

NEW YORK STATE CLIMATE SMART COMMUNITIES

Municipal Fleets: Opportunities for Cost-Savings and Greenhouse Gas Reduction

Background

The transportation sector is the second largest contributor to greenhouse gas (GHG) emissions in the United States. In the northeast, emissions from the transportation sector are the largest source of ground level ozone (the primary component of smog).

New York State Executive Order No. 24 (2009) established a statewide emissions target to reduce GHG emissions to 80% below 1990 levels by 2050. In 2012, the federal government set new fuel-efficiency standards – the US fleet must average 54.5 MPG by 2025.

Hybrid, electric and alternative fuel vehicles can help reduce GHG emissions, lower operating costs, and lessen our dependence on foreign oil. Municipalities can take advantage of a variety of models and vehicle types.

Funding Opportunities and Incentives

- *New York State Electric Truck Voucher Incentive Program*
 - Municipal fleets operating Class 3-8 vehicles in Nassau and Suffolk Counties are eligible for vouchers to offset the cost of upgrading to electric battery drive trucks. Vouchers are \$20,000 for each of the eligible program vehicles. Program funding is \$19 million: <https://truck-vip.ny.gov/fleets.php>.
- *New York State Clean Air School Bus Program*
 - Funding for retrofit of school buses with clean air school bus equipment and idling reduction equipment and alternative fuel school buses. Total funding for the program is approximately \$1.7 million. Please visit <http://www.nyserda.ny.gov/Funding-Opportunities/Closed-Funding-Opportunities/PON-1896-New-York-State-Clean-Air-School-Bus-Program>
- *Federal Tax Credit for Electric Vehicles*
 - While the federal tax credit is generally intended for private vehicle owners, tax exempt government agencies may be able to use this credit to negotiate a lower purchase price. The tax credit can be claimed by the electrical vehicle dealer, potentially resulting in cost-savings for both parties: www.fueleconomy.gov/feg/taxevb.shtml
- *Municipal Leasing*
 - Leased vehicles can reduce front-end capital costs and allow communities to maintain modern, fuel-efficient fleets. The New York State Office of General Services offers a wide range of vehicles for lease available through State Contracts: www.ogs.ny.gov/purchase/spg/lists/gp_404.asp
 - The Association for Governmental Leasing & Finance website provides answers to *Frequently Asked Questions About Tax-Exempt Municipal Leasing*: <http://www.aglf.org/faq>

New York State Climate Smart Communities is a program of the state departments of Environmental Conservation, State, Transportation, Health, Energy Research and Development Authority; and Public Service Commission.



Resources

- *US Department of Energy, Alternative Fuels Data Center*
 - Vehicle Cost Calculator: Total cost of ownership and emissions for most vehicles, including alternative fuel and advanced technology vehicles: www.afdc.energy.gov/calc
 - Alternative fueling station locator: alternative fueling/charging stations database. Includes biodiesel, CNG, ethanol, hydrogen, LNG, propane, charging stations: www.afdc.energy.gov/locator/stations
- *How Public Sector Fleets Can Take Advantage of Electric Vehicle Tax Credits*
 - Case study on tax credits, dealer bid competition and cost-savings: www.greenfleetmagazine.com/article/51258/how-public-sector-fleets-can-take-advantage-of-ev-tax-credits
- *Argonne GREET Fleet Footprint Calculator*
 - Measures the petroleum usage and greenhouse gas emissions of medium- and heavy-duty vehicles and off-road equipment. Users can compare different alternative fuels and vehicle technologies to help with future purchases: greet.es.anl.gov/files/fleet-calculator-2012
- *Greater Long Island Clean Cities Coalition (GLICCC)*
 - Resources and support services to reduce petroleum use in the transportation sector with alternative fuels, advanced technology vehicles, and fuel economy measures: www.gliccc.org
- *Electric Auto Association*
 - Support for, information and news on electric passenger cars and trucks at: www.electrcauto.org
Long Island chapter: www.lieaa.org
- *Plug In America*
 - Support for and information on: electric and plug-in hybrid electric vehicles, electric vehicle supply equipment (charging stations) and more: www.pluginamerica.org

Vendors

- *Motorworks Long Island*
 - Electric and FlexFuel vehicle dealer, including trucks, vans, buses, passenger cars, and utility vehicles: www.cleanvehiclesny.com
- *Smith Electric*
 - Manufacturer of multi-purpose electric trucks. Building new Bronx factory: www.smithelectric.com
- *Proterra, Inc.*
 - Manufacturer of electric buses and FastFill electric charging infrastructure: www.proterra.com
- *NetworkFleet*
 - Wireless fleet management to decrease fuel use, optimize vehicle utilization, decrease maintenance costs with vehicle diagnostics, and improve driver management: www.networkfleet.com

For more information on Climate Smart Communities: www.dec.ny.gov/energy/50845.html
For assistance from Cameron Engineering & Associates, LLP - an independent contractor to NYSERDA:
please contact CSC@cameronengineering.com

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