



# THE IJA, IRA & VIRGINIA'S NEVI DEPLOYMENT PLAN

Presentation to the TPB Freight Subcommittee

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# Agenda

1. Inflation Reduction Act
2. Infrastructure & Investment Jobs Act
3. Charging & Fueling Infrastructure Discretionary Grant Program and NEVI Formula Program
4. Virginia's NEVI Deployment Plan
5. Alternative Fuel Corridor Nominations
6. East Coast Commercial ZEV Corridor
7. Resources

# IRA & IIJA – What are they?



- **Inflation Reduction Act (IRA)**
  - President signed into law on August 16, 2022
  - Provides for \$369 billion in conservation-related tax incentives and cost reductions in health care, clean energy, climate mitigation, resilience, and agriculture
- **Infrastructure & Investment Jobs Act (IIJA)**
  - Also known as the Bipartisan Infrastructure Law (or BIL)
  - President signed into law on November 15, 2021
  - Provides \$550 billion through 2026 for roads, bridges, mass transit, water infrastructure, resilience and broadband
  - To date, more than 200,000 projects have been awarded funding

# Inflation Reduction Act (IRA)

- **Direct to consumer transportation benefits:**
  - Up to \$7,500 in tax credits for new electric vehicles
  - Up to \$4,000 for used electric vehicles
  - Pay attention to income limits!
- **Commercial benefits for clean energy & transportation:**
  - Up to 100% of cost to replace Class 6 & 7 commercial vehicles with ZEVs
    - Includes infrastructure and workforce development
  - Up to 30% tax credit for the purchase of commercial clean vehicles!
    - Capped at \$7,500 for vehicles less than 14,000lbs
    - \$40,000 for more than 14,000lbs

# Infrastructure & Investment Jobs Act (IIJA)

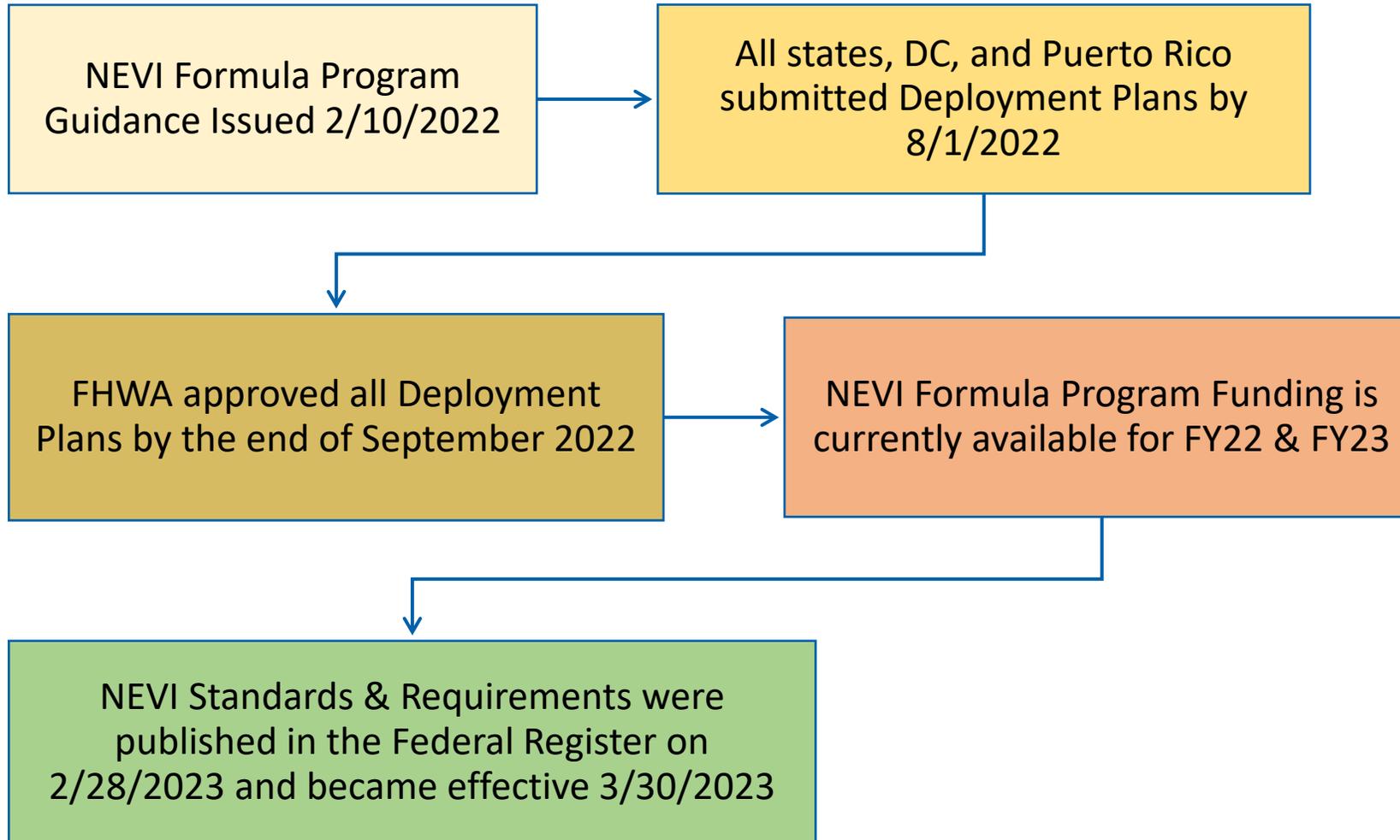
- The IIJA or Bipartisan Infrastructure Law includes \$7.5 billion for three programs to help make EV chargers accessible to all Americans:
  - NEVI Formula Program
  - Corridor Charging Program
  - Community Charging Program
- The **Corridor** and **Community** Charging Programs make up the Charging and Fueling Infrastructure (CFI) Discretionary Grant Program.
- The CFI Grant Program can also be used for hydrogen, propane, and natural gas infrastructure.



# Charging & Fueling Infrastructure Discretionary Grant Program (CFI)

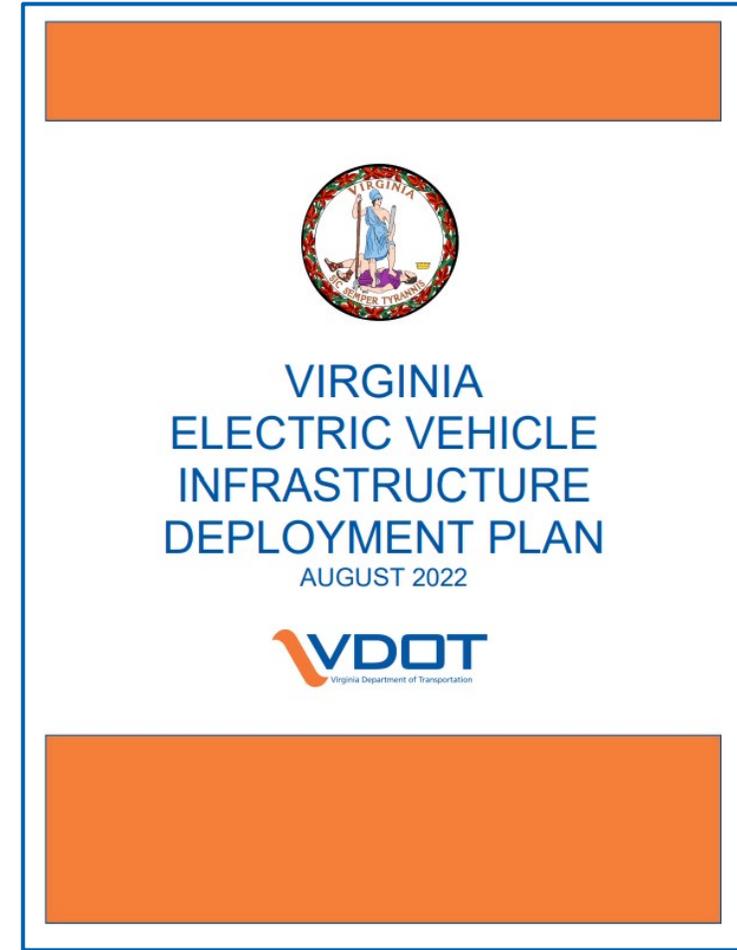
- Opened on March 14, 2023 & applications are due by May 30, 2023.
- Register for a [www.Grants.gov](http://www.Grants.gov) account now!
- Only FY22 & FY23 funds available to award at \$700 million.
- NOFO highlights a focus area of building out Zero Emission Corridors for Medium- and Heavy Duty Vehicles.
- **Webinars held** 3/21 & 3/22 – [www.driveelectric.gov/webinars](http://www.driveelectric.gov/webinars)
- VDOT is not applying to CFI, but is providing support.
- Virginia Clean Cities is providing application assistance and syncing partnering opportunities!

# NEVI Formula Program Timeline

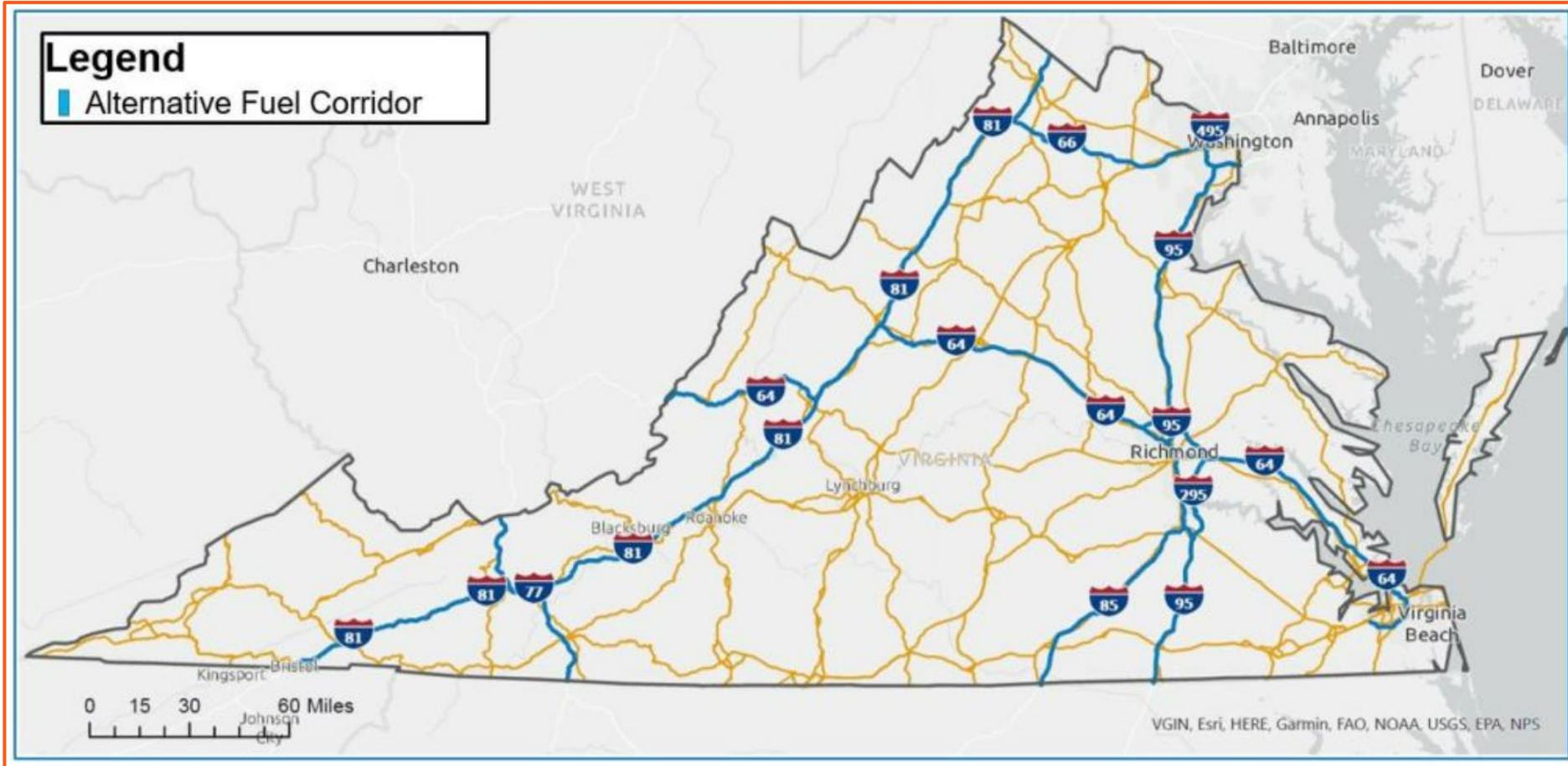


# Virginia NEVI Deployment Plan & Program

- VDOT lead agency, under guidance of the Secretary of Transportation
- Deployment Plan **approved** September 27, 2022
- \$100M over 5 years to build out VA's alternative fuel corridors
- \$36M available in FY22 & FY23
- Currently developing a competitive process to award NEVI Formula Program Funding to eligible entities



# Alternative Fuel Corridors (AFCs)



**Virginia AFCs: 985 miles along I-64, I-66, I-77, I-81, I-85, I-95, I-295, I-495**

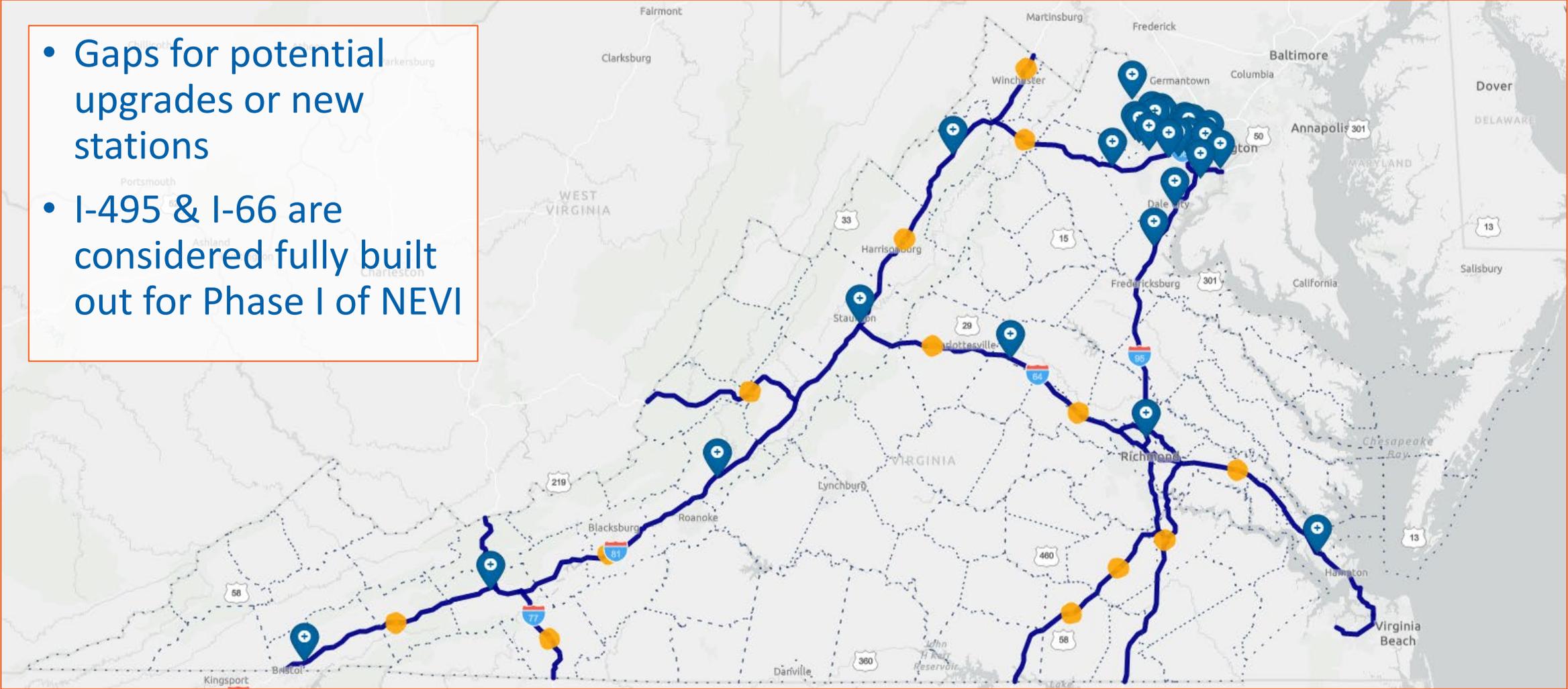
# Virginia EV Charging Infrastructure



- 1,128 public stations providing 3,121 charging ports across all charging speeds
- 137 stations equipped with publicly accessible Direct Current fast chargers (DCFCs)
- 17 stations meet NEVI requirements

# Existing and Potential EV Charging Station Areas

- Gaps for potential upgrades or new stations
- I-495 & I-66 are considered fully built out for Phase I of NEVI



VDOT Draft EV Mapping Tool

# Virginia's NEVI Public Input Website

## Virginia Electric Vehicle Infrastructure Deployment

The Commonwealth of Virginia is investing a projected \$100 million in federal funding over the next five years to install public electric vehicle (EV) charging stations across Virginia. Information on Virginia's Deployment Plan, federal EV infrastructure grant opportunities, as well as EV and Local Government resources are available below.

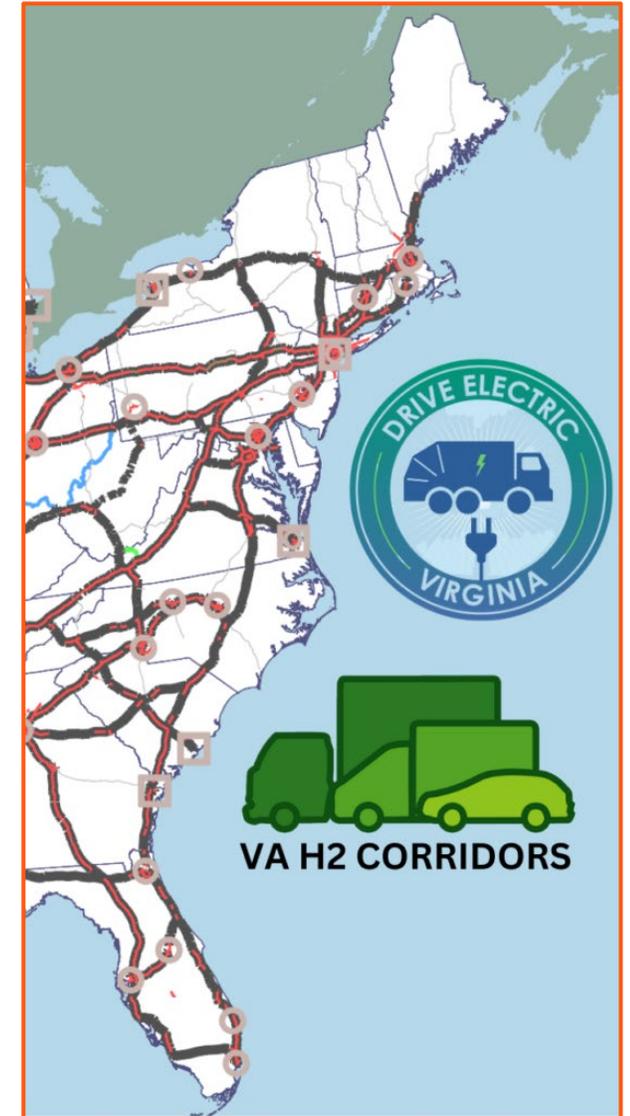
<https://publicinput.com/VirginiaNEVI>

# Current State of Freight Electrification

- In 2017, the VTrans2040 Virginia Freight Element transportation plan was released. This plan identifies freight system trends, needs, goals and issues.
- While VTrans2040 is a forward-looking freight plan and mentions electrification, it is not the mechanism to nominate or designate freight EV corridors.
- The Joint Office has indicated that FHWA intends to designate freight EV corridors.
  - Nomination process for state DOTs to submit applications (not automatic)
  - FHWA evaluates applications and determines final designation
  - Application period is unknown at this time, but expected soon

# East Coast Commercial ZEV Corridor

- This is one of 7 projects to be awarded funding from the Department of Energy to accelerate the creation of zero-emission vehicle corridors.
- Expands both EV charging and hydrogen infrastructure along the east coast.
- The project is lead by nonprofit, Calstart.
- The corridor runs from **Georgia** to **New Jersey** along I-95.
- The Virginia portion of the project will also identify further partnerships to emphasize I-81.



Courtesy of VA Clean Cities

# How Do These Programs Work Together?

- These programs are complementary!
- IRA
  - Provides Federal incentives for both consumer and commercial electrification
- IIJA: NEVI Formula Program Funding
  - Federal subsidy to jumpstart electrification along AFCs
- IIJA: CFI Discretionary Grants
  - Further supports the AFC buildout and brings electrification into communities
- East Coast Commercial ZEV Project
  - Identifies electrification and hydrogen fueling infrastructure needs along I-95

# White House Guidebooks for IRA & IIJA

- Inflation Reduction Act Landing Page: <https://www.whitehouse.gov/cleanenergy/inflation-reduction-act-guidebook/>
  - Guidebook PDF: <https://www.whitehouse.gov/wp-content/uploads/2022/12/Inflation-Reduction-Act-Guidebook.pdf>
  - Clean Energy Tax Provisions: <https://www.whitehouse.gov/cleanenergy/clean-energy-tax-provisions/>
- IIJA / BIL Landing Page: <https://www.whitehouse.gov/build/guidebook/>
  - Guidebook PDF: <https://www.whitehouse.gov/wp-content/uploads/2022/05/BUILDING-A-BETTER-AMERICA-V2.pdf>
- You can search for funding opportunities electronically, or review the PDF version of the both Guidebooks in full.

# Clean Heavy Duty Vehicle & ZEV Resources

- Clean Heavy-Duty Vehicle Program (EPA):
  - <https://www.epa.gov/inflation-reduction-act/clean-heavy-duty-vehicle-program>
- East Coast Commercial ZEV Corridor (US Dept of Energy):
  - <https://vacleancities.org/east-coast-commercial-zev-corridor/> (VCC's announcement)
  - <https://www.energy.gov/articles/biden-harris-administration-announces-funding-zero-emission-medium-and-heavy-duty-vehicle> (DOE's announcement)

# Additional Resources

- Virginia Clean Cities: <https://vacleancities.org>
- VDOT NEVI Public Input Website: <https://publicinput.com/VirginiaNEVI#1>
- NEVI Formula Program Guidance:
  - [https://www.fhwa.dot.gov/environment/alternative\\_fuel\\_corridors/nominations/90d\\_nevi\\_formula\\_program\\_guidance.pdf](https://www.fhwa.dot.gov/environment/alternative_fuel_corridors/nominations/90d_nevi_formula_program_guidance.pdf)
- NEVI Final Rulemaking:
  - <https://www.govinfo.gov/content/pkg/FR-2023-02-28/pdf/2023-03500.pdf>
- CFI Discretionary Grant Program: <https://www.fhwa.dot.gov/environment/cfi/>
- Build America, Buy America Waiver:
  - <https://www.govinfo.gov/content/pkg/FR-2023-02-21/pdf/2023-03498.pdf>
- FHWA Transportation-related BIL Grants:
  - [https://www.fhwa.dot.gov/bipartisan-infrastructure-law/grant\\_programs.cfm](https://www.fhwa.dot.gov/bipartisan-infrastructure-law/grant_programs.cfm)

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