

Federal Funding Navigation: Bipartisan Infrastructure Law and Inflation Reduction Act

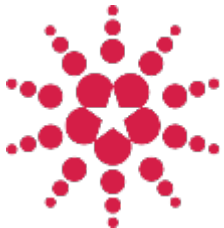


Electrification
Coalition



About the Electrification Coalition

The **Electrification Coalition** is a nonpartisan, nonprofit organization that develops and implements a broad set of strategies to facilitate the widespread adoption of electric vehicles to overcome the economic, public health, and national security challenges that stem from America's dependence on oil.



SAFE



Electrification
Coalition



Programming



Technical Lead

Climate Mayors EV Purchasing Collaborative



State EV Policy Accelerator

NV, MI, PA, VA, NC



Electrification Advisor

Bloomberg American Cities Climate Challenge



Lead Electrification Partner

Smart Columbus



Project Lead

US Virgin Islands and Washington, DC Roadmaps



Pilot Program Leader

Freight and Goods Delivery Electrification



Federal Funding: BIL

Bipartisan Infrastructure Law (BIL)

Dedicated Funding:

- **National EV Infrastructure Program (NEVI)** - \$5 billion for EVSE build-out along highways
- **Charging and Fueling Infrastructure Program (CFI)** - \$2.5 billion competitive grants; 50% set aside for community grants with priority for rural and underserved communities
- **Other Programs** - \$2.5 billion for electric school buses, \$2.5 billion zero emission and low emission buses

Additional Programs:

- Congestion mitigation and air quality improvement program
- Reduction of Truck Emissions at Port Facilities
- Carbon Reduction Program
- Grants for Buses and Bus Facilities
- Deployment of Technologies to Enhance Grid Flexibility
- Grants for Energy Efficiency Improvements and Renewable Energy Improvements at Public School Facilities

NEVI Program Top Takeaways

1. Location Requirements

- Alternative Fuel Corridors- state-designated highways
 - *Year 1- years 2-5 will expand past AFCs*
- 50 miles x 1 mile
- 365, 24/7 - open to the public or two or more commercial fleets

2. State Planning Requirement

- Every formula jurisdiction must compose a plan
- Details for deployment and stakeholder engagement
- Plans are to be updated every year

3. Benefits to Rural and Disadvantaged Communities

- Justice40 considerations must be incorporated into state plans
- AFCs allow rural communities to receive stations

4. Eligible Projects

- Procurement, 5 years of operation and maintenance, community engagement etc.

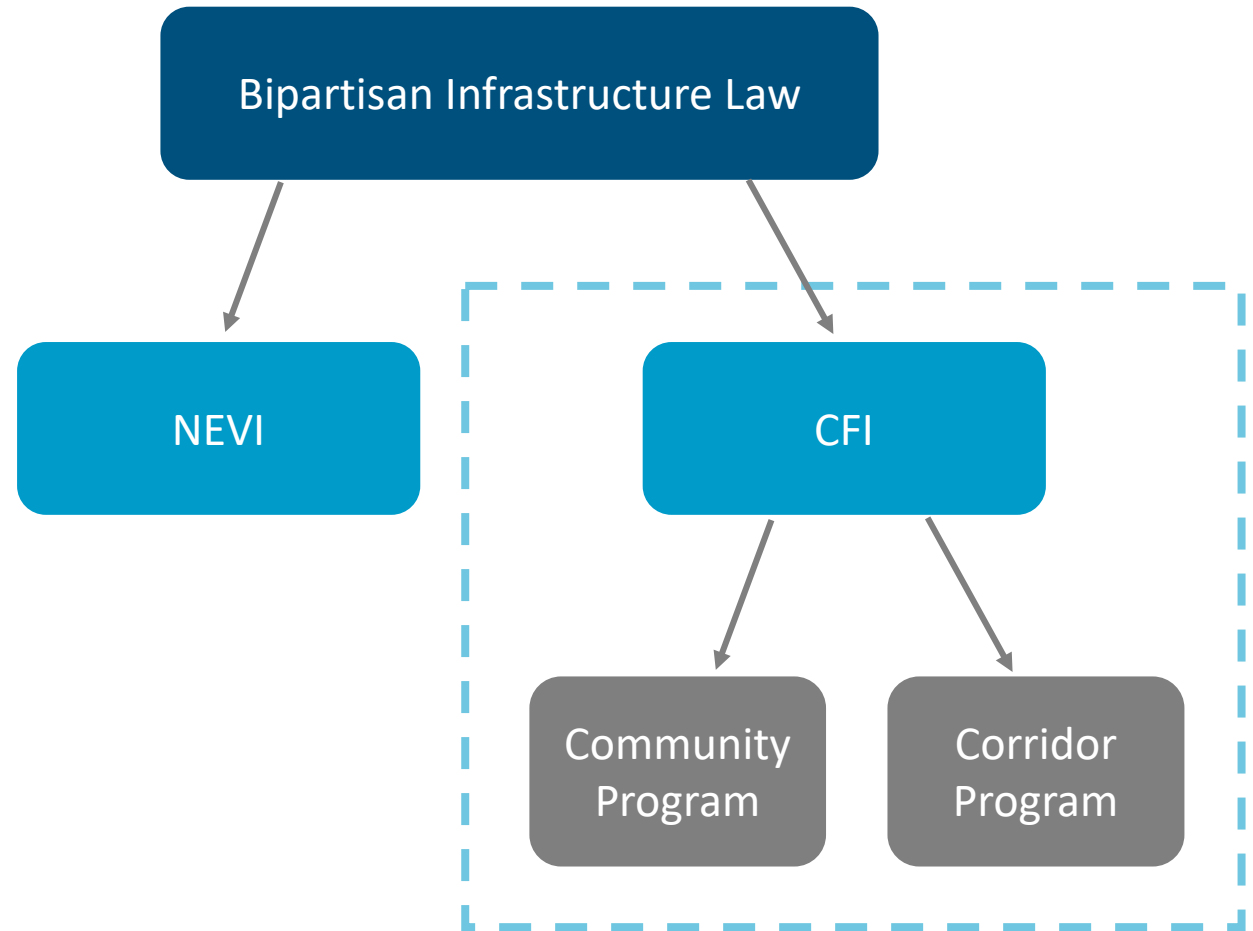
5. Minimum Standards – released by FHWA

- Dictate minimum standards and specifications for charging stations

Charging and Fueling Infrastructure Grant (CFI)

Round 1 for the Charging and Fueling Infrastructure Grant submitted on June 13th, providing first \$700M tranche of **\$2.5 Billion in funding** from the BIL.

- This funding is discretionary
- Divided between community and additional corridor deployment projects
- Available for public and quasi-public entities to pursue
- Allows for additional programming, such as charging education.



CFI Program Top Takeaways

1. Community vs. Corridor Programs

- Balance of pursuit of charging along highways and within communities.
- Can submit for both within same grant application.

2. Station Placement

- *Must* be publicly accessible
- Station contracts *must* be competitively bid procurement.

3. Selection Priority

- Underserved community and Justice40 Initiative general priority.
- Projects also encouraged to consider future-proofing and scalability within charging site design.

4. Education and Engagement Collaboration

- Public Private Partnership overall encouraged.
- Charging Education and other Consumer Educational Practice also allowable cost.

5. Regional Approaches

- Overall, many projects looked at broader regional collaboration.
- FHWA *may* ask some neighboring applicants to merge projects.

Staying Competitive In Application

- Never Underestimate Need for Community Engagement
 - More and more Federally-funded program require Community Engagement Plans.
- Regional Approaches Encouraged!
 - Can allow for greater pursuit of federal funds/cost-share, while allowing rural/underserved communities approach.
- Justice40, Workforce Development, and Other Critical Topics To Address
 - Continuing constant of BIL funding; always look for details within NOFO.
- It's Always a Good Time to Talk about Project Teaming
 - Infrastructure projects especially often require time rarely granted in federal grant-funding pursuits.
- Never Forget FAQ and Q&A!
 - Provides greater clarity, especially for new federal programming.

EV Funding Finder and CFI Guidance

Step 1: I represent a...

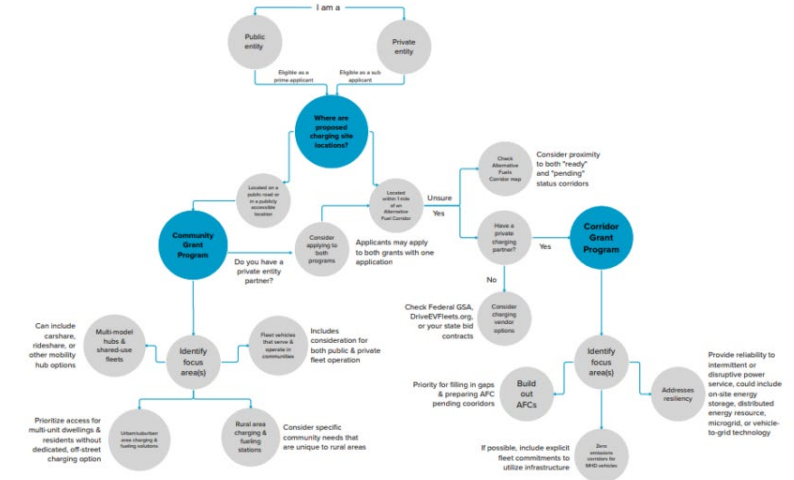
City	Rural Area
School	Freight/Shippers and Carriers
EV Advocate or Community Organization	Business
Non-Profit Transportation Group	Individual
State	

Step 2

Select Funding Scenarios

Purchase or Lease a Light-Duty Vehicle Funds to purchase or lease a light-duty vehicle (ex: passenger car)	Purchase Light-Duty Charging Infrastructure EV charging infrastructure incentives for light-duty vehicles	Grid Upgrades Funding for updating and preparing the grid for at-scale EV adoption
Purchase or Lease a Medium- or Heavy-Duty Vehicle Funds to purchase or lease a medium- or heavy-duty vehicle (ex: school bus)	Purchase Medium- or Heavy-Duty Charging Infrastructure EV charging infrastructure for medium- and heavy-duty vehicles	Access Support Planning Funding to ensure adequate planning of EV infrastructure
Access Technical Assistance Funds to provide technical expertise to access EVs or EV infrastructure	Electrify Ports Funding for shipping and transportation companies to electrify port transit	

Charging and Fueling Infrastructure Grant Applicant Flow Chart



Application Tools




Judging Criteria



Links
 AFLEET: <https://afleet.es-and.gov/infrastructure-emissions/>
 Alternative Fuel Corridor Map: <https://a11y.us/LG001>
 DOT's Transportation Disadvantaged Census Tracts: <https://dotdot.maps.arcgis.com/apps/leaflet/index.html?appid=08f90afcc0b44525604c7e748a3674a>
 Drive EV Fleets: <https://driveevfleets.org/>
 EV Charging Justice40 Mapper: <https://a11y.us/maps.arcgis.com/apps/webappviewer/index.html?id=3233e7b320470099923224a7c35a6>
 Geospatial Energy Mapper: <https://gem.and.gov/tech/>



Federal Funding: IRA



Commercial Clean Vehicle Tax Credit (45W)

- Runs through December 31, 2032.
- The credit is (1) the lesser of 30% of the basis of a vehicle not powered by a gasoline or diesel ICE, or (2) the incremental cost of such vehicle (i.e., the excess of the purchase price of such vehicle over the price of a comparable vehicle).
- **Light-Duty:** Credit is not more than \$7,500 for vehicles <14,000 pounds
- **Medium and Heavy-Duty:** up to \$40k for vehicles >14,000 pounds
- No final assembly in North America requirement, no minerals or battery component requirements





Alt. Fuel Vehicle Refueling Property Credit (30C)

- Runs through December 31, 2032.
- For Commercial Use, up to \$100,000 or 30% of total project cost.
- Bidirectional charging eligible charging.
- *Must* be in a low-income community or in a non-urban area.
- Updated Tax Year 2023 Form to be released.



Elective Pay (Direct Pay)

- Proposed guidelines from the IRS released in June, awaiting final guidance.
- Elective pay credit allows tax-exempt and governmental agencies to benefit from tax credits from which they were previously ineligible based on their lack of federal tax burdens; the credit comes as a refund
- Applies to 12 of the Inflation Reduction Act's tax credits

Vehicles

Credit for Qualified Commercial Clean Vehicles (§ 45W)

For purchasers of commercial clean vehicles. Qualifying vehicles include passenger vehicles, buses, ambulances, and certain other vehicles for use on public streets, roads, and highways.

Credit Amount: Up to \$40,000 (max \$7,500 for vehicles <14,000 lbs) ⁹

Alternative Fuel Vehicle Refueling Property Credit (§ 30C)

For alternative fuel vehicle refueling and charging property, located in low-income and non-urban areas. Qualified fuels include electricity, ethanol, natural gas, hydrogen, and biodiesel.

Credit Amount: 6% of basis for businesses and can increase to 30% if PWA is met.



Elective Pay Credits

- Energy Credit (48), (Form 3468, Part VI)
- Clean Electricity Investment Credit (48E), (Form 3468, Part V)
- Renewable Electricity Production Credit (45), (Form 8835, Part II)
- Clean Electricity Production Credit (45Y)
- • Commercial Clean Vehicle Credit (45W), (Form 8936, Part V)
- Zero-emission Nuclear Power Production Credit (45U), (Form 7213, Part II)
- Advanced Manufacturing Production Credit (45X), (Form 7207)
- Clean Hydrogen Production Credit (45V), (Form 7210)
- Clean Fuel Production Credit (45Z)
- Carbon Oxide Sequestration Credit (45Q), (Form 8933)
- • Credit for Alternative Fuel Vehicle Refueling / Recharging Property (30C), (Part 8911, Part II)
- Qualifying Advanced Energy Project Credit (48C), (Form 3468, Part III)

What does this mean for pursuing Grants *and* Tax Incentives?

- Can minimize the need for complicated leasing structures for local governments to get tax credits. (e.g. Pre-IRA EV Tax Credit)
- Able to combine grants and forgivable loans with the tax credits

- For example:

- A school district receives a tax-exempt grant in the amount of \$300,000 to purchase an electric school bus. Under IRA, clean commercial vehicles are eligible for a tax credit of up to \$40,000.
- The school district purchases the bus for \$400,000, using the grant and \$100,000 of the school district's unrestricted funds.
- The school district's basis in the electric bus is \$400,000 and the school district's section 45W credit is \$40,000.
- Since the amount of the restricted tax-exempt grant plus the amount of the section 45W credit (\$340,000) is less than the cost of the electric bus, the school district's 45W credit is not reduced.



Find these tools, case studies, and more at:
electrificationcoalition.org/resource

Tools and Resources

Dashboard for Rapid Vehicle Electrification (DRVE) Tool

- <https://electrificationcoalition.org/resource/drve>
- Dashboard for Rapid Vehicle Electrification (DRVE) Tool – light, medium, and heavy-duty fleet assessment tool.
- Free-to-use analysis for finding TCO-derived EV recommendations.

EV Funding Finder

- electrificationcoalition.org/ev-funding-finder
- EC-curated federal funding tool, updated to match new funding as announced.
- “Choose your own” style to sort and search based on organizational type and project.

EV Purchasing Collaborative

- driveevfleets.org
- Vehicle and charging procurement platform, run with partners at Sourcwell.
- Designed as additional procurement option, to expedite traditional RFP process.

Thank you!

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