

ZERO-EMISSION VEHICLE INFRASTRUCTURE PARTNERSHIP PROGRAM

23-25 GRANT GUIDELINES

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March 9, 2023

HOUSEKEEPING

- This session is being recorded
- Participants are currently muted
- Participant attendee list will be posted to ZEVIP website
- GoToWebinar panel
 - Attendee list
 - Grab tab: open/close control panel, square to toggle view mode, hand icon to raiser / lower hand, mic icon to mute / unmute
 - Audio pane
 - Question pane
 - Type question, hit send
 - Webinar details



AGENDA

- Welcome and housekeeping
- Statewide perspective
 - NEVI, IEVCC, ZEV-MFT
- ZEVIP grant program guidelines
- Questions and answer period
 - Questions can be submitted in the question box
 - Participants can raise their hand after the presentation
 - Q/A posted to ZEVIP website by 3/31



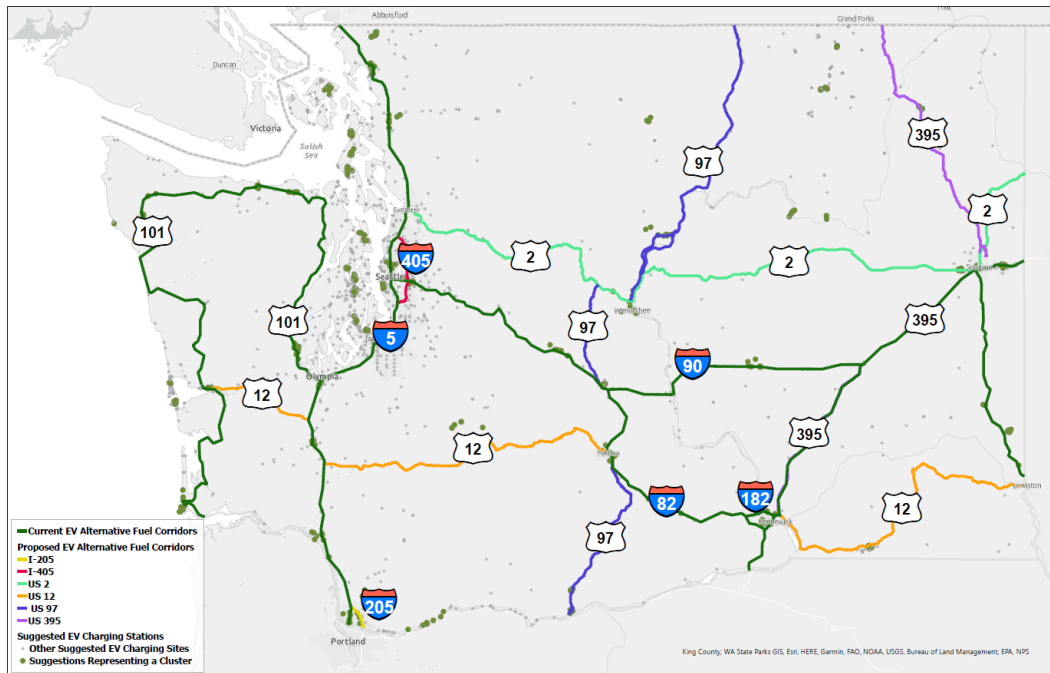
NATIONAL EV INFRASTRUCTURE (NEVI) FORMULA PROGRAM

\$5B FHWA Formula to state DOTs
WA's portion is \$71M total over 5 years.

Project requirements – recently published

Minimum of four 150kW CCS DCFC per site
Site power capability no less than 600 kW
50 miles apart along designated Alternative Fuel Corridors,
within 1 mile of highway
WA: Interstates, US routes

Washington State Plan for EV Infrastructure Deployment
Approved September 2022, Annual Updates
State agency coordination
Public engagement
Vision and goals
Infrastructure deployment plan
Equity considerations
Labor and workforce



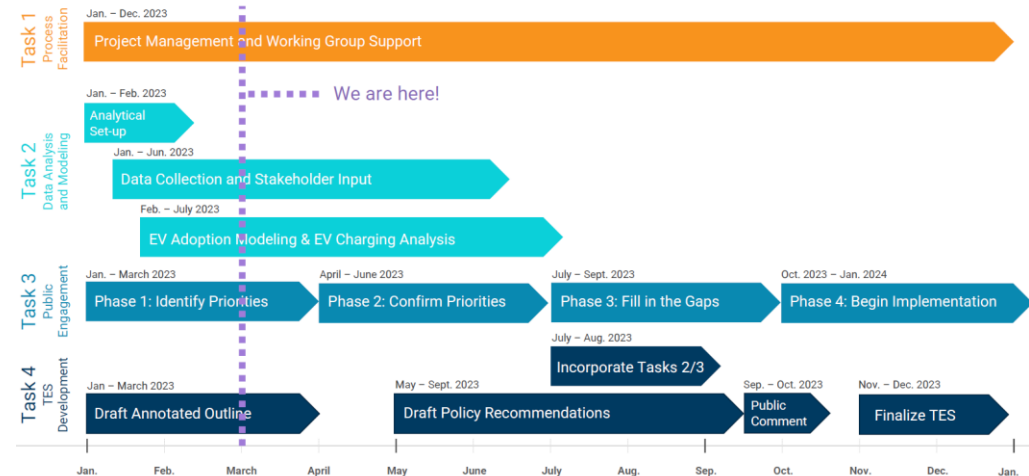
State plan / NEVI distribution list: [Washington State Plan for Electric Vehicle Infrastructure Deployment | WSDOT](#)
Joint Office: [Home Page · Joint Office of Energy and Transportation \(driveelectric.gov\)](#)

INTERAGENCY EV COORDINATING COUNCIL

- Created in 2022 as part of 16-year, \$17 billion Move Ahead Washington transportation package
- Representatives from 10 state agencies
 - Commerce, WSDOT co-chair
- Tasks include:
 - Developing a statewide Transportation Electrification Strategy in 2023
 - Coordinate EV related funding
 - Engagement and outreach

- Council Activities
 - Executive Committee
 - Advisory Committee
 - Working groups
 - Contracted with RMI

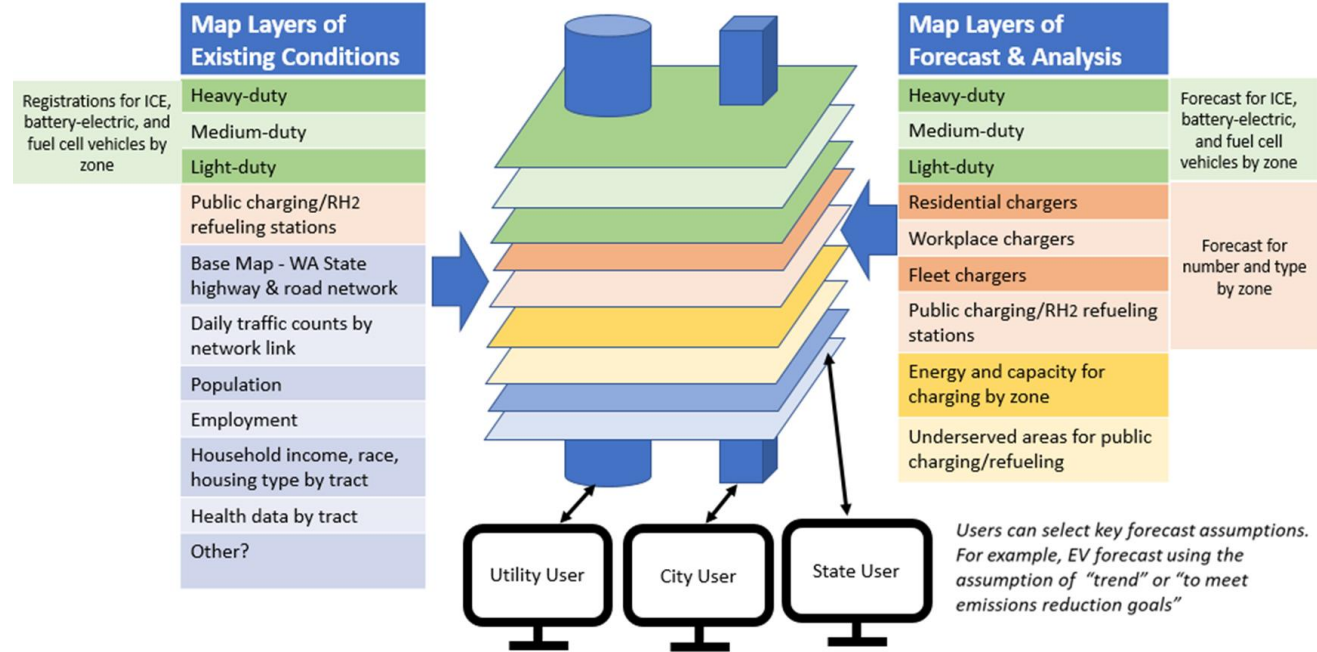
[EV Coordinating Council - Washington State Department of Commerce](#)



IMPLEMENT ZEV INFRASTRUCTURE MAPPING AND FORECASTING TOOL

HB 1287: Zero-Emission Vehicles - Preparedness for a Zero Emissions Transportation Future

WSDOT, in consultation with Ecology, Commerce, and the office of Equity, must develop and maintain a publicly-available mapping and forecasting tool that provides locations and essential information of charging and refueling infrastructure to support forecasted levels of EV adoption, travel, and usage across Washington.



ZEVIP GRANT SUMMARY

- **Approximately \$3 million in reimbursable grant funding**
 - Install direct current fast charging stations
 - Install hydrogen refueling infrastructure
- **Corridor focus**
 - Seeking projects to complete corridors, segments of corridors, or fill gaps
- **Eligible applicants**
 - Nonprofit organizations
 - Tribes
 - Governmental agencies
- **Grant timeline**
 - Questions due by March 20
 - Applications due by May 11
 - Projects operational by June 30, 2025
 - Final biennium of funding



23-25 ZEVIP UPDATES

- Reduced funding
- Applicant input from 21-23 round
- Revised Investment Strategy
 - Reduced EV corridors
 - Eliminated bundle
 - Eliminated upgrades
 - Match
- Criteria Adjustment
 - HEAL Act, Benefits criteria
 - Simplified scoring scale
- Minimum project criteria
 - Revised to reflect national standards
- 21-23 Projects currently underway
 - Modernizing the 12 original west coast electric highway sites
 - 3 stations along the Cascade loop scenic byway
 - 5 stations supporting west Puget Sound ferry routes
 - 2 stations supporting corridor travelers in Kent and Renton

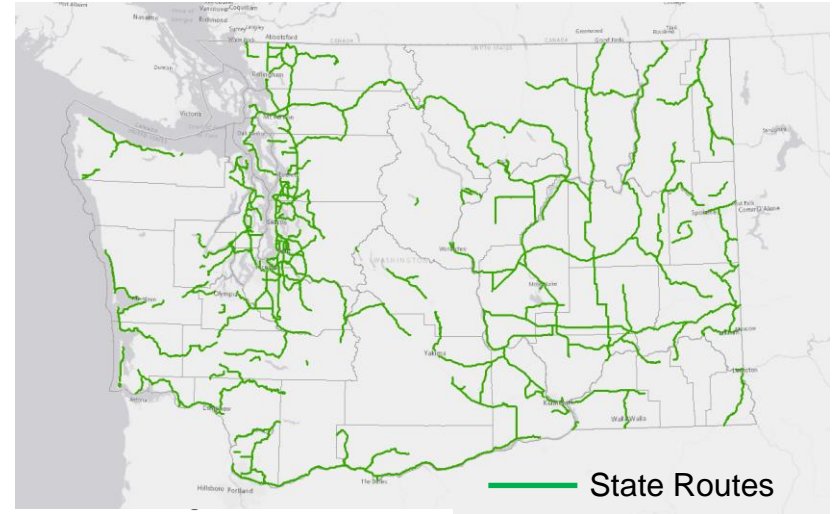
AVAILABLE FUNDING

- **Approximately \$3 million in reimbursement grant funding**
 - Appropriation subject to change
 - Finalized in 23-25 budget
- **No minimum / maximum award**
- **No limit on number of applications**
- **Anticipated allocation**
 - Majority to new EV charging stations
 - Up to 30% hydrogen fueling
- **Match not required**
 - Projects with match score higher

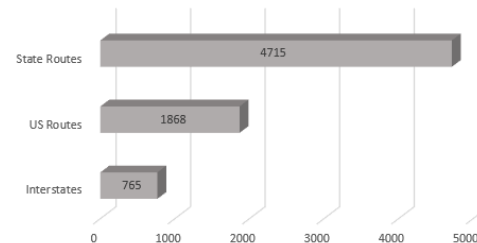


CORRIDOR FOCUS

- **ZEVIP prioritizes projects that:**
 - Complete corridors
 - Segments of corridors
 - Fill gaps of existing corridors
- **Priority corridors**
 - EV: State routes
 - H2: Interstates, US routes, and State routes
- **Stations located at key intervals**
 - EV: 50 miles, within 1 travel mi
 - H2: 150 miles, within 5 travel mi
- **One application per corridor**
 - May include travel corridor



Washington State Highway Corridor Lengths (Miles)



ELIGIBLE APPLICANTS

- **Incorporated nonprofit organizations**
- **Tribal governments**
- **Governmental agencies**
 - State agencies
 - Counties, cities, towns, ports
 - Public utility districts
 - Special purpose districts
- **Private public partnership**
 - Applicants must partner with a business that stands to gain indirect value from the project
 - Registered to do business in the state of Washington
- **Private partner examples**
 - Investor-owned utilities
 - Automakers and dealers
 - EV equipment manufacturers and service providers
 - Retail chains, fueling stations, shopping centers
 - Tourist destinations
 - Commercial real estate owners



ELIGIBLE PROJECTS

New installations of EV charging infrastructure

For example, new direct-current, fast-charging stations with at least four combined charging system (CCS) ports, supporting at least 150 kW per port simultaneous charging.

New installations of hydrogen refueling infrastructure

For example, new open retail hydrogen refueling station with a minimum of two Society of Automotive Engineers (SAE) International J2601 H70-T40 light-duty fueling positions.



ELIGIBLE COSTS

- Personnel costs for site design, site preparation, and installation
- Equipment and materials necessary for construction
- Maintenance for term of agreement
- Warranty costs for up to five years
- Electrical service connection and upgrades
- Signage
 - EVSE contract 04016



PROJECT REQUIREMENTS (ALL)

- Publicly accessible site
- ADA compliance
- Private sector partner
- Own/lease site
- Operational by June 30, 2025
- Operate and maintain for 5 years
- MUTCD signage plan
- Submit station performance data
- Key corridor intervals
 - EV: 50 mi, w/in 1 travel mi
 - H2: 150 mi, w/in 5 travel mi



PROJECT REQUIREMENTS (EV)

- **New installations**
 - At least four 150 kW networked direct current fast charging CCS ports
 - Ability to simultaneously charge all ports (600 kW)
- **Support multiple point of sale methods**
 - Include a chip and tap reader
- **Interoperability**
 - OCPI and OCPP standards
- **Data Reporting**
 - Power usage, uptime



PROJECT REQUIREMENTS (H2)

- Minimum of two light duty fueling positions
- Designed, constructed, and operated in accordance with latest standards
 - SAE J2601 fueling protocols
- H2 consistent with SAE J2719
- Hydrogen safety panel review
 - 30 % Design
 - Safety Plan
 - Hazard and operability study (HAZOP)



APPLICATION FORMAT

- One application per corridor
- Submittal format Word or PDF, not to exceed 30 pages
- Application elements
 - Applicant information and project summary
 - Project narrative
 - Location / corridor
 - Implementation / O&M plan
 - Budget
 - Benefits
 - Readiness
 - Team experience
 - Innovation and sustainability
 - Equipment



EVALUATION CRITERIA

- **Location and corridor (20 points)**
 - Stations located at key intervals
 - Accessible, customer friendly
 - Supports local/regional plans
- **Budget (15 points)**
 - Demonstrated need
 - Reasonable ask relative to benefits
 - Match funds
- **Benefits (15 points)**
 - Economic
 - Disadvantaged communities
 - Air quality
- **Implementation / O&M plan (20 points)**
 - Customer support
 - O&M plan
 - Signage plan
- **Team experience (10 points)**
 - Qualifications
 - Expertise



EVALUATION CRITERIA CONT.

- **Readiness (10 points)**
 - Site control or access
 - Permitting timelines
- **Innovation and sustainability (5 points)**
 - Advanced features
 - Business model enhances viability
 - Renewable energy integration
- **Equipment (5 points)**
 - Necessary and appropriate
 - Payment options
 - Multiple options



SCHEDULE

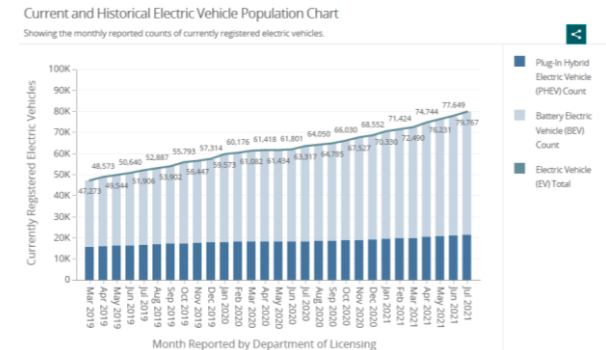
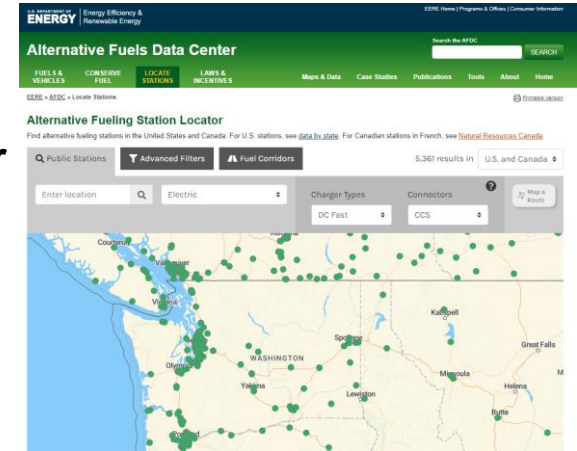
Activity	Date	Time
Notice of funding opportunity	March 3	
Prospective applicant webinar	March 9	9:00 – 11:00 am
Questions due	March 20	5:00 p.m.
Q&A, amendments published	March 31	
Applications due	May 11	5:00 p.m.
Notice of proposed awards	June 23	
Grant agreements finalized	July 3	
Final reimbursement	June 30, 2025	

RESOURCES

- **ZEVIP grant website:** WSDOT > Business with WSDOT > Grants > ZEV Grants
 - <https://wsdot.wa.gov/business-wsdot/grants/zero-emission-vehicle-grants/zero-emission-vehicle-infrastructure-partnerships-grant>
 - Home to guidelines, amendments, program notices
- **WSDOT ZEV distribution list:** WSDOT > Sign up for email or text updates
 - <https://public.govdelivery.com/accounts/WADOT/subscriber/new>
- **WSDOT GeoPortal**
 - <https://www.wsdot.wa.gov/data/tools/geoportal/>
 - Maps, milepost values
- **WSDOT Traffic Count Database System**
 - <https://wsdot.public.ms2soft.com/tcds/tsearch.asp?loc=Wsdot&mod=TCDS>
 - AADT by community, road, year

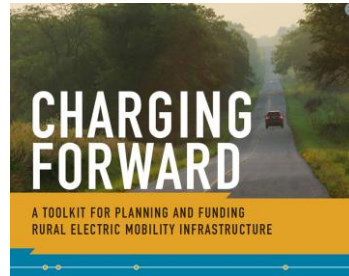
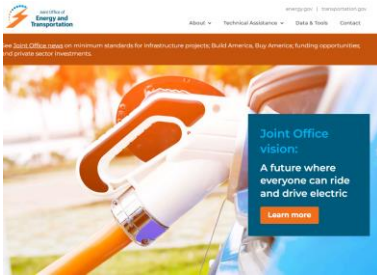
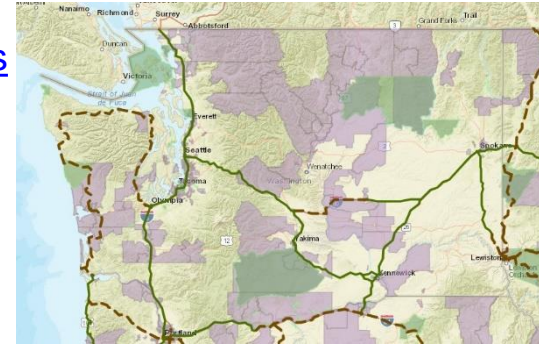
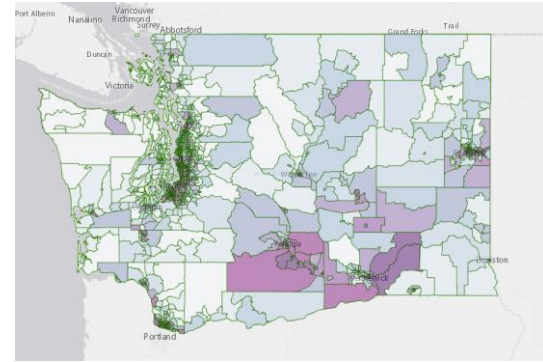
RESOURCES

- **U.S. Department of Energy - Alternative Fuels Data Center**
 - <https://afdc.energy.gov/stations/#/find/nearest>
 - Public station locator map
 - EV related laws, incentives
- **WSU Green Transportation Program**
 - <https://www.energy.wsu.edu/GreenTransportationProgram.aspx>
 - Mailing list, webinars, policy updates, funding updates
- **Washington State Department of Licensing datasets**
 - <https://data.wa.gov/Transportation/Electric-Vehicle-Population-Data/f6w7-q2d2>
 - EV population maps by ZIP code, County, model
 - <https://data.wa.gov/Transportation/Electric-Vehicle-Title-and-Registration-Activity/rpr4-cgyd>
 - EV title and registration activity



RESOURCES

- **Washington State Department of Health, Environmental Health**
 - <https://doh.wa.gov/data-and-statistical-reports/washington-tracking-network-wtn/washington-environmental-health-disparities-map>
 - Environmental exposures, sensitive populations, socioeconomic factors
- **Joint Office of Energy and Transportation**
 - <https://driveelectric.gov/>
 - Network and environmental data, modeling tools, equity and climate impact tools, rural EV toolkit, Justice40 map tool
 - <https://www.anl.gov/esia/electric-vehicle-charging-equity-considerations>



Framework Version 1.1

Thank you

QUESTION SESSION

- Type questions into question box, hit send
- Raise hand and unmute when called upon
- All questions will be collected and posted with responses to the ZEVIP by March 31

