



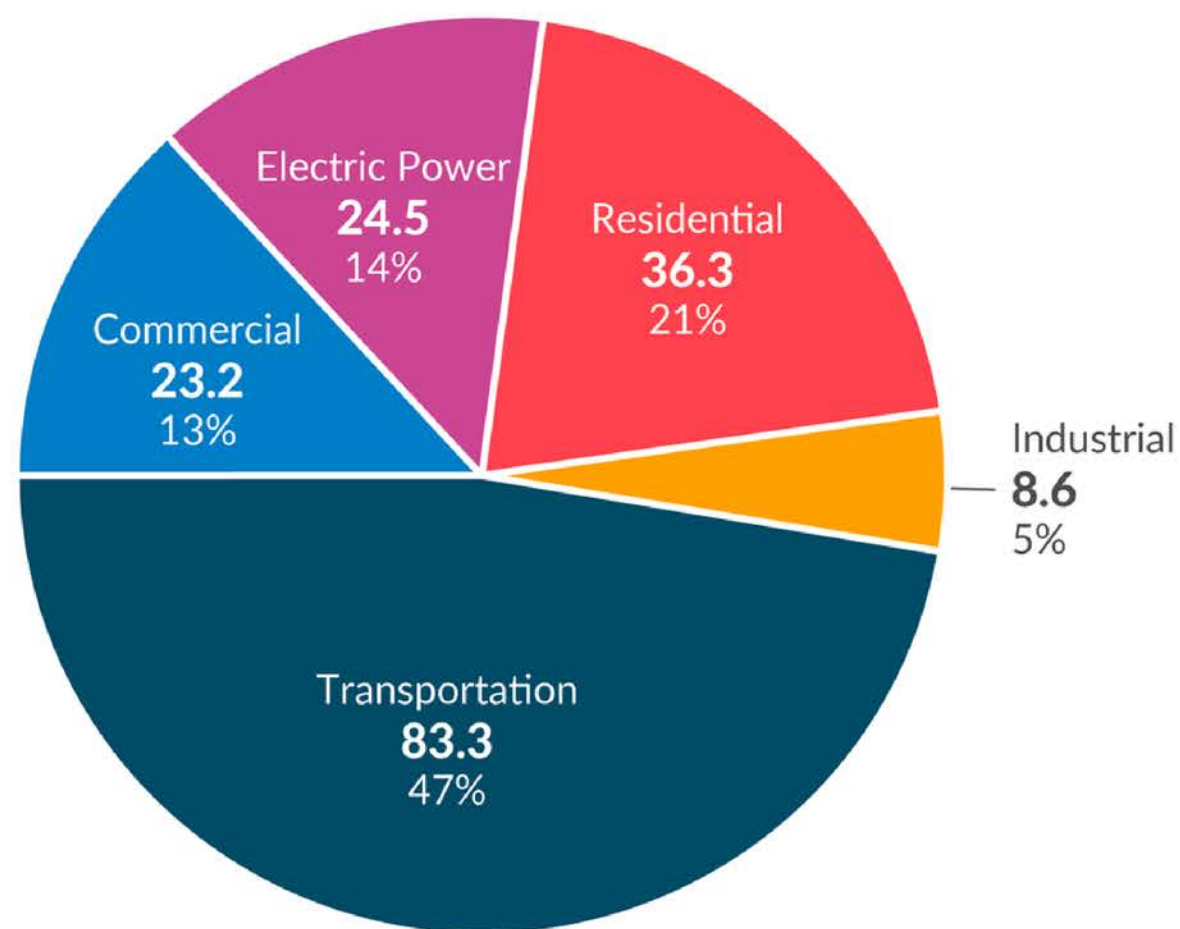
# NYMTC BROWN BAG SERIES: CLEAN CITIES PROGRAM & CLEAN TRANSPORTATION OPPORTUNITIES

June 2023



# EMISSIONS AND ALTERNATIVE FUEL TRENDS IN NYS

**Figure 1: Total New York State Emissions by Sector, 2018**  
(million metric tons of CO2 and share of total emissions)



**Source:** U.S. Department of Energy, Energy Information Administration, "State energy-related carbon dioxide emissions by sector" (accessed October 27, 2021).

| Alternative Fuel Type                | # of Publicly Accessible Stations in NYS |
|--------------------------------------|------------------------------------------|
| Biodiesel                            | 2                                        |
| Compressed Natural Gas (CNG)         | 28                                       |
| Ethanol (E85)                        | 69                                       |
| Electric Vehicle (EV) Charging Ports | 9,610                                    |
| Propane (LPG)                        | 42                                       |

## NATIONAL COALITIONS



# CLEAN CITIES

- The Clean Cities Coalition Network is made up of **75 coalitions** in the U.S.
- Celebrating 30 years!
- Dedicated to **reducing emissions and cutting petroleum consumption in the transportation sector**
- Helped to **deploy over 2 million** alternative fuel vehicles
- **6 Coalitions in NY:** Buffalo, Rochester, Central NY, Capital District, NYC & Hudson Valley, Long Island

## NEW YORK STATE COALITIONS



# WHAT WE DO

- Provide **education and outreach** to decision makers, fleets, and the public
- Offer **alternative fuel vehicle** planning support, training, and access to technical assistance
- **Connect fleets and municipalities** with alternative fuel providers, industry partners, and resources
- **Identify funding** and incentive opportunities
- **Collect and analyze** regional data
- Support Electric Vehicle and Alternative Fuel **Corridor planning**



# EMPIRE CLEAN CITIES



**Joy Gardner**  
Executive Director



**David Chernack**  
Program Manager



**Lauren Kesner-O'Brien**  
Policy and Partnerships Manager



**Lara Calkivik**  
Communications and  
Outreach Coordinator



**Manny Silva**  
Community  
Engagement Manager



**Zanasia Graham**  
Mission Electric Coordinator

We are a New York-based 501(c)(3) not-for-profit environmental organization.

Our mission is to **ensure clean air for future generations** by providing citizens and stakeholders with reliable information about alternative fuels and advanced vehicle technologies.

Mission Electric is our **EV campaign and online resource hub.**



# 2022 RECAP



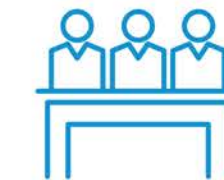
***Reduced annual carbon emissions by 133,751 tons***



***Supported partners with dozens of deployment grants, including 4 winning New York Clean Transportation Prizes***



***Conducted 15 outreach events in NY communities***



***Hosted and participated in over 40 stakeholder events, panels and webinars***



***Participated in U.S. Department of Energy Clean Cities' Energy and Environmental Justice Initiative***



***Developed partnerships with over 20 community based organizations***

# EXISTING & UPCOMING PROGRAMS



- Events including the Annual Stakeholder Meeting in Flushing Meadows, Queens in May and the Empire Clean Vehicle Festival in Union Square in the Fall
- Ride & Drive with TLC to showcase EV models available to for-hire vehicle drivers
- NY Clean Transportation Prize projects to accelerate the transition to a clean transportation future:
  - MDHD Public Fast Charging Station in Hunts Point
  - Revel Recharge Hub in Red Hook
  - NYC's first two hydrogen fuel cell buses in the Bronx
  - Piloting Energy as a Service
- NY Truck Voucher Incentive Program, a program that incentivizes fleets to acquire new zero-emission class 5-8 vehicles
- Continued school bus electrification support and outreach.
- Workplace charging support and outreach



**Rita Ebert**  
Coalition Director

# GREATER LONG ISLAND CLEAN CITIES COALITION



We are a Long Island based 501(c)(3) not-for-profit environmental organization.

Founded in 1996, GLICC covers Nassau & Suffolk Counties.

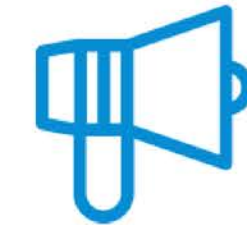
# 2022/23 RECAP



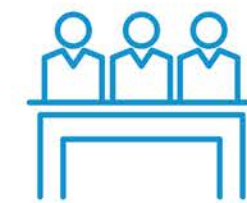
***Reduced annual carbon emissions by 30,801 tons***



***10,150 Alternative Fuel, Electric, Fuel Economy Improvement, Off- Road and Hybrid & Electric Plug-in Vehicles on the road in LI***



***Conducted 87 Meetings event and workshops in 2022 and 17 outreach events in Long Island communities***



***Hosted and participated in over 33 stakeholder events, panels and 2 workshops***



***Developed partnerships with over 20 community based organizations***

# EV SAFETY TRAINING FOR FIRST RESPONDERS



# THE BIPARTISAN INFRASTRUCTURE LAW

The Bipartisan Infrastructure Law (BIL) **established a slew of new clean transportation initiatives**—including the National Electric Vehicle Infrastructure (NEVI) formula program—and **over the next five years** will provide:

- \$5 billion for zero- and low-emission school buses
- \$39 billion for zero- and low-emission public transit buses
- \$7.5 billion for EV charging infrastructure

The BIL also created the **Joint Office of Energy and Technology**, which will administer technical assistance, develop technical programs, and execute other electrification-related programming



# FEDERAL OPPORTUNITIES



- **Businesses and tax-exempt organizations that buy a qualified commercial clean vehicle may qualify for a clean vehicle tax credit under Internal Revenue Code (IRC) 45W. The credit equals the lesser of:**
  - 15% of your basis in the vehicle (30% if the vehicle is not powered by gas or diesel)
  - The incremental cost of the vehicle
  - The maximum credit is \$7,500 for qualified vehicles with gross vehicle weight ratings (GVWRs) of under 14,000 pounds and \$40,000 for all other vehicles.
- **US DOE: Vehicle Technologies Office Program Wide Funding Opportunity Announcement: \$99.5M to advance clean vehicles and infrastructure nationally**
  - Concept Paper Deadline: June 26th, 2023
  -
- **EPA Diesel Emissions Reduction Act (DERA) Grants**
  - Deadline: TBA

- **USDOT: Charging and Fueling Infrastructure (CFI) Discretionary Grant Program**
  - The CFI Program will provide \$2.5 billion over five years to a wide range of applicants to strategically deploy EV charging and other alternative vehicle-fueling infrastructure projects in publicly accessible locations in urban and rural communities
    - Deadline: June 13, 2023
- **USDOT: National Infrastructure Project Assistance (Mega) Program**
  - The Mega Program provides \$1.8 billion to support large, complex projects that are likely to generate national or regional economic, mobility, or safety benefits. Eligible projects could include highway, bridge, freight, port, passenger rail, and public transportation projects of national or regional significance.
    - Deadline: August 21, 2023

**FEDERAL  
OPPORTUNITIES  
CONT.**



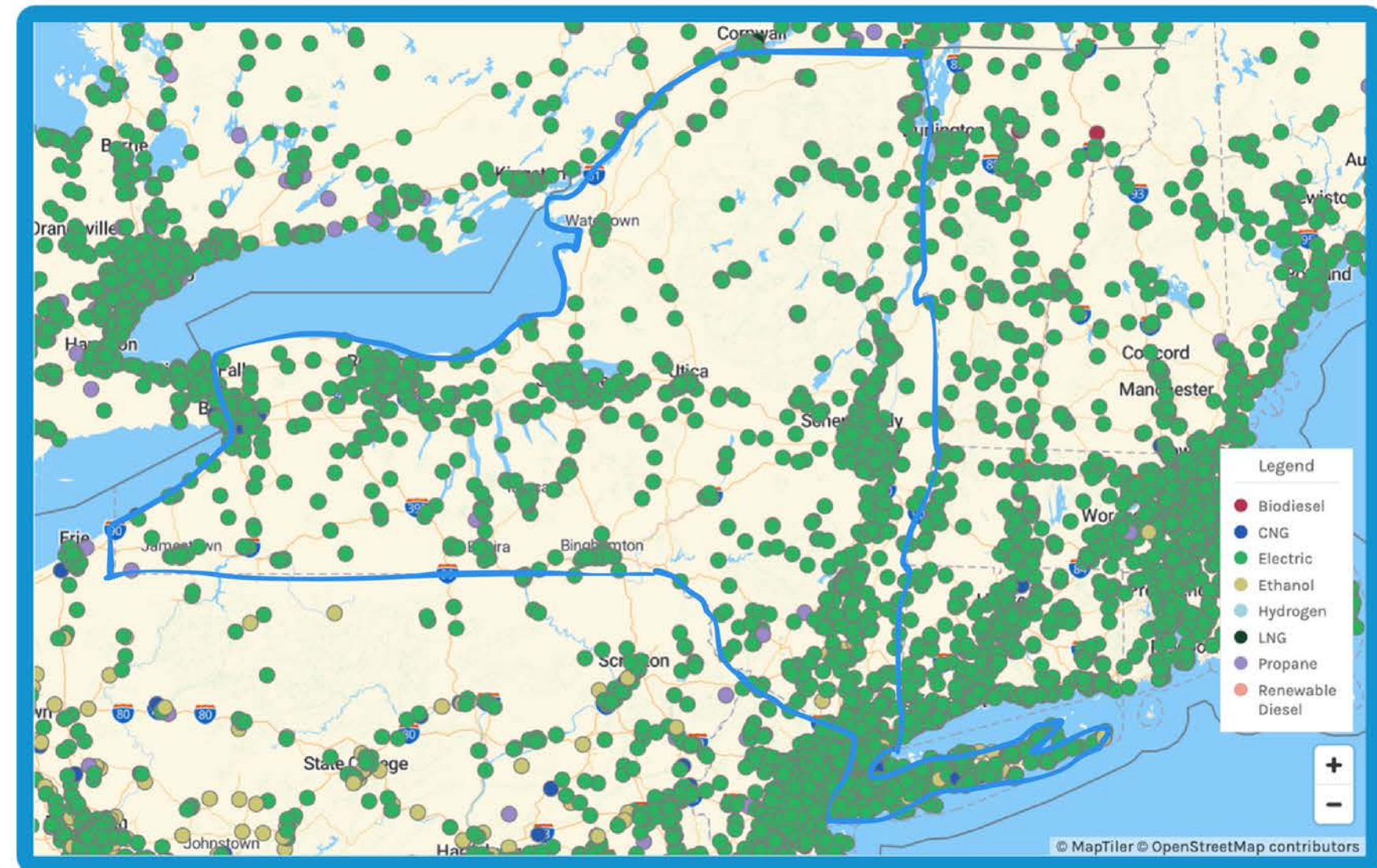
# FUNDING OPPORTUNITIES: NEW YORK STATE



- **Utility Make-Ready Programs** reduce the upfront costs of building Level 2 or DCFC charging stations and cover up to 100% of infrastructure costs associated with new charging stations
- The **New York Truck Voucher Incentive Program (NYTVIP)** and **New York Clean Trucks Program**—statewide and New York City-wide respectively—provide grants towards the purchase of alternative-fuel MDHD vehicles to incentivize the scrappage of pre-2009 diesel vehicles
- **New York's Drive Clean Rebate** provides a point-of-sale rebate of up to \$2,000 towards the purchase of an EV or PHEV in New York State
- **NYSDEC's Community Impact Grants** \$6 million is currently available for community based organizations to address environmental harms facing historically underserved communities disproportionately burdened by environmental pollution

# RESOURCES & TOOLS

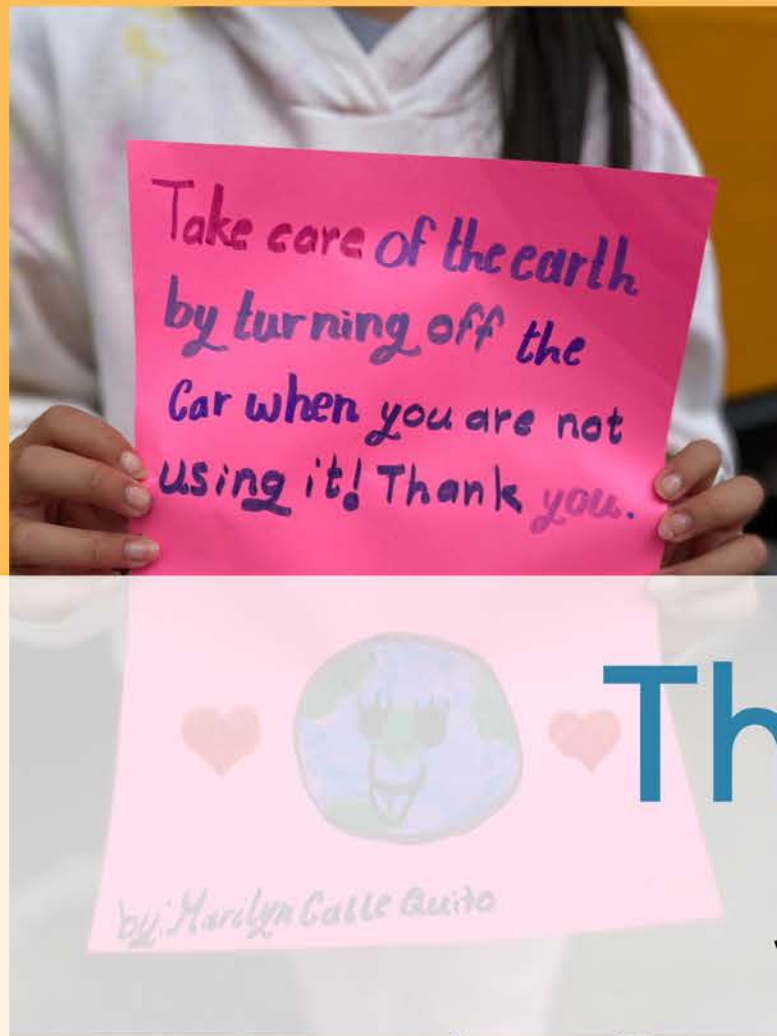
- **Alternative Fuel Data Center ([afdc.energy.gov](https://afdc.energy.gov)) tools:**
  - Alternative Fuel and Advance Vehicle Search Tool—find the right vehicle for you or your fleet based on range, efficiency, power, and more
  - Vehicle Cost Calculator—calculate the annual or lifetime running costs of a vehicle
  - Overview of alternative fuels, including benefits and considerations
  - Case Studies
  - Alternative Fuel Station locator and infrastructure development resources
  - Laws, incentives, and fuel pricing on a local, regional, and national level



- **FuelEconomy.gov**
  - Information on different vehicle models' efficiency and more
- **Emissions and Cost Saving Tools:**
  - Alternative Fuel Life-Cycle Environmental & Economic Transportation (AFLEET) examines both the environmental and economic costs and benefits of Alt Fuels
  - Heavy-Duty Vehicle Emissions Calculator (HDVEC) builds on the AFLEET tool, with considerations for scrappage
- **NYSERDA**
  - Charge NY is New York State's initiative to get more electric cars and trucks on the road
  - Clean Energy Communities (CEC) and Climate Smart Community (CSC) Programs—providing resources and funding for communities that take clean energy and climate-smart actions, like installing EV infrastructure
- **CLEAN CITIES COALITIONS!** - connection to a nationwide network of fleets and alt. fuel projects. Find your local coalition: [cleancities.energy.gov](https://cleancities.energy.gov)
- Technical Assistance and Tiger Teams

## RESOURCES & TOOLS CONT.





**Thank You!**  
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