

ZERO-EMISSION VEHICLE INFRASTRUCTURE PARTNERSHIP PROGRAM

GRANT GUIDELINES

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March 25, 2022

HOUSEKEEPING

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

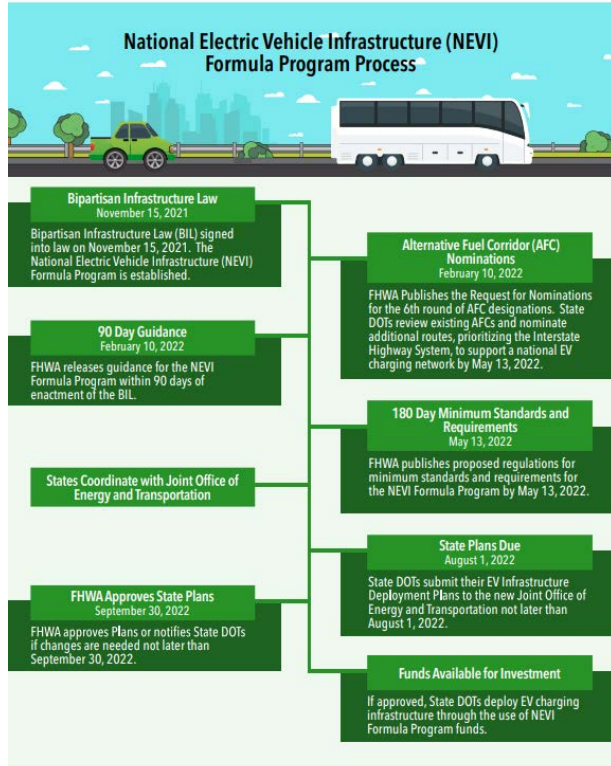


AGENDA

- Welcome and introductions
- Statewide update
 - NEVI, IEVCC, ZEV mapping and forecasting tool
- 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 4/8
- Closing and next steps



NATIONAL EV INFRASTRUCTURE (NEVI) FORMULA PROGRAM



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

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

Eligible Activities:

- Acquisition or installation of EV charging infrastructure.
- Operating assistance (not to exceed 5 years)
- Installation of traffic control devices & signs
- Development phase activities
- Mapping and analysis activities

Must first build out National EV Charging Corridors.
WA: I-5, I-82, I-90, US 101, US 195, US 395

FHWA standards & requirements by May 13, 2022
Nominations for additional Alt. Fuel Corridors May 13, 2022
State Deployment Plan due by August 1, 2022

CREATION OF INTERAGENCY EV COORDINATED COUNCIL

SB 5974, Section 428 directs creation of an Interagency EV Coordinating Council (IEVCC), jointly led by Commerce and WSDOT

Participating agencies include:

- OFM
- Ecology
- DES
- SEEP
- Agriculture
- Health
- UTC
- OSPI student transportation
- Other

Commerce & WSDOT to assign staff in each agency to lead the council's coordination work and provide ongoing reports to the governor and the transportation, energy, economic development, and other appropriate legislative committees.

IEVCC Responsibilities include:

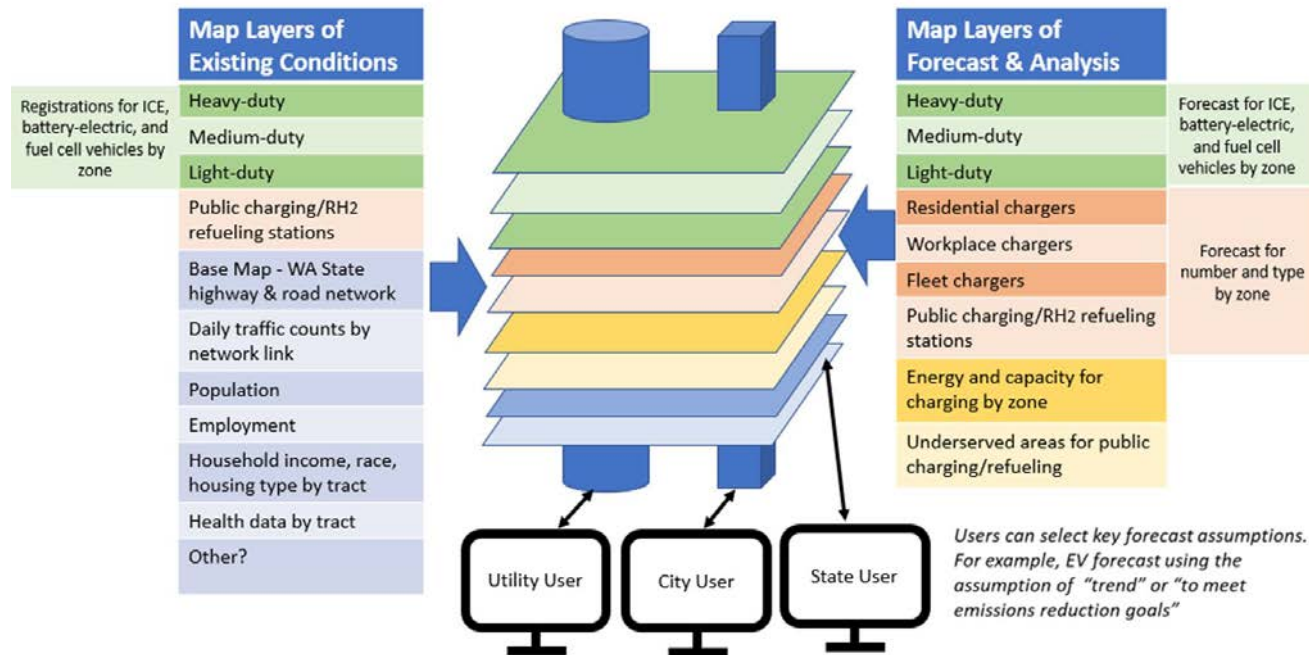
- a) Development of a statewide transportation electrification strategy
- b) Identification of all electric vehicle infrastructure grants related including state, federal, and other funds;
- c) Coordination of grant funding criteria across agency grant programs
- d) Development of a robust public and private outreach plan
- e) Creation of an industry EV advisory committee; and
- f) Ensuring the statewide transportation electrification strategy, grant distribution, programs, and activities associated with advancing transportation electrification benefit vulnerable and overburdened communities.

* 2022 Legislative Session, Pending Governor's Signature

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.



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ZEVIP GRANT SUMMARY

- **Approximately \$8 million in reimbursable grant funding**
 - Install direct current fast charging stations
 - Upgrade existing electric vehicle charging stations
 - Install hydrogen refueling infrastructure
- **Corridor focus**
 - Seeking projects to complete alternative fuel corridors, segments of corridors, or fill gaps
- **Eligible applicants**
 - Nonprofit organizations
 - Tribes
 - Governmental agencies
- **Grant timeline**
 - Questions due by March 30
 - Applications due by May 18
 - Projects operational by June 30, 2023



AVAILABLE FUNDING

- **Approximately \$8 million in reimbursement grant funding**
 - \$10 million ESSB 5689
- **Anticipated allocation**
 - Majority to new EV charging stations
 - Up to 30% upgraded EV charging stations
 - Up to 20% hydrogen fueling
- **Match not required**
 - Projects with match score higher
- **No maximum award**



CORRIDOR FOCUS

- **ZEVIP prioritizes projects that:**
 - Complete alternative fuel corridors
 - Segments of corridors
 - Fill gaps of existing corridors
- **Priority corridors**
 - Interstates, U.S. highways, 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**
 - or batch of related project sites



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
- **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.

Upgrades to existing EV charging infrastructure

For example, adding new direct-current, fast-charging stations with at least one CCS port, supporting at least 150kW per port charging, to a location that currently has only CHAdeMO plug(s). At least one CHAdeMO plug must remain where it is currently available.

New installations of hydrogen refueling infrastructure

For example, installation of a station capable of dispensing hydrogen at the mandatory H70-T40 (700 bar) designed, constructed and operated in accordance with the latest standards for hydrogen refueling.



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
 - Electrical supplies contract 05114



PROJECT REQUIREMENTS (ALL)

- Publicly accessible site
- ADA compliance
- Private sector partner
- Own/lease site
- Operational by June 30, 2023
- 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)
- **Upgraded stations**
 - Add at least one 150 kW CCS port
- **Support multiple point of sale methods**
 - Include a chip and tap reader
- **Interoperability**
 - OCPI and OCPP standards



PROJECT REQUIREMENTS (H2)

- Light duty fueling
- Designed, constructed, and operated in accordance with latest standards
 - NFPA 2 hydrogen code
 - SAE J2601 fueling protocols
- H2 consistent with SAE J2719
- Hydrogen safety panel review
 - 30 % Design
 - Safety Plan
 - Hazard and operability study (HAZOP)



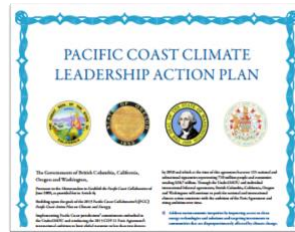
APPLICATION FORMAT

- One application per corridor or per bundle of related projects
- Submittal format Word or PDF, not to exceed 30 pages
- Application elements
 - Applicant information and project summary
 - Project narrative
 - Location / corridor, equipment, project team, implementation plan, readiness, benefits, innovation and sustainability
 - Project budget
 - Project schedule



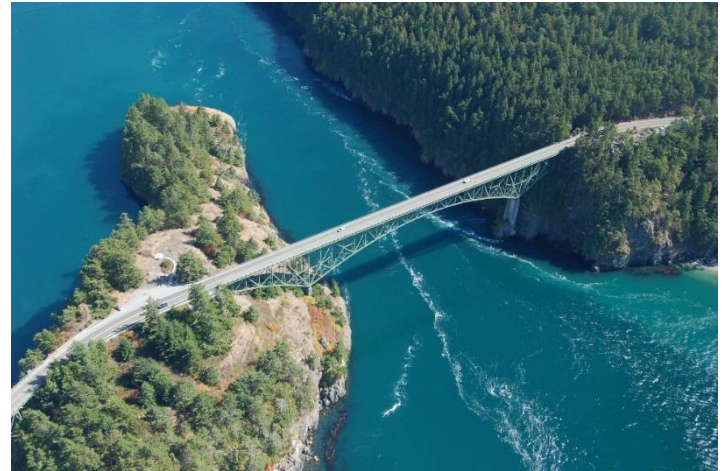
EVALUATION CRITERIA

- **Location and corridor(s) (25 points)**
 - Stations located at key intervals
 - Accessible, customer friendly
 - Co-located amenities
 - Supports local/regional plans
- **Budget (20 points)**
 - Demonstrated need
 - Reasonable ask relative to benefits
 - Match funds
- **Readiness (20 points)**
 - Site control or access
 - Permitting timelines
- **Implementation plan (25 points)**
 - Customer support
 - O&M plan
 - Signage plan
- **Project team (10 points)**
 - Qualifications
 - Expertise



EVALUATION CRITERIA CONT.

- **Equipment (10 points)**
 - Interoperability
 - Payment methods
- **Benefits (5 points)**
 - Economic
 - Rural, underserved, and disadvantaged communities
 - Air quality
- **Innovation and sustainability (5 points)**
 - Advanced features
 - Business model enhances viability
 - Renewable energy integration
- **Bonus points (up to 10)**
 - Outlets to support e-bikes
 - 350 kW made readies
 - 350 kW DCFC



SCHEDULE

Activity	Date	Time
Notice of grant opportunity	March 17	
Prospective applicant webinar	March 25	9:00 a.m. – 11:00 a.m.
Questions due	March 30	5:00 p.m.
Q & A published	April 8	
Applications due	May 18, 2022	5:00 p.m.
Notice of proposed awards	May 31	
Grant agreements finalized	June 30	
Final reimbursements	June 30, 2023	

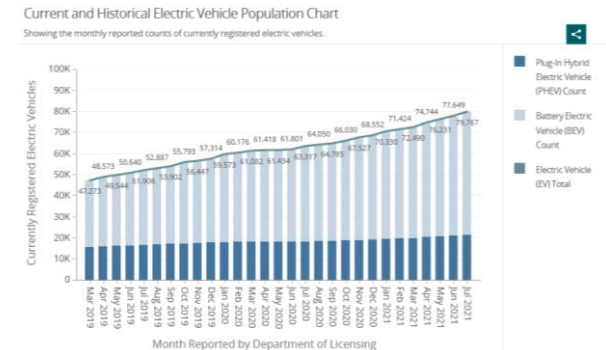
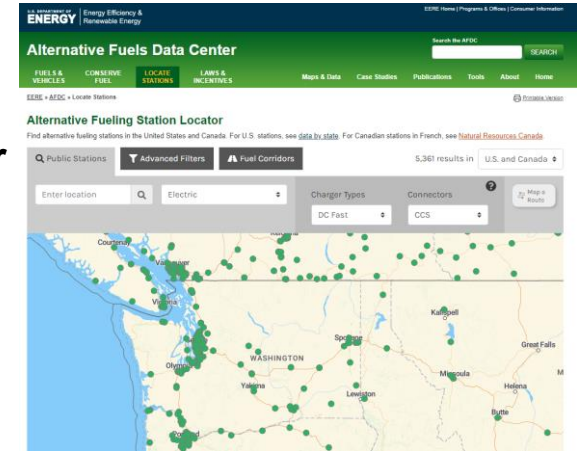
RESOURCES

- **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, corrections, 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
- **Joint Office of Energy & Transportation**
 - <https://driveelectric.gov>
 - Toolkits, datasets, Justice40 map



RESOURCES CONT.

- **U.S. Department of Energy - Alternative Fuels Data Center**
 - <https://afdc.energy.gov/stations/#/find/nearest>
 - Public station locator map
- **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



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 website no later than April 8

