



Electric Vehicle Ecosystem




Mid-Atlantic Electrification Partnership

Virginia Clean Cities
Alleyn Harned




Mid-Atlantic Electrification Partnership

375
CHARGING STATIONS



installed throughout the region

175
ELECTRIC VEHICLES
light- medium-duty EVs and school buses



25
EDUCATIONAL EVENTS



3
PROJECT YEARS



\$14.6M
PROJECT BUDGET



\$8.7M
COST SHARE



25
PROJECT PARTNERS





Building the ecosystem VA –DC – MD - WV

- 1) Analysis
- 2) Education (Diverse and Frontline Communities)
- 3) Chargers
BGE Rideshare, PEPCO Taxi, Greenspot Hub,
Blink 19.2, Utility Programs, Solar Pilots, Everything
- 4) Vehicles – 100 Rideshare Vehicles w/ BGE
72 spots for car share at hubs



GETTING EVSMART: HOW UTILITIES LIKE BGE ARE DRIVING EQUITABLE ELECTRIC TRANSPORTATION

A free webinar for **HBCU** students, faculty and staff.



Baltimore Gas and Electric, founded in 1816, is driving Maryland forward to the future, laying groundwork for a transition to electric vehicles. Join BGE's CEO and its EVsmart team to learn about how BGE is supporting EVs and working to bring equitable access to this revolutionary new tech. BGE will be joined by executives from Volkswagen and Bay Area-startup WeaveGrid to discuss their own efforts to develop and market new EV products and technologies for consumers and businesses.

**JOIN US VIA ZOOM ON FRIDAY, MAY 7,
FROM 10 A.M. TO 12:30 P.M.**

For more information please contact: EVsmart@bge.com



ONLINE Q&A

Ask an EV Owner

THURS, APRIL 22
7PM EST

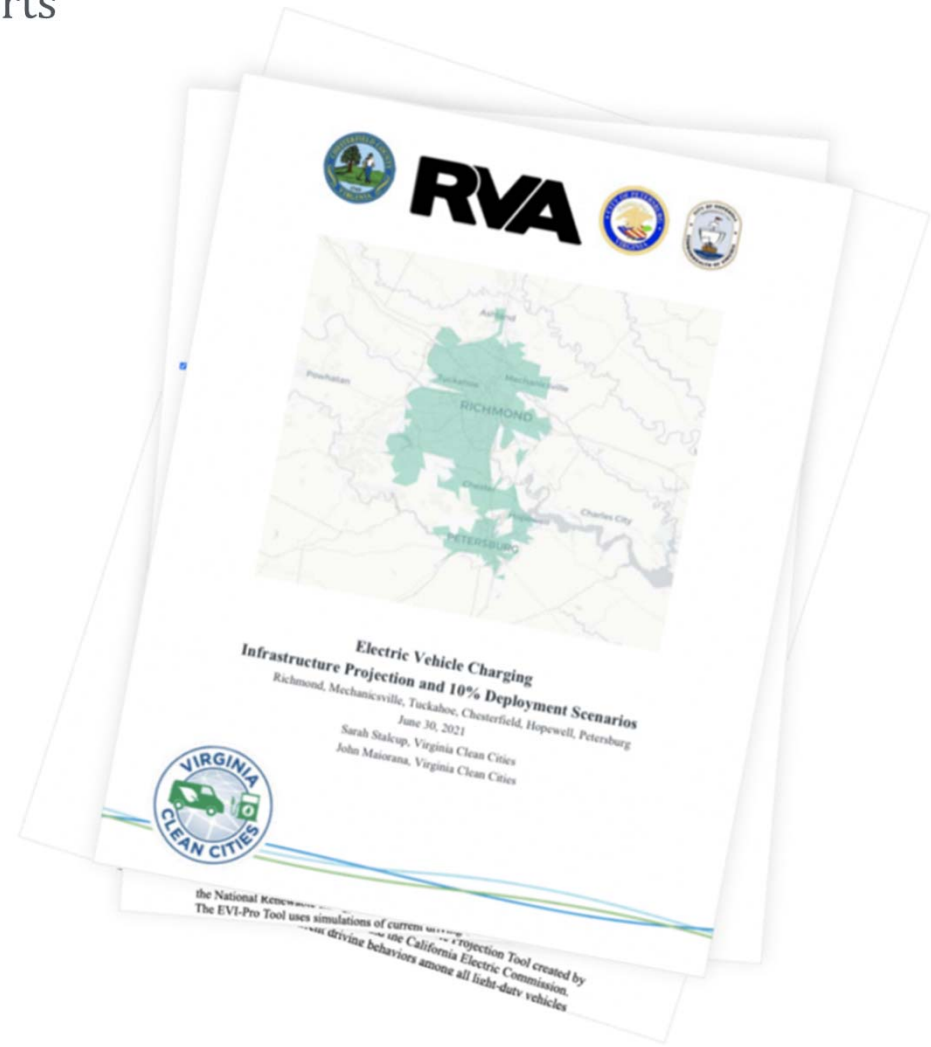
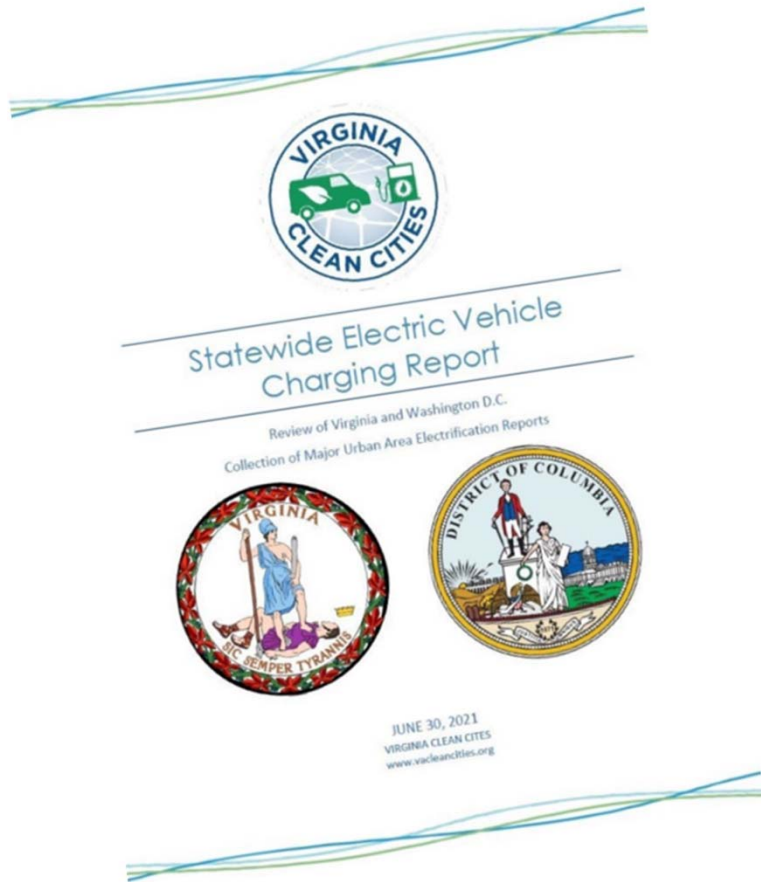


Generation180
EVNOIRE

Updates since June



Publication of statewides and locality reports



Energy Zones Mapping Tool (<https://ezmt.anl.gov>)



- Produced and maintained by Argonne National Laboratory
- A free online tool for identifying areas within the United States that may be suitable for power generation and energy corridors
- Mapping data for visualization, query, and sharing
- Over 360+ overlays and continuously updated





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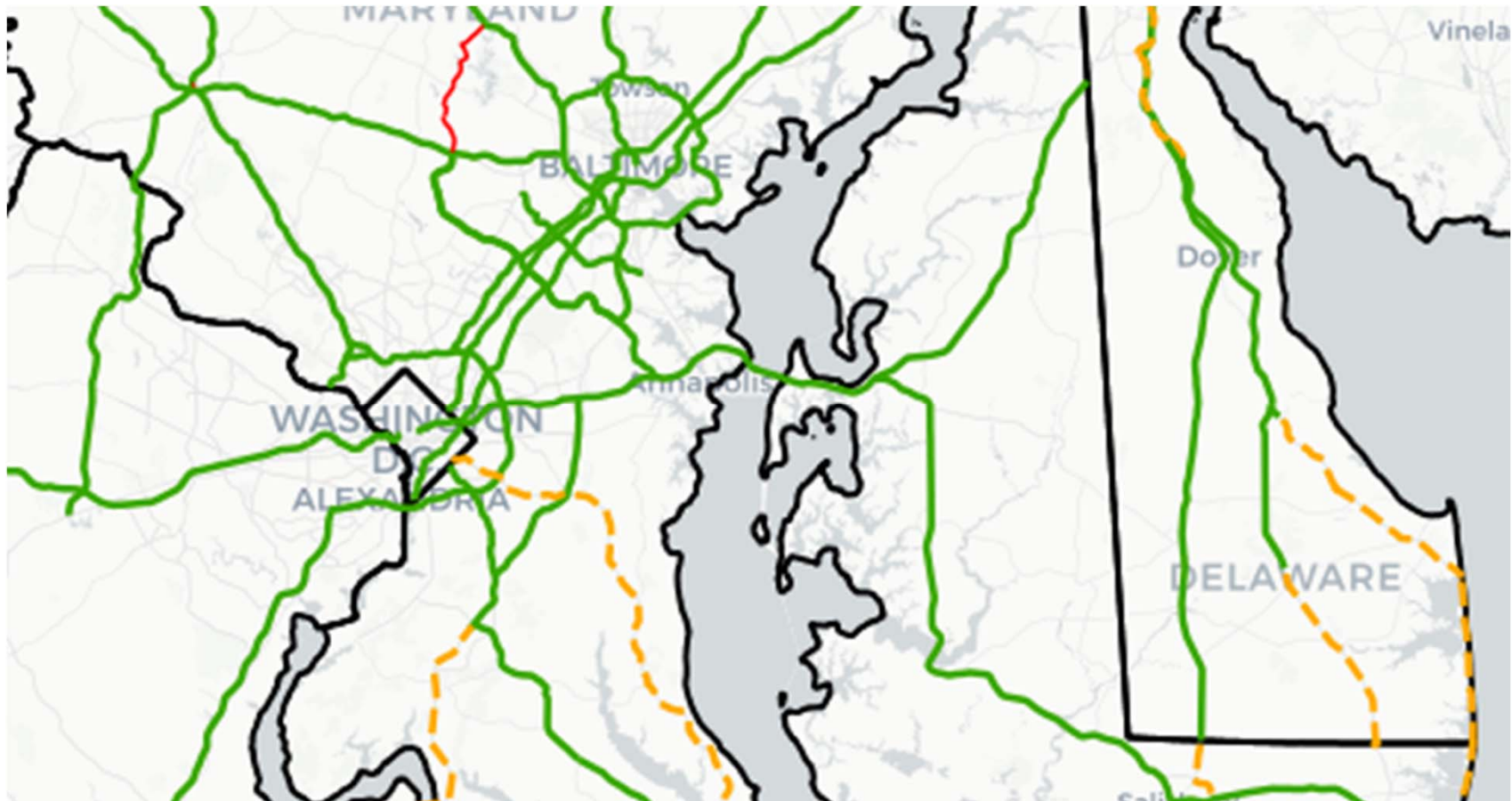
A screenshot of the EZMT website interface. The top navigation bar includes a home icon, "About the Project", "Energy Resources", "Data", "Documents", "Links", and a "Launch Tool" button with a globe icon. Below this is a large banner with a blue background. On the left, there's a graphic showing a power transmission tower, a wind turbine, solar panels, a gas flare, a coal train, and a nuclear reactor, all set against a map of the United States with binary code. The text "EZMT | Energy Zones Mapping Tool" is displayed in large green letters. Below this, a description reads: "A map-based tool for identifying areas within the United States that may be suitable for power generation and energy corridors." A "Launch Tool" button with a globe icon is positioned below the description. Navigation arrows are visible in the bottom corners of the banner.

Designated Alternative Fuel Corridors



Designated Alternative Fuels Corridor (Round 5)

-  EV Signage Pending
-  EV Signage Ready
-  EV Signage Unspecified

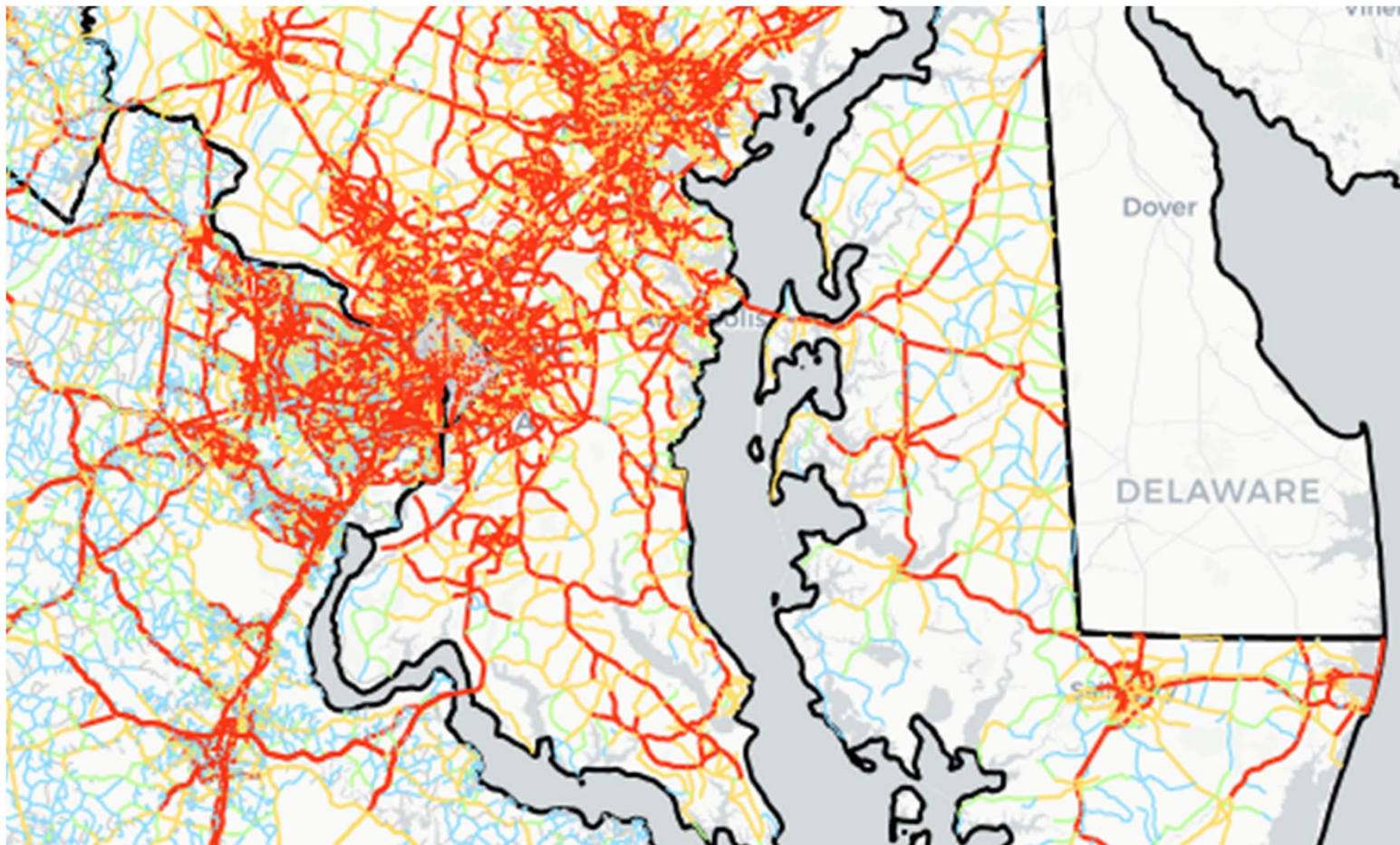


Roads with Average Annual Daily Vehicle Traffic

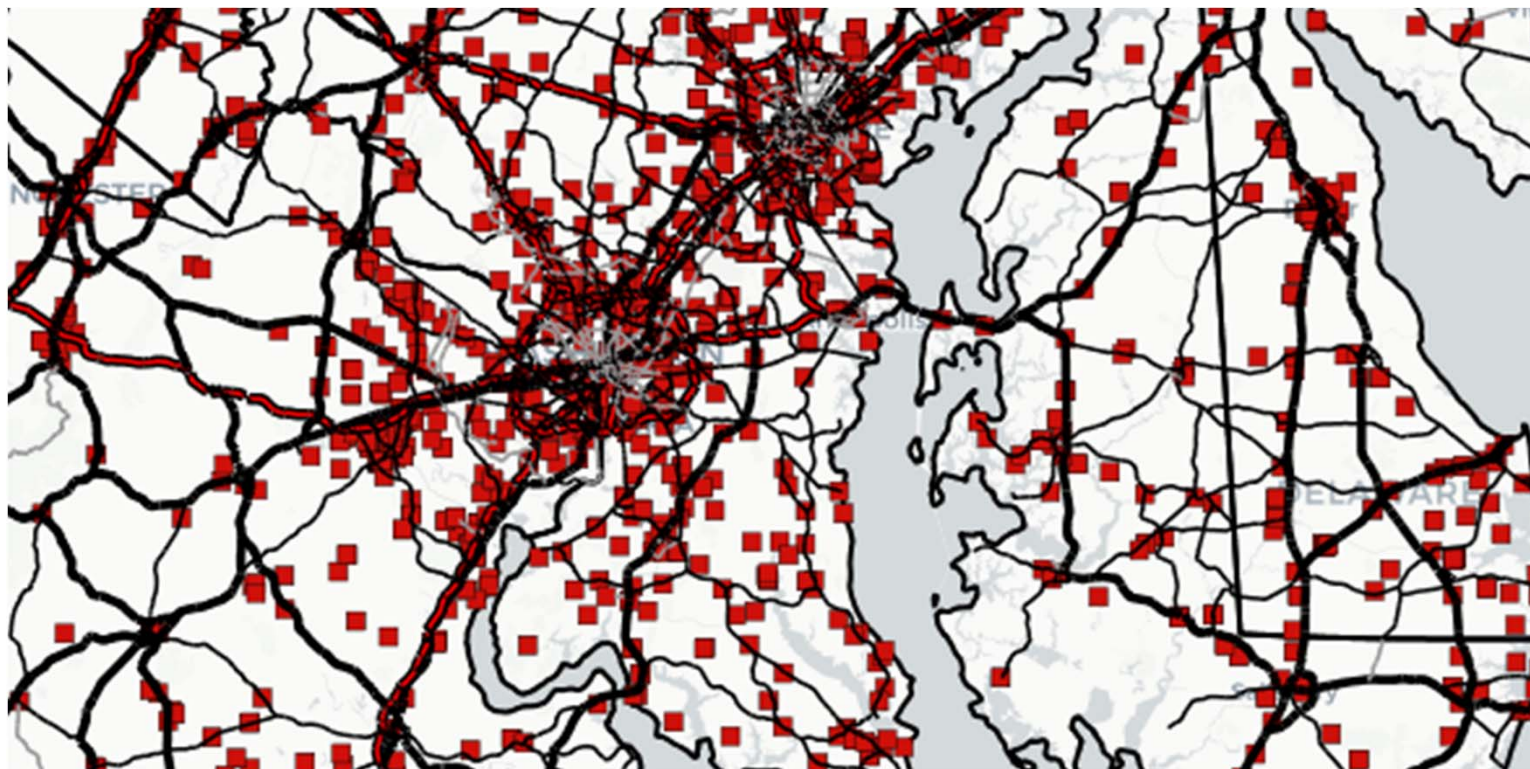


Roads, with Average Annual Daily Vehicle Traffic

Average Annual Traffic Volume



Major Roadways with Electrical Substations



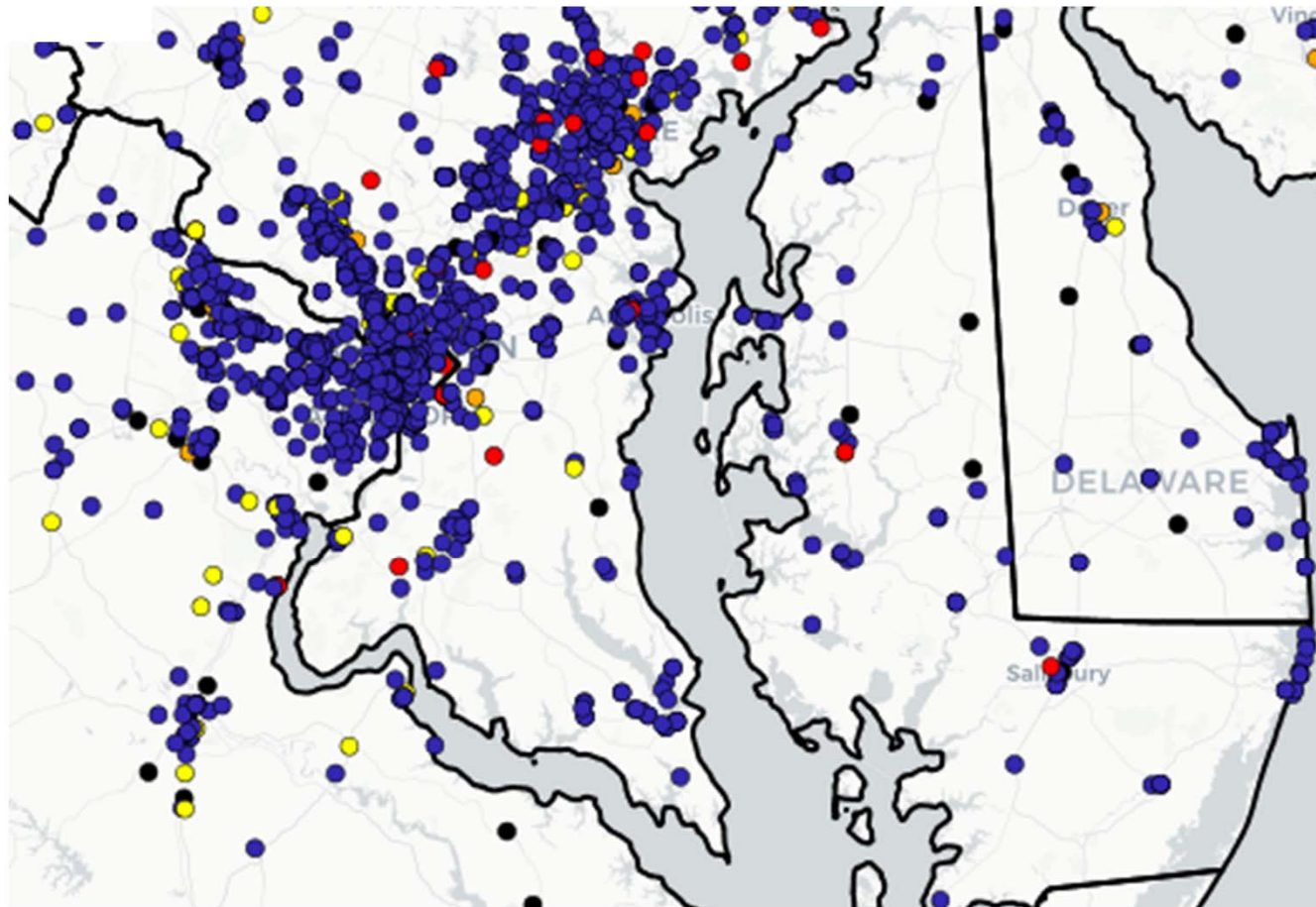
Alternative Fuel Stations



Alternative Fuel Station

Fuel Type

- Biodiesel (BD)
- Compressed Natural Gas (CNG)
- Ethanol (E85)
- Electric (ELEC)
- Hydrogen (HY)
- Liquefied Natural Gas (LNG)
- Liquefied Petroleum Gas (LPG)



EVSE Tesla L2, DCFC & non-tesla L2 and DCFC & planned stations



Electric Vehicle Charging Stations (Planned)



Electric Vehicle Charging Stations (Non-Tesla DC Fast)



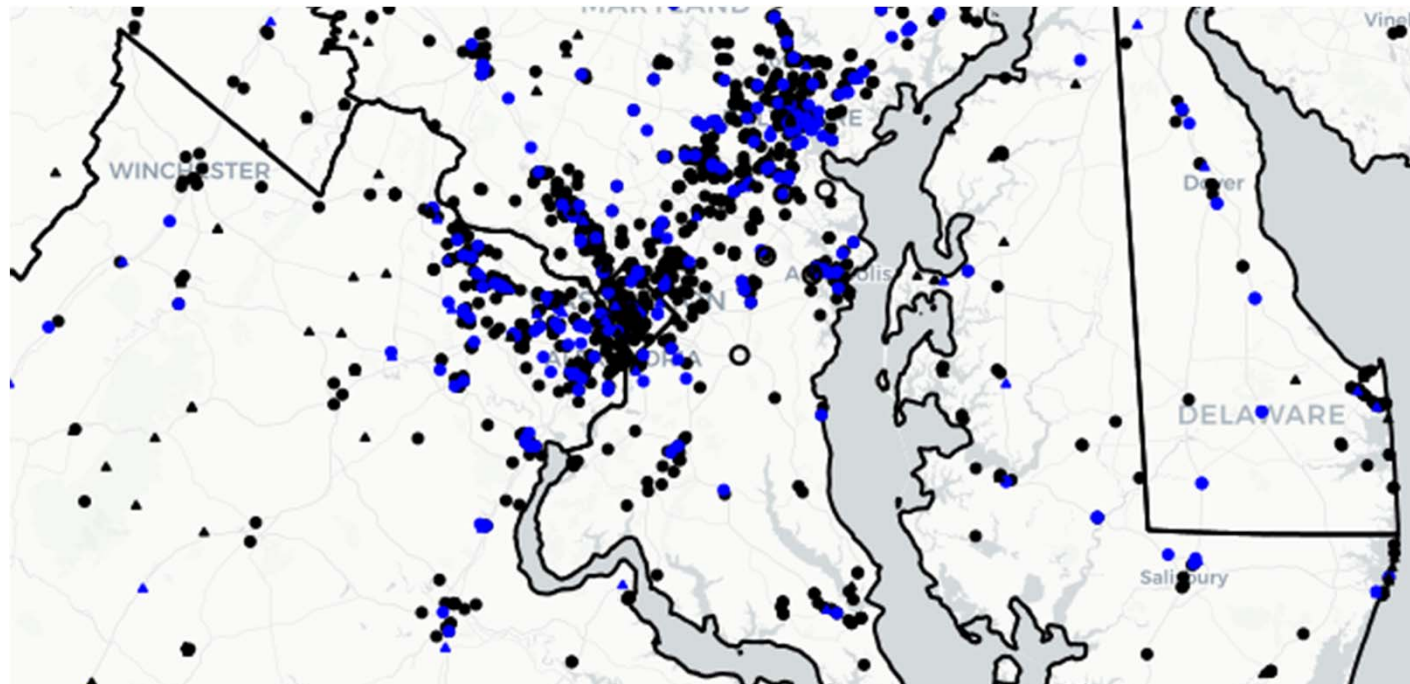
Electric Vehicle Charging Stations (Tesla DC Fast)



Electric Vehicle Charging Stations (Non-Tesla Level 2)



Electric Vehicle Charging Stations (Tesla Level 2)

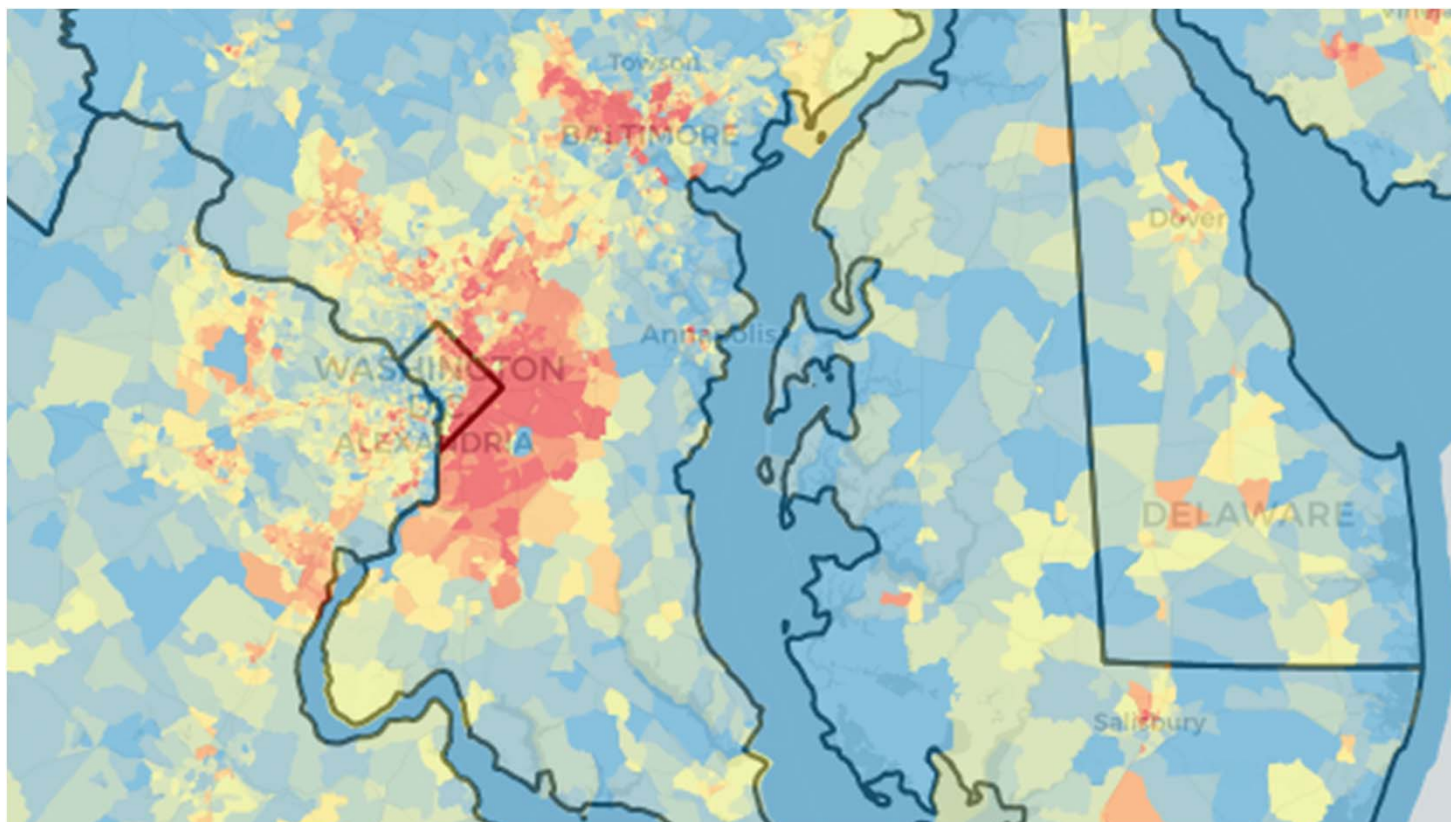


Block Groups: Total Minority



Block Groups: Total Minority

Total Minority Percentage

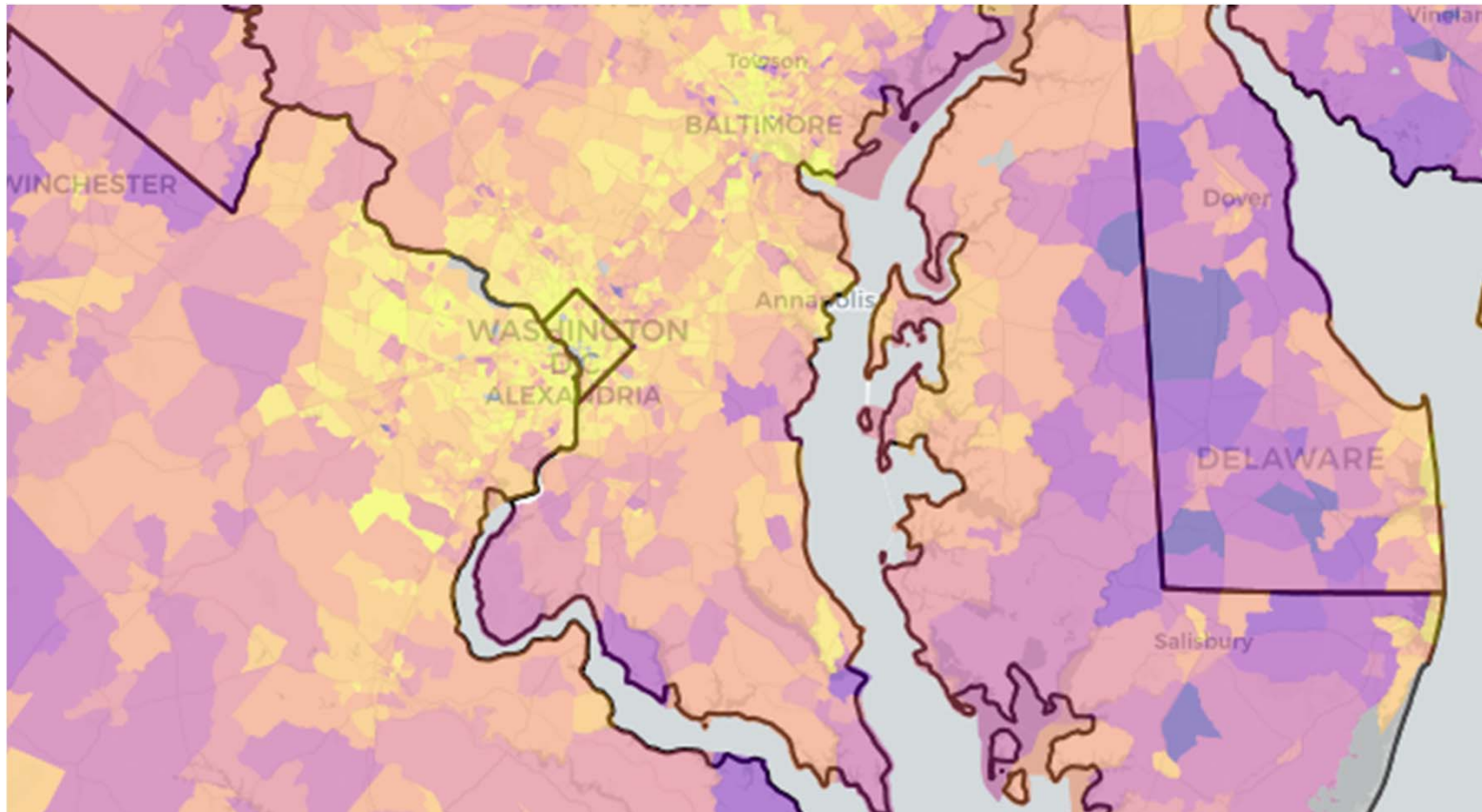
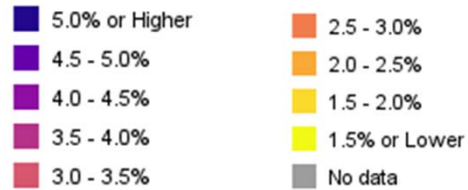


Household Transportation Energy Burden



Household Transportation Energy Burden

Burden (Percent of Income)

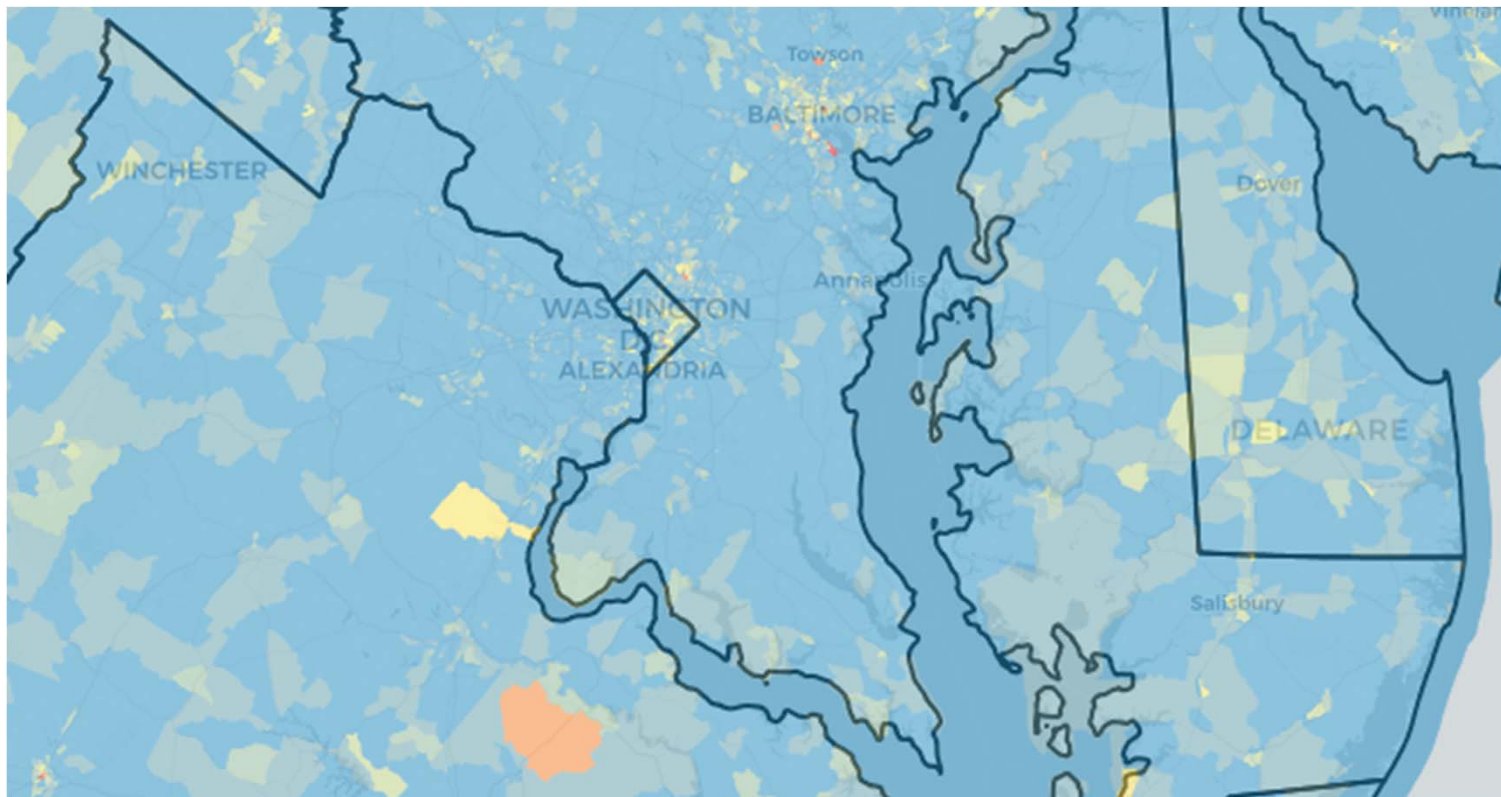
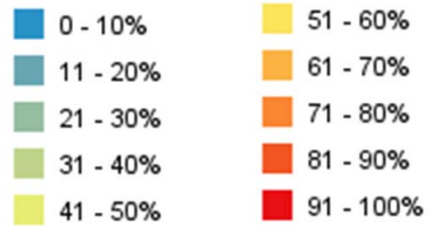


Block Groups: Low-Income



Block Groups: Low Income

Low Income Percentage

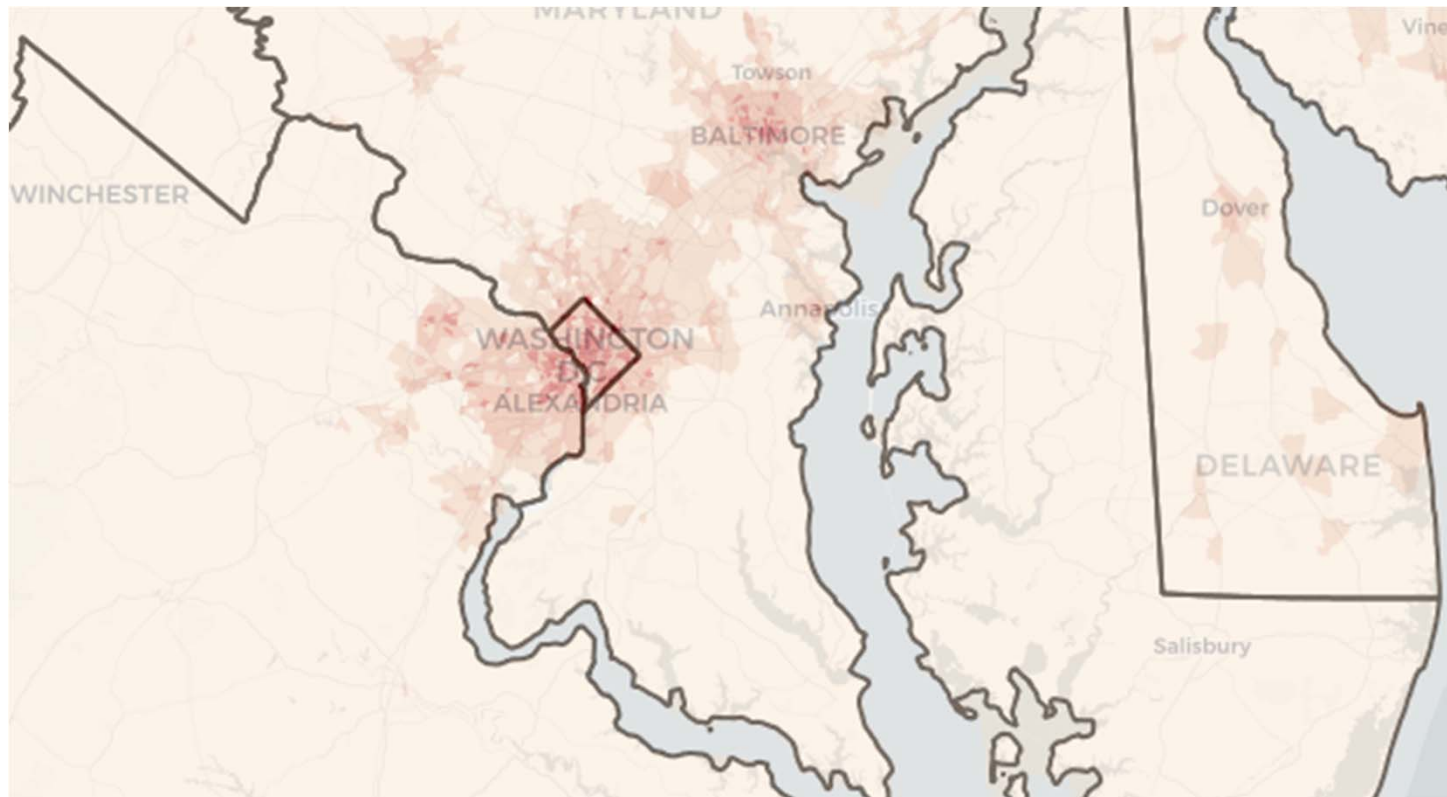
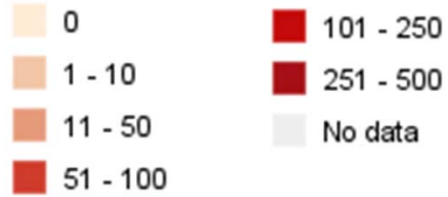


Public Transit Stop Density



Public Transit Stop Density

Stops per Square Mile

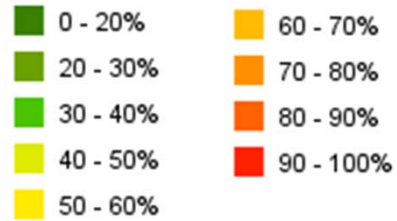


Households without vehicles



Households without Vehicles

Percent of Households Lacking a Vehicle

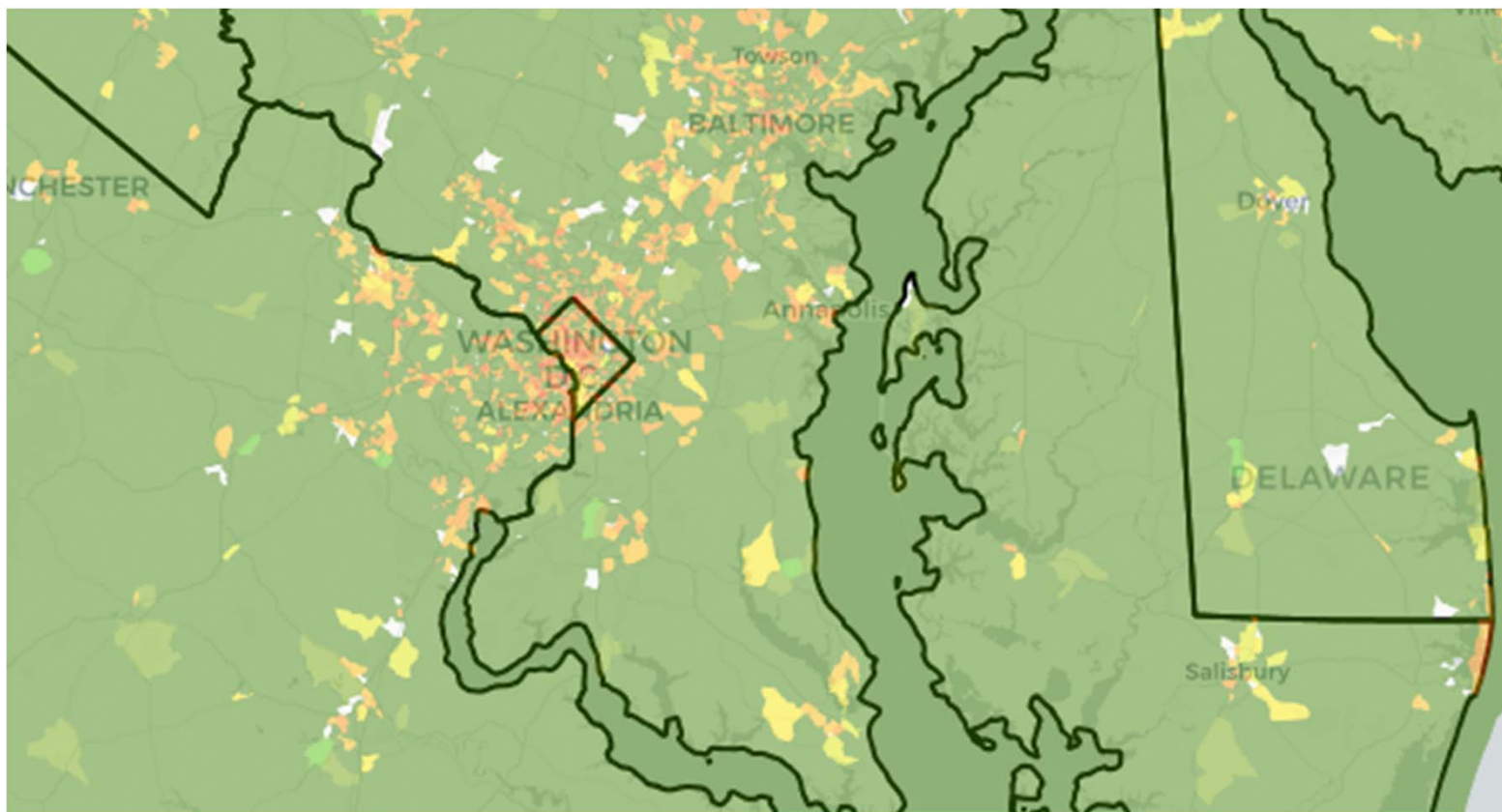
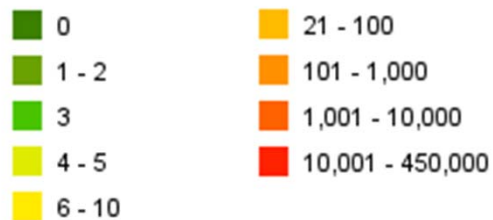


Housing – Units in Large Multi-Unit Structures/sq. mil



Housing - Units in Large Multi-unit Structures/sq. mi

Units in Large Multi-unit Structures (per Sq. Mi)



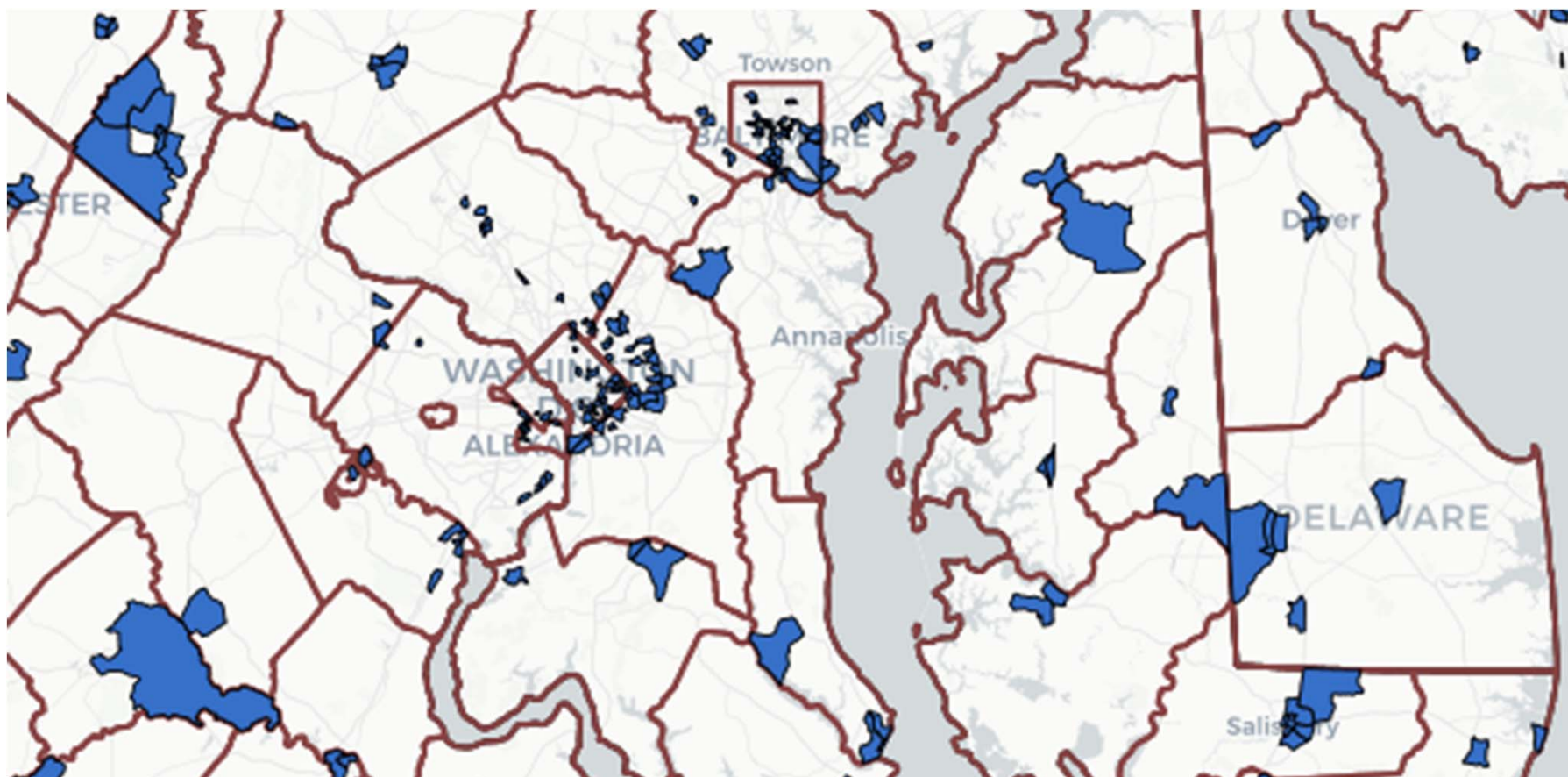
HUD Opportunity Zones w/ County Borders



HUD Opportunity Zones



County Boundary



Energy Zone Mapping Tool

Overview



1. Go to <https://ezmt.anl.gov/> and register for an account. You will receive confirmation and be cleared to use the tool usually in 24 hours*
2. Once verified, login!
3. The tool will open to a map of the United States with a side bar on the left.
4. Click “library” to open a menu of overlays. Click the small left-most box on any layer to “add this layer to the map”. It will immediately be added to your map!
5. Right click the overlay to access its properties such as to increase transparency.

Chargers



BGE Rideshare 20 DCFC

PEPCO Taxi 12 DCFC

Greenspot Hub 6 chargers
publicly accessible

Blink 19.2 kwh L2 chargers

Other: Utility Programs,
Solar Pilots, Everything



200 BLINK



MID-ATLANTIC ELECTRIFICATION PROGRAM



The Mid-Atlantic Electrification Program and Blink are covering 100% of the cost to install electric vehicle chargers at your location!

In partnership with MAEP, Blink will provide EV charging equipment to regional hosts for the deployment of Blink Level 2 EV charging stations to build-out the EV charging infrastructure.

- Blink provides the fastest Level 2 EV chargers at no cost
- Blink coordinates site preparation and charger installation
- Blink applies for grant funds
- Blink reimburses for the cost of electricity
- Host location receives 50% net revenue
- Blink will provide EV charger operations and maintenance

Qualifying States



Virginia



West Virginia



Maryland



Washington D.C.

Program Details

The charging stations must be connected to the Blink network with network fees deducted from charging station revenue. An executed contract with Blink who owns and operates the EV charging equipment is required.



Sales@BlinkCharging.com or (888) 998.2546.

[BlinkCharging.com](https://www.blinkcharging.com)



Powering Cars for A Sustainable Tomorrow

24 Hubs – 6 EVSE

NETWORKED CHARGING HUB



Who Are We?

Greenspot was founded in 2014 in Jersey City, NJ to ameliorate growing transportation inefficiencies in densely populated environments.

Seven years later, Greenspot continues to work with both the private and public sectors, providing targeted services and solutions that address mobility challenges and environmental threats.

Greenspot Does All This With \$0 Taxpayer Dollars Spent.

Want Your City To Join The Electric Mobility Future?

Reach out to us

✉ Yaron@joingreenspot.com

☎ +1.201.284.8208

155 2nd Street Jersey City, NJ 07302

What Do We Do?

Greenspot is committed to revolutionizing modern mobility by facilitating electric vehicle adoption. Greenspot takes strategically located curbside parking spots, installs EV charging stations, and then adds a layer of shared electric mobility to those spots. All at no cost to cities.

Department of Energy Program

With a federal award from the Department of Energy, Greenspot plans to install 24 e-Mobility hubs consisting of 6 L2 chargers in Virginia, DC, Maryland, and West Virginia as a part a three-year ecosystem program. Greenspot will install an initial set of 24 e-Mobility hubs which includes 72 dual chargers and a total of 144 EV ports.

Our program brings equitable transportation options for all municipal residents, including environmental justice communities.

Greenspot is dedicated to reducing traffic, alleviating congestion, and decreasing harmful emissions in cities throughout the country. Electric vehicle infrastructure coupled with shared mobility significantly reduces pollution and congestion, makes cities safer, and places them on track to achieve sustainability goals.

Greenspot wants to help you achieve your goals!