

Washington State Electric Vehicle Infrastructure Deployment Plan for NEVI 2023 Update

Tonia Buell
Alternative Fuels Program Manager
Washington State Department of Transportation

Midsummer AFV-TAG Meeting
July 20, 2023

Overview of NEVI Program

National Electric Vehicle Infrastructure (NEVI) Program authorized through IIJA

\$5B NEVI formula funds to state DOTs to build out a network of EV chargers along interstate highways
\$2.5B FHWA Charging and Fueling Infrastructure (CFI) competitive grants

WSDOT's portion of NEVI formula funds totals: \$71M over 5 years, Must provide 20% non-federal match.

| | |
|-------|---|
| FY 22 | \$ 10,489,110 (unlocked with initial Plan approval) |
| FY 23 | \$ 15,093,948 (unlocked with initial Plan approval) |
| FY 24 | \$ 15,094,052 (to be unlocked with 2023 Plan Update approval) |
| FY 25 | \$ 15,094,065 |
| FY 26 | <u>\$ 15,094,096</u> |
| Total | <u>\$ 70,865,271</u> |

Funds do not expire!

NEVI Program Requirements

Goals:

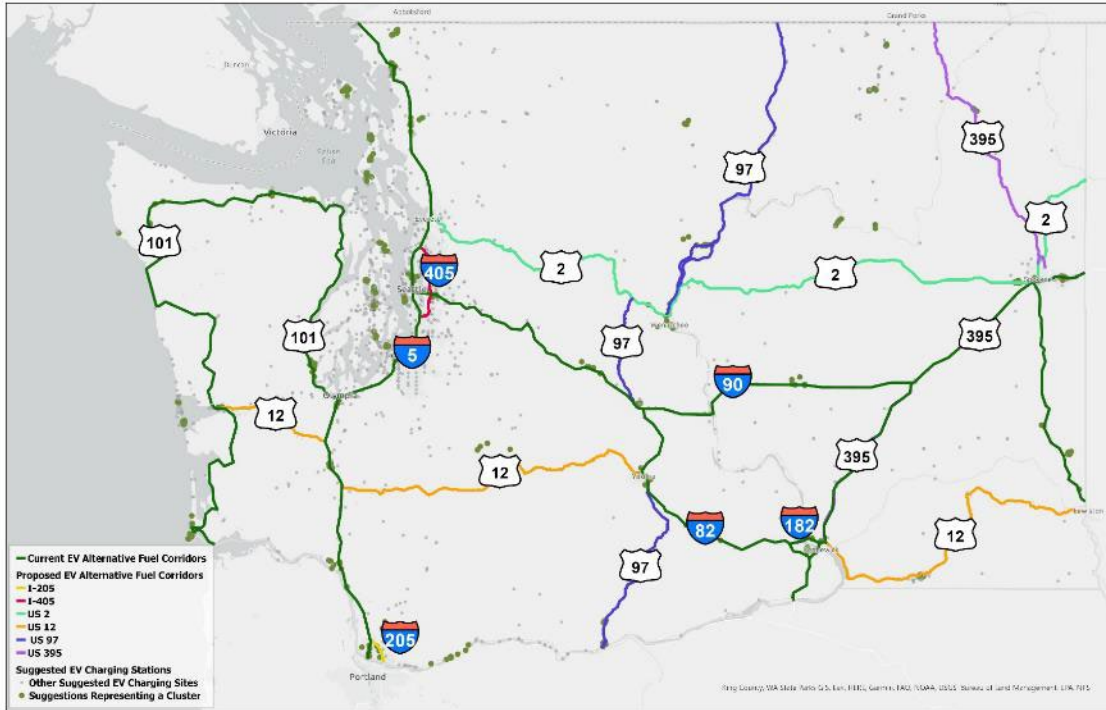
- Put the U.S. on the path to a network of 500,000 EV chargers.
- Support the [Justice40](#) Initiative, at least 40% of the benefits of federal investments in climate and clean energy infrastructure are distributed to disadvantaged communities.
- Accelerate the adoption of EVs.
- Reduce greenhouse gas emissions.
- Help the U.S. lead global transportation electrification efforts.
- Build out alternative fuel corridors.

WSDOT does not plan to own or operate the network and is contracting for the acquisition, installation, operation and maintenance of EV charging stations through a competitive bidding process. Private partners are eligible.

Requirements:

- Four 150kW CCS DCFC per site, Site power capability no less than 600 kW
- Installed no more than 50 miles apart along designated Alternative Fuel Corridors
- Located within 1 mile of highway
- Must first fully build out FHWA National [Alternative Fuel Corridors](#)

National Alternative Fuel Corridors for Electric Vehicle Charging



Nationally Designated Electric Vehicle Charging Corridors:

I-5
I-82
I-90
US 101
US 195
US 395 (south of Spokane)

Nominated Electric Vehicle Charging Corridors:

I-205
I-405
I-705
US 2
US 12
US 97
US 395 (north of Spokane)

U.S. Joint Office of Energy and Transportation (JOET)

A modernized and interagency approach to support the deployment of zero-emission, convenient, accessible, equitable transportation infrastructure

JOET Website: <https://driveelectric.gov>

EV charging projects developed under the NEVI Formula Program and CFI Discretionary Grant Program must comply with the:

- [Minimum standards](#) for federally funded EV charging infrastructure projects
- [Build America, Buy America](#) implementation plan for EV charging equipment.

States DOTs to use:

- [Guidance for states](#) from the Federal Highway Administration, *updated 6/2/2023*
- [State plan template](#) recommended for developing or updating a plan, *updated 6/2/2023*

Resources and technical assistance to inform the smart, equitable, and grid-aware planning of EV infrastructure: <https://driveelectric.gov/resources/>

NEVI Draft Schedule

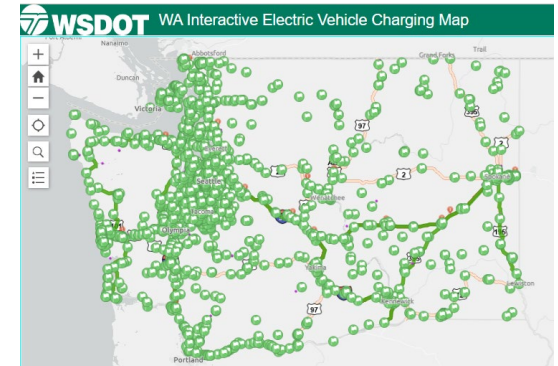
| Milestone | Timeline |
|---|--------------------|
| WSDOT Submits Initial Plan to FHWA | July 29, 2022 |
| FHWA Approves WA State Plan and unlocks funding FY 2022 and FY 2023 funding | September 14, 2022 |
| FHWA Finalizes NEVI Standards & Requirements | February 28, 2023 |
| JOET Releases Updated Guidance for NEVI Plans | June 2, 2023 |
| Deadline for FY 2024 State Plan Updates | August 1, 2023 |
| FHWA Approves State Plan Updates | September 31, 2023 |
| WSDOT hires NEVI Contracts Manager | Fall 2023 |
| WSDOT issues RFI/draft RFP to gather stakeholder input | Winter 2023/24 |
| WSDOT releases first competitive solicitation | 2024 |

NEVI Plan Vision:

All residents and visitors to have the ability to use an electric vehicle and find convenient, affordable, reliable, equitable, and accessible charging stations.

Community Engagement Links:

- State [NEVI](#) Plan webpage
- [Interactive map](#) to suggest charging station locations
- [Interagency Electric Vehicle Coordinating Council](#)
- Washington State [Transportation Electrification Strategy](#)



Washington's NEVI Plan Goals

- **Continuity:** Fill gaps in the EV infrastructure network.
- **Alternative Fuel Corridors:** Certify existing and identify future roadways
- **Equitable Charging Infrastructure:** Prioritize economically disadvantaged and rural communities.
- **Equity and Innovation in Contracting:** Contracting will be conducted in away to ensure resources are expended equitably and to award innovative approaches to implementation.
- **Plan support:** Prioritize and build in collaboration with public organizations, in support of local/regional plans.
- **Resiliency & Reliability:** Where possible, provide multiple charging options, with capacity to meet future demand for EV infrastructure. Establish plans for operations, maintenance, and emergency response.
- **Accessibility:** Easy to locate and use EV infrastructure at any point along the corridor. ADA and Universal Design considerations.
- **EV Adoption:** Reach 500,000 electric vehicle registrations by 2027 (may revise based on TES).

Equity Considerations – Justice40

- Identify Disadvantaged Communities (DACs)
 - Transportation access disadvantage
 - Health disadvantage
 - Environmental disadvantage
 - Economic disadvantage
 - Resilience disadvantage
 - Equity disadvantage
- Measure benefits DACs
- Determine goals to address equity
- Abide by HEAL Act
- Enable EV ownership by installing EV chargers in charging deserts.
- Provide clean transportation mobility systems and transportation access
- Improve public health by reducing local transportation emissions.
- Foster business opportunities through attracting customers to locally-owned businesses.
- Increase the clean energy job pipeline and creating workforce opportunities in conjunction with job training.
- Enhancing community energy resiliency, decarbonization, and diversification.

Justice40 initiative: <https://www.transportation.gov/equity-Justice40>

Requirements for NEVI 2023 State Plan Update

Using template:

- Identify modifications made since the prior year's Plan approval.
- Report on Community Engagement Outcomes from initial state plan.
- Provide contracting status (awards, scoring methods, plan for requirement compliance).
- Map Alternative Fuel Corridor (AFC) Designations and Nominations from with list of existing EV charging stations along AFCs.
- Update Equity Considerations.
- Update Labor and Workforce Considerations.

2023 State Plan Update

To meet requirements, WSDOT to:

- Incorporate progress standing up IEVCC, executive committee, 25-member advisory committee, state agency staff workgroup, and policy workgroups.
- Highlight the state's Transportation Electrification Strategy development.
- Reference technical assistance from JOET, FHWA, AASHTO, NASEO, National Labs.
- Include Alternative Fuel Corridor (AFC) Round 7 Nominations.
- Describe highway corridor funding plan—NEVI for interstates and US highways and ZEVIP for state routes.
- Ensure equity and labor and workforce considerations sections align with TES.

THANK YOU

For more information, visit:

wsdot.wa.gov/construction-planning/statewide-plans/national-electrical-vehicle-infrastructure-plan