National Electric Vehicle Infrastructure (NEVI) Formula Program

DEQ MONTANA ENERGY OFFICE

MONTANA Department of Transportation

LOGISTICS

ZOOM MEETING SETUP

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

Thank you in advance for your patience, cooperation, and courtesy.

Electric Vehicle Terms

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

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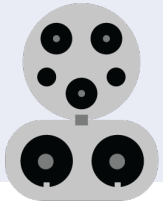
Electric Vehicle Charging Station Differences

	Level 1	Level 2	Level 3 – DC Fast
Electric Current Type	AC	AC	DC
Voltage	120V	240V	480V
Charging Time	2 to 5 miles of range per 1 hour of charging	10 to 20 miles of range per 1 hour of charging	60 to 80 miles of range per 20 minutes of charging
Primary Use	Residential	Residential/ Commercial	Commercial
Cost per unit	$0-$1500	$500-$20,000	$20,000-$120,000
Connector Types	 J1772	 J1772	 CCS Combo  CHAdeMO  Tesla

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

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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.

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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

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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

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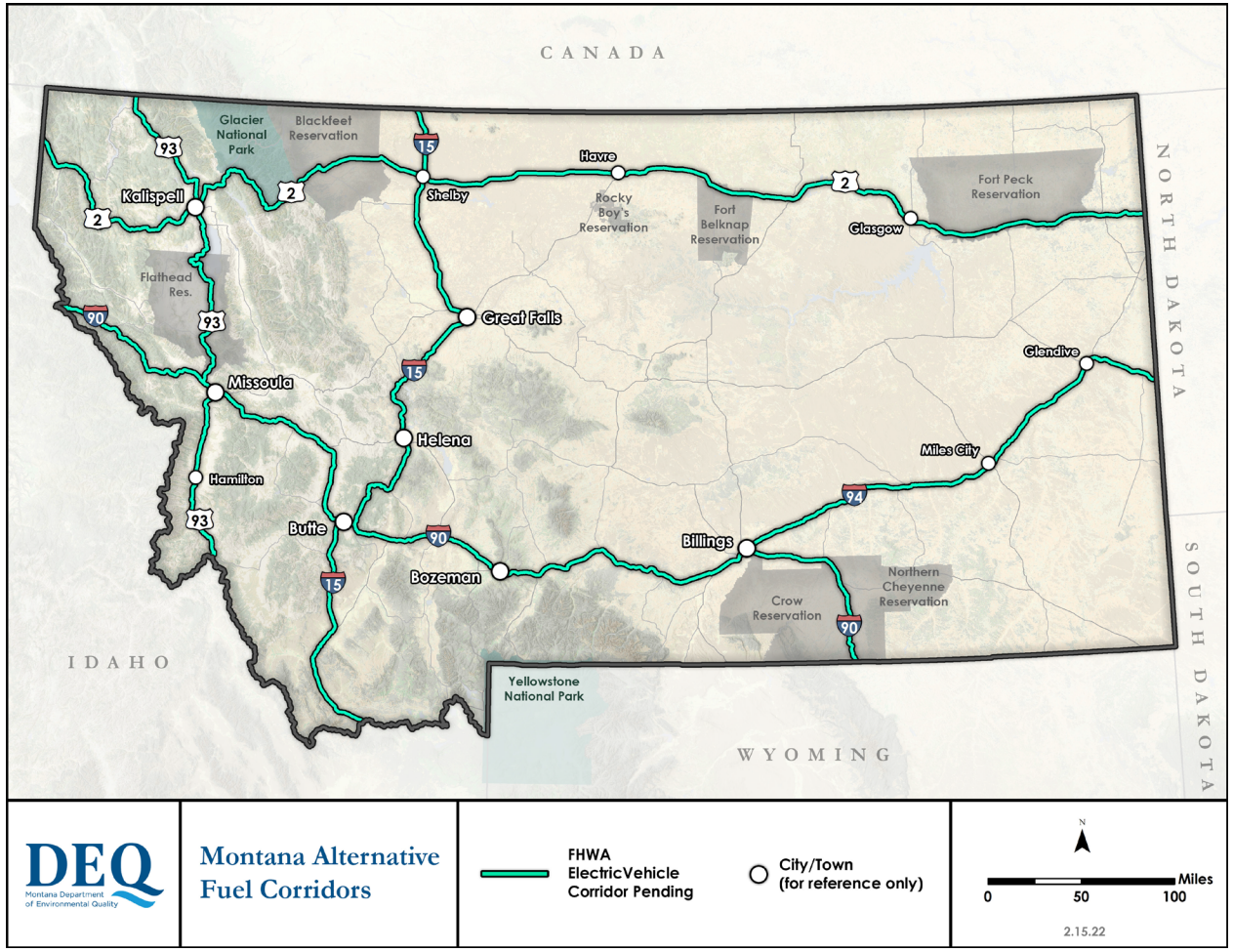
FHWA Electric Vehicle “Pending” Corridors



Corridors

Entire length of:

I-15

I-90

I-94

U.S. Hwy 93

U.S. Hwy 2

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Map of all existing Alternate Fuel Corridors in the U.S.
https://driveelectric.gov/resources/

Location & Charging Station Eligibility Requirements

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

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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

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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?

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

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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.

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