

# Clean Cities Georgia

Sumner Pomeroy  
*Project Manager*

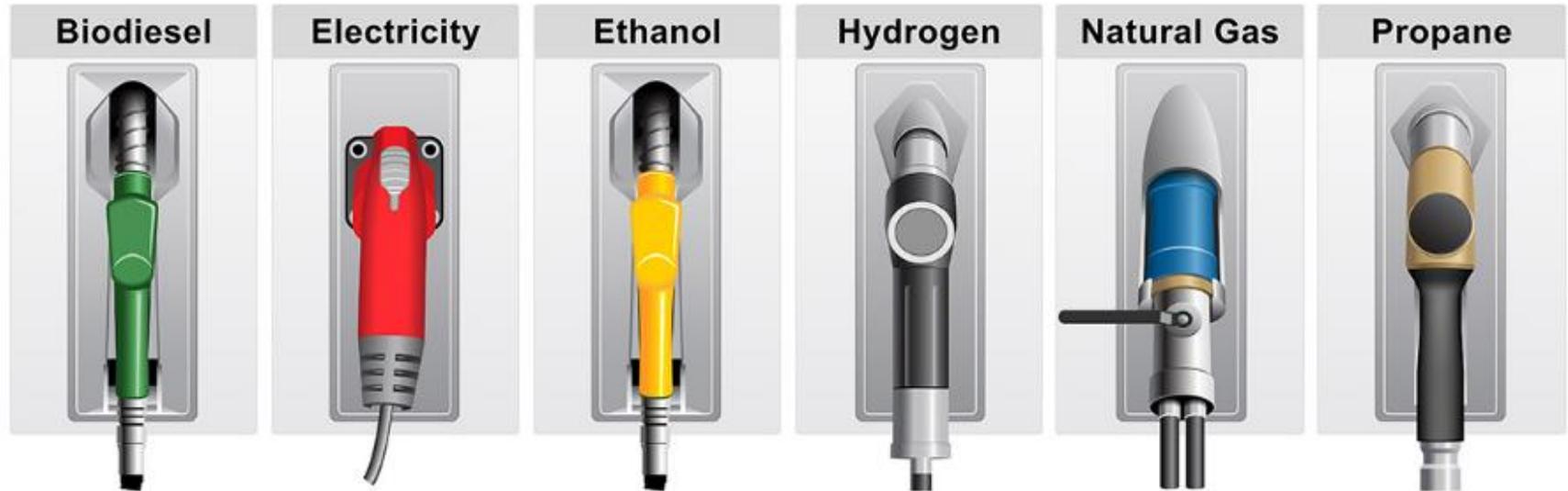


CLEAN CITIES COALITION NETWORK



# WHO WE ARE

- Part of the national Clean Cities Coalition funded by the Department of Energy's (DOE) Vehicle Technologies Office (VTO) since 1993
- Serve as a central coordinator for clean transportation activities in Georgia related to clean fuels, vehicles, and infrastructure
- Focused on reducing petroleum usage for individuals and fleets with domestic fuel sources



# National Network of Clean Cities Coalitions

Nearly 100 Clean Cities coalitions with thousands of stakeholders, representing more than 80% of the U.S. population.



\* Connecticut Clean Cities Include:  
- New Haven  
- Connecticut Southwestern Area  
- Capitol Clean Cities (Hartford area)

Map Date: 1/6/20

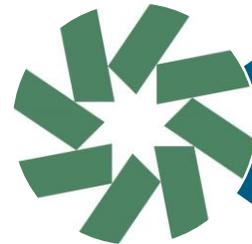
# Clean Cities Georgia Team



Frank Morris  
Executive Director



Sumner Pomeroy  
Project Manager



Host  
Organization



# Our Board



**Chairman: Ian Skelton, Atlanta Gas Light**

**Al Curtis, Cobb County**

**Arnie Braun, Cox**

**Bill Moore, Conger LP Gas**

**David Jaskolski, Peach State Trucks**

**Graham Foster, MHC Kenworth-Atlanta**

**John R. Seydel, City of Atlanta**

**Lincoln Wood, Georgia Power, Southern Company**

**Maria Geonczy, Georgia EPD**

**Robert Gordon, Dekalb County**

**Rodney Dill, Municipal Gas Authority of Georgia**

**Ryan Bankerd, UPS**

# WHAT WE DO

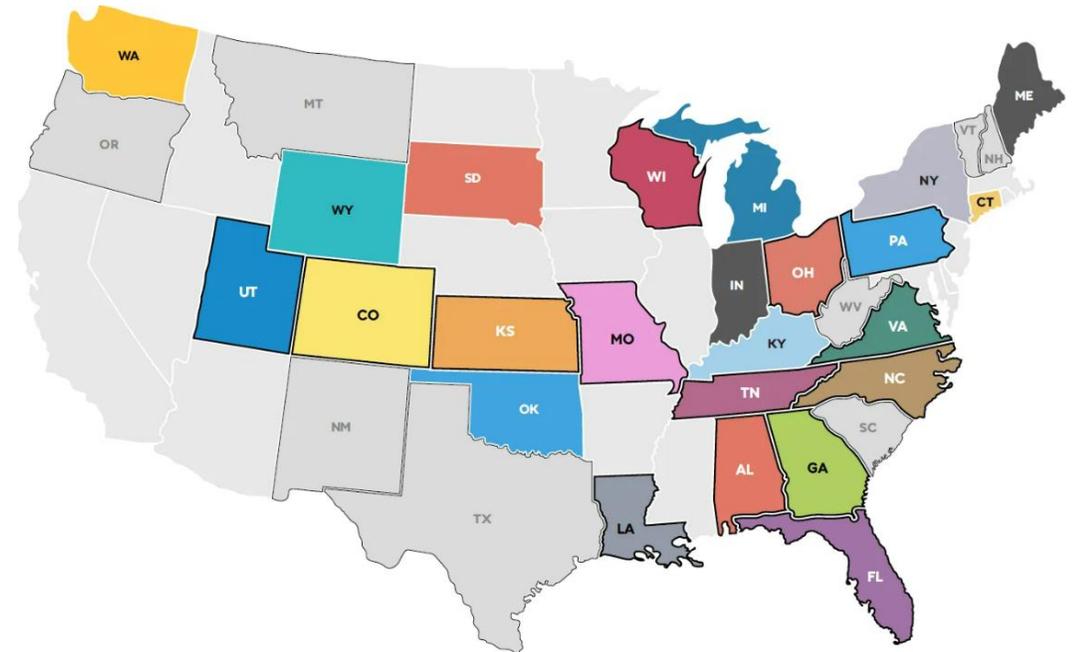
- Collaborative partner for Georgia stakeholders interested in:
  - alternative & renewable fuels
  - better air quality
  - emerging transportation technologies
- Grant managers helping fleets and community members win federal and state funding
- Education and outreach for AFVs and infrastructure



# Drive Electric Georgia



- Part of multi-state initiative called DRIVE EVs USA with 14 original states and growing
- Increase EV adoption and infrastructure through education and stakeholder engagement through six priority areas:
  - Consumer education
  - Utility engagement
  - State & local infrastructure planning
  - State and local government officials' education
  - Dealer engagement
  - Fleet engagement

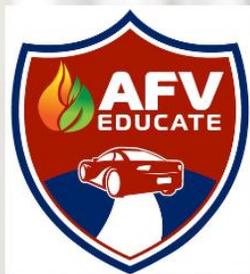


# EMPOWER Workplace Charging

- DOE funded workplace charging grant focused on equity with over 30 states involved
- Funded to increase education and outreach to local businesses to install charging stations
- Not funded for the installations but will be working to connect businesses with resources to help pay for install costs
- Justice 40 Initiative – 40% of all benefits must go to federally designated underserved communities



**EMPOWER**  
WORKPLACE CHARGING



# First Responders EV Training

November 29, 2022

10AM-11:30AM EST

Virtual

**DRIVE  
ELECTRIC  
GEORGIA**

**CLEAN CITIES  
GEORGIA**  
PARTNERSHIP FOR CLEAN TRANSPORTATION

Presentation by:  
Chris Womock



<https://www.cleancitiesgeorgia.org/events/>

# Electrify Your Community

Assess what EV Infrastructure exists and where there are gaps

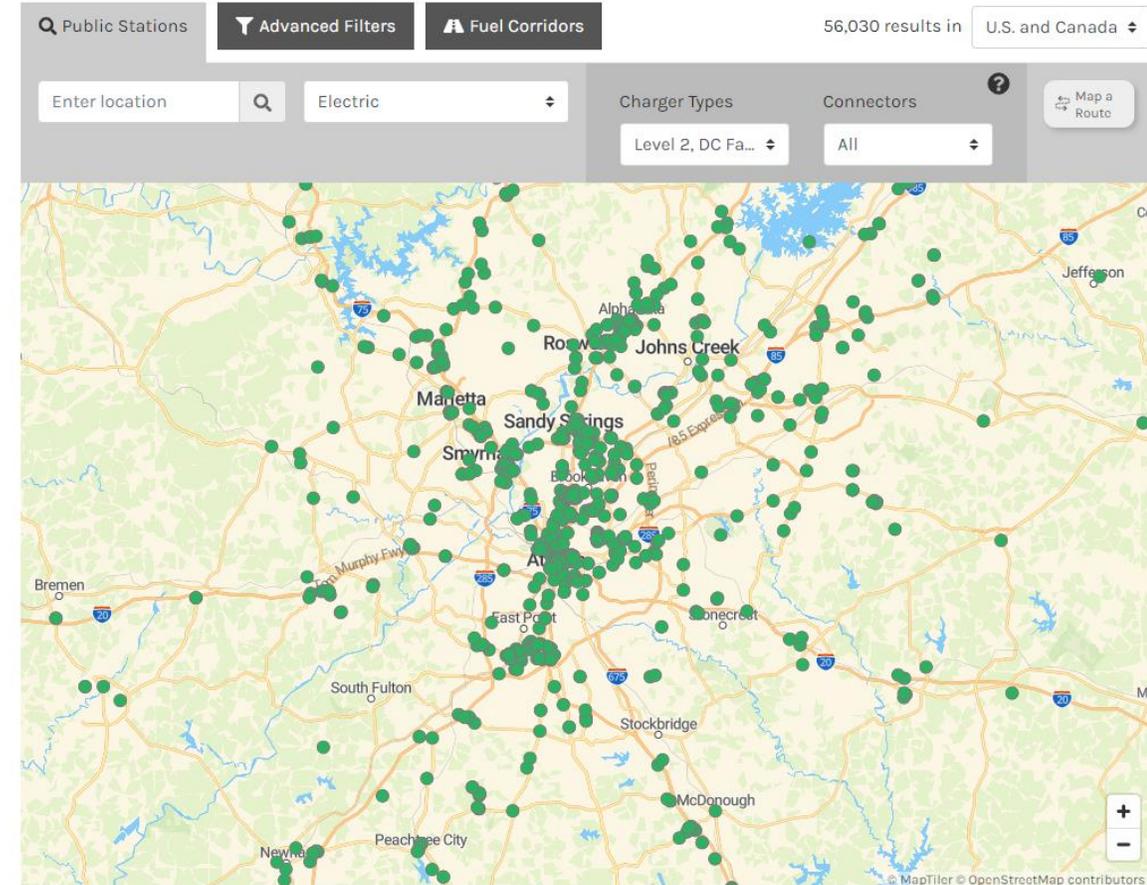
- Alternative Fuel Data Center: Station Locator Tool  
<https://afdc.energy.gov/tools> or App

Conduct Community Outreach and Engagement

- Work with local community-based organizations
- EV Clubs
- Host an EV Car Show

## Alternative Fueling Station Locator

Find alternative fueling stations in the United States and Canada. For U.S. stations, see [data by state](#). For Canadian stations in French, see [Natural Resources Canada](#).



# Electrify Your Community...

## Consider electrifying your fleet

- Local municipalities already using Nissan Leaf, Chevy Bolt, Ford Lightning, Mustang Mach-E
- EPA's Clean School Bus Program
- Check with CC-GA for connections to dealers and EVSE companies

## Check out other resources and tools

- Alternative Fuel Data Center ([afdc.energy.gov/tools](https://afdc.energy.gov/tools))
  - EV Pro-Lite Tool – estimate a city's needs for EV charging and the effect on the electric load
  - JOBS Model – estimate economic impacts of deploying charging infrastructure
- SACE's Electric Transportation Toolkit – [electrifythesouth.org/toolkit](https://electrifythesouth.org/toolkit)

# Electrify Your Community...

## Consider Funding Sources

- **Community Charging Grant Program:** \$1.25B to strategically deploy publicly accessible EV charging infrastructure and hydrogen, propane, and natural gas fueling infrastructure in communities – guidance by Nov 15<sup>th</sup>
- **Georgia Power Programs**
  - Community Charging: 2 parking spaces designed for EV charging for a 10-year license term, in areas with shopping and dining that is safe and accessible 24/7
  - Make Ready: Provides all infrastructure leading up to, but not including the charger, for areas needing 6-10 stations
- **Diesel Emission Reduction (DERA) Grants** with EPA – application opening soon!

# Electrify Your Community...

## Inflation Reduction Act

- Clean Vehicle Tax Credit
  - New Cars: up to \$7,500
    - \$3,750 if battery components manufactured/ assembled in North America
    - \$3,750 if minerals extracted/ processed in U.S. or countries with trade agreements
    - Final assembly done in North America
  - Used cars: up to \$4,000 for vehicles under \$25k and 2+ years old
- Commercial EV and Fuel Cell Tax Credit: up to \$7.5k for vehicles under 14k lbs and \$40k credit for vehicles above 14k lbs (can't be combined with Clean Vehicle Tax Credit)
- Heavy Duty ZEV and Infrastructure Grants – offered by February through the EPA for cost of a Class 6 or 7 EV, installation, and maintenance costs

## Federal and State Laws and Incentives

Find federal and state laws and incentives for alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.

**Federal**

**State**

[Recent Federal Actions](#)  
[Key Federal Legislation](#)

[Recent State Updates](#)  
[Local Examples](#)  
[Utility Examples](#)

[Search](#)  
by category or keyword

[See All](#)  
in summary tables

[Bipartisan Infrastructure Law](#)  
[Inflation Reduction Act](#)

Clean Vehicle Credit: Learn about the [electric vehicle tax credit](#) and find [EVs assembled in North America](#).

Search by Technology

[Biodiesel](#)

[Electric](#)

[Ethanol](#)

[Hydrogen](#)

[Natural Gas](#)

[Propane](#)

- IRA Summary:  
[afdc.energy.gov/laws](https://afdc.energy.gov/laws)
- Clean Vehicle Rebate by car:  
[www.electrifyatlanta.com](https://www.electrifyatlanta.com)

| Make & Model   | Electric Range | 0-60 MPH time | DCFC power | MSRP (w/o dest.) | after Federal tax credit |
|--|----------------|---------------|------------|------------------|--------------------------|
| <b>Nissan Leaf</b>   | 149-226 mi     | 6.5-8.0 sec   | 50-100 kW  | \$27.4k-\$37.4k  | <b>\$19.9k-\$29.9k</b>   |
| Affordable EV w/ cheap battery tech. Base "S" model is stripped; at least get DCFC option. Old Chademo plug complicates roadtrips.   |                |               |            |                  |                          |
| <b>Chevy Bolt EV / EUV</b>   | ~250 miles     | 6.3-7.0 sec   | 55 kW      | \$25.6k-\$31.7k  | <b>\$25.6k-\$31.7k *</b> |
| First affordable long-range EV on market in 2016, updated in 2021. Advanced "SuperCruise" driver assistance feature. Slower DCFC.  |                |               |            |                  |                          |
| <b>Mini Electric</b>   | 114 miles      | 6.9 sec       | 50 kW      | \$29.9k-\$36.9k  | <b>\$29.9k-\$36.9k *</b> |
| Iconic design. Drivetrain based on BMW i3 but front wheel drive. Low range and low DCFC power makes roadtrips difficult. No leasing.   |                |               |            |                  |                          |
| <b>Ford Mustang Mach-E</b>   | 224-303 mi     | 3.5-4.8 sec   | 150 kW     | \$43.9k-\$62.0k  | <b>\$36.4k-\$54.5k</b>   |
| RWD, AWD and GT variants. New "Plug and Charge" tech for seamless DCFC session start. Advanced "Blue Cruise" driver assistance.  |                |               |            |                  |                          |
| <b>Kia Niro EV</b>   | 239 miles      | ~7.8 sec      | 77 kW      | \$40.0k-\$44.7k  | <b>\$40.0k-\$44.7k *</b> |
| Features incl. heated & cooled seats. To be overhauled in 2023 but no drivetrain changes (so still slow DCFC). See also PHEV model.  |                |               |            |                  |                          |
| <b>Volkswagen ID.4</b>   | 260 miles      | 5.4-7.4 sec   | 125 kW     | \$41.2k-\$50.0k  | <b>\$41.2k-\$50.0k *</b> |
| VW's first serious EV. Available in slower RWD model and quicker AWD model.  |                |               |            |                  |                          |
| <b>Hyundai Ioniq 5</b>   | 220-303 mi     | 4.4-7.4 sec   | 240+ kW    | \$41.2k-\$56.2k  | <b>\$41.2k-\$56.2k *</b> |
| <b>Kia EV6</b>   | 232-310 mi     | 4.5-8.0 sec   | 240+ kW    | \$42.1k-\$57.1k  | <b>\$42.1k-\$57.1k *</b> |
| Both built on Korea's e-GMP platform with 800V drivetrain, enabling faster charging on roadtrips. Optional "power export" capability.  |                |               |            |                  |                          |
| <b>Polestar 2</b>  | 249-270 mi     | 4.5-7.0 sec   | 150 kW     | \$45.9k-\$54.9k  | <b>\$45.9k-\$54.9k *</b> |
| Volvo's sister brand for EVs brings their first pure electric to market, in RWD vs AWD and two battery (range) options. Google SW inside.  |                |               |            |                  |                          |
| <b>Tesla Model 3</b>   | 263-353 mi     | 3.1-5.8 sec   | 250 kW     | \$47.0k-\$63.0k  | <b>\$47.0k-\$63.0k *</b> |
| Tesla's 3rd gen car launched in 2018, now dominates EV market along w/ Model Y. Available in RWD, AWD and "Performance" variants. <b>All Teslas:</b> long range, incredible power; proprietary "supercharging" DCFC peaks at 250 kW but ramps down quickly to slower speeds;                           |                |               |            |                  |                          |
| <b>Volvo C40 / XC40 Recharge</b>   | ~225 miles     | 4.7 sec       | 150 kW     | \$54.6k-\$61.2k  | <b>\$54.6k-\$61.2k *</b> |
| Medium-sized SUV in two variants; AWD; range a bit low and 150 kW DCFC is not sustained for long; See also Volvo's PHEV models.  |                |               |            |                  |                          |
| <b>Ford F-150 Lightning</b>  | 230-320 mi     | 3.8-5.0 sec   | 150 kW     | \$59.5k-\$96.9k  | <b>\$52.0k-\$89.4k</b>   |
| Ford's EV pickup finally arrives. Huge frunk with power outlets. Note \$47k "Pro" trim level is not available to retail customers.   |                |               |            |                  |                          |
| <b>Tesla Model Y</b>   | 303-318 mi     | 3.5-4.8 sec   | 250 kW     | \$66.0k-\$70.0k  | <b>\$65.0k-\$70.0k *</b> |
| Taller CUV based on Model 3 with similar specs, dominates EV market. Available in "Long Range" and "Performance" models. <b>All Teslas:</b> unique, spartan interior w/ big touchscreen, few physical buttons; groundbreaking "FSD" (*not really); options add \$\$\$                                  |                |               |            |                  |                          |
| <b>Jaguar i-Pace</b>   | 246 miles      | 4.5 sec       | 100 kW     | \$71.3k          | <b>\$71.3k *</b>         |
| Luxurious crossover SUV. Std feat. include HUD, 360 deg view, WiFi hotspot. Only top HSE trim is currently offered. Slow-ish DCFC.   |                |               |            |                  |                          |
| <b>Audi e-tron</b>   | ~220 miles     | 5.5 sec       | 150 kW     | \$70.8k-\$89.3k  | <b>\$70.8k-\$89.3k *</b> |
| SUV in full size and "Sportback" variants. DCFC power 150 kW is sustained over session. Low-ish range. See also Q4 and GT variants.  |                |               |            |                  |                          |
| <b>Rivian R1T</b>  | 314-400 mi     | 3.0-3.5 sec   | 220 kW     | \$73.0k-\$97.0k  | <b>\$73.0k-\$97.0k *</b> |
| First electric pickup truck to market, extremely powerful, lots of "adventure" features. Weird tax credit situation. R1S SUV version soon.   |                |               |            |                  |                          |
| <b>Not shown here but also available in Georgia:</b> multiple luxury models including <b>Tesla</b> Model S and X, <b>Mercedes</b> EQS sedan and SUV, <b>Porsche</b> Taycan, <b>Lucid</b> Air, <b>GMC</b> Hummer; all have high performance numbers and \$100k+ price tags (and thus get no tax credit) |                |               |            |                  |                          |



# Questions?

For more info...

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[cleancities.energy.gov](http://cleancities.energy.gov)

[cleancitiesgeorgia.org](http://cleancitiesgeorgia.org)

[driveelectricgeorgia.org](http://driveelectricgeorgia.org)

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