Request one-on-one meeting with INDOT
Resources


- Indiana NEVI Guidance - https://www.in.gov/indot/current-programs/innovative-programs/electric-vehicle-charging-infrastructure-network/
Q & A