NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI) FORMULA PROGRAM
Welcome and thank you for participating in DEQ’s NEVI Formula Program overview & public comment webinar. Please read the following tips about participating in this virtual meeting:

- We are recording the meeting.
- All participants have been automatically muted. Please remain so until called on to speak.
- Use the “raise hand” feature in the app to indicate that you would like to speak.
- If you are called on to speak, please identify yourself by stating your first and last name.
- You may also use the chat box to type your questions.
- Joining by phone?
  - Press *6 to mute/unmute yourself.
  - Press *9 to raise your hand.
- Visit the following link for helpful tips about using Zoom software:
  - [https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-meeting](https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-meeting)

Thank you in advance for your patience, cooperation, and courtesy.
### Battery-Electric Vehicles (BEV’s)
- Runs only on electricity
- Battery sizes vary—Most available models have 150-300 miles of range
- Examples: Tesla, Chevy Bolt, Ford F-150 Lightning

### Plug-in Hybrid Electric Vehicles (PHEV’s)
- Runs on either electricity or gasoline
- Battery sizes and range vary between 20-50 miles
- Examples: Chevy Volt, Ford C-max Energi, Toyota Prius Prime

### Hybrid Vehicles
- Only runs on gasoline
- Battery used to improve fuel economy; reduce idling
- Battery cannot be charged from external source
## Electric Vehicle Charging Station Differences

<table>
<thead>
<tr>
<th></th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3 – DC Fast</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electric Current Type</strong></td>
<td>AC</td>
<td>AC</td>
<td>DC</td>
</tr>
<tr>
<td><strong>Voltage</strong></td>
<td>120V</td>
<td>240V</td>
<td>480V</td>
</tr>
<tr>
<td><strong>Charging Time</strong></td>
<td>2 to 5 miles of range per 1 hour of charging</td>
<td>10 to 20 miles of range per 1 hour of charging</td>
<td>60 to 80 miles of range per 20 minutes of charging</td>
</tr>
<tr>
<td><strong>Primary Use</strong></td>
<td>Residential</td>
<td>Residential/Commercial</td>
<td>Commercial</td>
</tr>
<tr>
<td><strong>Cost per unit</strong></td>
<td>$0-$1500</td>
<td>$500-$20,000</td>
<td>$20,000-$120,000</td>
</tr>
<tr>
<td><strong>Connector Types</strong></td>
<td>J1772</td>
<td>J1772</td>
<td>CCS Combo</td>
</tr>
</tbody>
</table>
Infrastructure Investment & Jobs Act Funding

- Recently passed Infrastructure Investment and Jobs Act (IIJA) includes $7.5 billion for EV charging stations
- $5 billion for National Electric Vehicle Infrastructure (NEVI) Formula Program
  - Montana will receive about $43 million over 5 years in Formula funds
  - Purpose is to help support a convenient, affordable, reliable, and equitable national EV charging network
  - Funds will initially be for locations on FHWA designated EV corridors
  - Focus on “rural” areas and underserved communities
- $2.5 billion for EV community grant funds
National Electric Vehicle Infrastructure (NEVI)

Formula Program Timeline

Nov. 15, 2021 – Bipartisan Infrastructure Law signed by President Biden

Feb. 10, 2022 – FHWA releases guidance & request for corridor nominations

May 13, 2022 – FHWA releases additional minimum standards guidance

August 1, 2022 – States submit EV Infrastructure Deployment Plans to Joint Office of Energy & Transportation

Sept. 30, 2022 – FHWA approves plans or notifies state DOTs if changes are needed

If approved, state DOTs deploy EV charging infrastructure through the use of NEVI Formula Program funds.

Joint Office of Energy & Transportation
https://driveelectric.gov/technical-assistance/
EV Deployment Plan

• Must be submitted to FHWA by August 1, 2022
• Plans must be approved by FHWA before NEVI funds can be spent
• DEQ’s Energy Office, working with MDT, will develop the Plan
• Key outreach efforts will include:
  • Webinar with overview of NEVI & public comments for Montana’s Plan
  • Public Survey
  • Direct stakeholder outreach
EV Deployment Plan cont...

- Montana will receive an estimated $43M over 5 years through NEVI
  - Montana’s 1st allocation is approximately $6.3M
- Plan will incorporate public & stakeholder input on how State should prioritize corridors, locations, station requirements, safety/security, workforce development, and planning for the future
- Once the Plan is approved, funding can be obligated, likely through a competitive Request for Applications process
  - The Deployment Plan will inform details of the RFA
FHWA Electric Vehicle “Pending” Corridors

Entire length of:
- I-15
- I-90
- I-94
- U.S. Hwy 93
- U.S. Hwy 2

Map of all existing Alternate Fuel Corridors in the U.S.
https://driveelectric.gov/resources/
## Location & Charging Station Eligibility Requirements

<table>
<thead>
<tr>
<th>Stations</th>
<th>Locations</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCFC provides 150 kW of power to single vehicle</td>
<td>Publicly available 24/7</td>
<td>Achieve level of reliability of 97% or above</td>
</tr>
<tr>
<td>DCFC has CCS plugs</td>
<td>No further than 50 miles apart</td>
<td>Operated &amp; maintained in the same location for no less than 5 years</td>
</tr>
<tr>
<td>Location has 4 DCFC chargers that can charge 4 EVs simultaneously</td>
<td>Within 1 mile of travel corridor &amp; ¼ mile of amenities</td>
<td></td>
</tr>
</tbody>
</table>

*More minimum standard guidance to come from FHWA by May 13, 2022*
Developing the EV Deployment Plan

• Who can provide input on the Deployment Plan?
  • Any interested Montana individual or entity should participate in the process to develop Montana’s EV Deployment Plan
  • Visit DEQ’s website to fill out the Public Survey or sign up for e-mail updates
• Plan will include efforts for public engagement, analysis of existing & future conditions, goals & vision, implementation of the NEVI Program, cybersecurity plans

DEQ’s Alternative Fuels & Transportation page:
https://deq.mt.gov/energy/Programs/fuels
Developing the EV Deployment Plan

• Key areas for public input for the Deployment Plan:
  • Should the State prioritize certain corridors or locations?
  • Should charging locations have different requirements than the minimum federal guidelines? Faster and more chargers? Renewable energy, storage, and future-proofing?
  • What challenges do electric vehicle drivers face in Montana and how can this funding address those issues?
  • What safety features should be required?

The Public Survey is posted at https://deq.mt.gov/energy/Programs/fuels
Contacts

Neal Ullman
406.444.6582
Neal.ullman@mt.gov

Kyla Maki
406.444.6478
kmaki@mt.gov

Carol Strizich
406.444.9240
cstrizich@mt.gov

https://deq.mt.gov/energy/Programs/fuels
Public Comment

• Staff will not respond to comments but may provide clarifications to comments

• Public comments from today’s webinar will be considered in development of the Plan

• Public comments may also be provided through the Public Survey
  • Responses to the Survey will be accepted until June 30, 2022

Use the raise your hand function & unmute if you have a question. If you joined by phone, press *9 to raise your hand & *6 to unmute. Please say your first & last name before asking your question.

The Public Survey is posted at https://deq.mt.gov/energy/Programs/fuels