



**NYSERDA**

# **EV Incentives for Municipalities**

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**NYSERDA**

# Policy Drivers in New York

- In New York, the transportation sector is the largest contributor to greenhouse gas emissions. PEVs can significantly reduce CO2 emissions.
- Last year, Governor Cuomo announced the establishment of the Clean Energy Standard that 50 percent of New York's electricity come from renewable energy sources by 2030.
- By 2030, the 50 percent renewable goal will be a critical component in reducing greenhouse gas emissions by 40 percent from 1990 levels.
- Reducing greenhouse gas emissions is a priority for NYSERDA and is a key component of Governor Cuomo's Reforming the Energy Vision, or REV, a strategy to build a clean, resilient and affordable energy system for all New Yorkers.
- To accomplish these goals we need to work with counties and local governments to make the environment healthier for all New Yorkers.

# Multi-State ZEV MOU

- In October 2013, Gov. Cuomo and seven other governors (CA, CT, MA, MD, OR, RI, VT) signed an MOU agreeing to cooperate to expedite the deployment of zero emission vehicles (EVs and fuel cell vehicles)
- Agency staff developed an action plan, which includes incentives, collaborative programs and research
- Focus areas include marketing, incentives, fleets, infrastructure planning and regulation, signage, and workplace charging
- NYS is implementing elements for our state

# ChargeNY

- In the 2013 State of the State Address, Gov. Cuomo outlined a plan to:
  - Expand infrastructure to have 3,000 public and workplace charging stations and 30,000 – 40,000 PEVs statewide by 2018
  - Reform State and local regulations to facilitate PEV charging
  - Educate consumers and policymakers about the benefits of PEVs
  - Demonstrate new PEV technologies

# New York State: Progress To Date

- Over **16,000** EVs and PHEVs registered in NYS
- Approximately **1,600** Charging Stations in NYS
- Over a decade of **research on EVs and Charging Stations**
- Continued work on **breaking down regulatory and technical barriers**

# Types of EV Incentives in NYS

- Financial
  - EV rebate (upcoming)
  - Charging Station tax credits, grants, rebates
- Convenience
  - HOV lane access
  - Reduced tolls
  - Preferred parking (select communities)
- Informational
  - Charging data
  - Best practice guides

# NYS EV Programs

- EV Truck Voucher Program
- Municipal Charging Station & EV Rebates (DEC)
- Aggregate EV Purchasing for Public Fleets
- NYPA EVSE purchasing contract
- EV Connect municipal EVSE project
- EV Rebate (upcoming)
- Additional Charging Station Incentives (upcoming)
- EV Consumer Outreach and Education
- EV-related R&D Grants



## Truck Voucher Incentive Program



[www.truck-vip.ny.gov](http://www.truck-vip.ny.gov)

\$19 million dollars

# DEC Municipal ZEV Rebate Program

- Rebates are available to municipalities for:
  - **Purchase/lease of eligible clean vehicles**
    - Up to \$5,000 per vehicle, based on electric range
    - No match required
  - **Eligible infrastructure projects** for charging/fueling eligible clean vehicles
    - Up to \$250,000 per facility
    - Networked electric vehicle supply equipment (EVSE) or hydrogen fuel cell
    - 20% match requirement
- Offered on the NYS Grants Gateway (<https://grantsgateway.ny.gov>)
- Deadline March 31, 2017 or until funds are exhausted
- Questions? [ZEVrebate@dec.ny.gov](mailto:ZEVrebate@dec.ny.gov)



Climate Smart  
Communities

# Vehicle Rebates

- Eligible clean vehicles:
  - have a battery with at least **4 kWh capacity**
  - can be **recharged from an external source of electricity** or from a hydrogen fuel cell
  - maximum speed capability of at least **55 mph**
- Must be purchased or leased at a dealership within New York State
- Costs beginning April 1, 2016 are eligible.



# Rebate Parameters - Vehicles

- Up to **\$750,000** total available for clean vehicles
- **\$2,500** rebate for vehicles with electric range of **10-50 miles**
- **\$5,000** rebate for vehicles with electric range of **50+ miles**



# Infrastructure Rebates

- Eligible infrastructure projects are any facility, not including a building and its structural components, used **primarily for public** charging and/or fueling of eligible clean vehicles
- Rebates up to \$250,000 per facility



# Rebate Parameters - Infrastructure

- Match requirement - **20% of requested rebate amount**
- Up to **\$1,250,000** total available for electric vehicle charging infrastructure
  - Electric Vehicle Supply Equipment (EVSE)
  - Direct Current (DC) Fast Charging
- Up to **\$1,000,000** total available for hydrogen fuel cell infrastructure

# Electric Vehicle Charging Infrastructure

- NYS will pay no more than 80% of an estimated reasonable baseline cost =
  - **\$8,000 per port** for EVSE
  - **\$32,000 per pedestal** for DC Fast Charge
- Level 2 networked EVSE required
- Up to 2 years of charging cost can be eligible



# Making Rebate Awards

- Eligible Clean Vehicles – **first come, first served** until funds are exhausted within the category
- Eligible Infrastructure – first come, first served **for projects that accumulate a minimum number of technical criteria points** until funds are exhausted within the category



# Important Dates

- **After December 31, 2016**, all remaining funds from all categories will be pooled and awards will be first come, first served for eligible projects regardless of category, until funds are exhausted.
- This round **closes on March 31, 2017**.



# DEC Rebate Program Questions?

- [ZEVrebate@dec.ny.gov](mailto:ZEVrebate@dec.ny.gov)
- NYSDEC Office of Climate Change
- 518-402-8448



# Save on EVs! - Join the 2<sup>nd</sup> Aggregate Purchase

- NYS initiative organized by DEC and OGS
- Savings of ~11% via 1<sup>st</sup> aggregate purchase
- Open to any authorized user of state contracts
- One purchase for plug-in hybrids
- One purchase for pure battery electric vehicles
- Bid forms due to OGS by **February 15, 2017**
- For questions, contact [Pamela.HadadHurst@dec.ny.gov](mailto:Pamela.HadadHurst@dec.ny.gov) or [Anna.Eckstein-Burns@ogs.ny.gov](mailto:Anna.Eckstein-Burns@ogs.ny.gov)



# Other Funding Sources Available Now

- EV Connect (NYSERDA contractor) municipal charging project.
- Up to \$4,000 per port installed
- David Hughes
  - [david@evconnect.com](mailto:david@evconnect.com)

# Other funding sources Available Now

- New York Power Authority
  - Discounted EVSE
  - Design and Construction assistance
  - On bill financing for NYPA customers
  - John Markowitz
  - [John.Markowitz@nypa.gov](mailto:John.Markowitz@nypa.gov)

# Other Funding Sources Upcoming

- NYSERDA upcoming PEV incentive program.
- Up to \$2,000 per vehicle
- Incentives paid to dealer and the incentive is taken off the sale price of the vehicle at the time of sale.

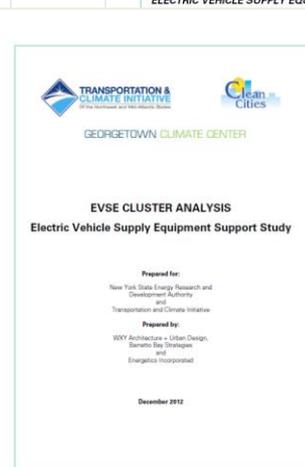
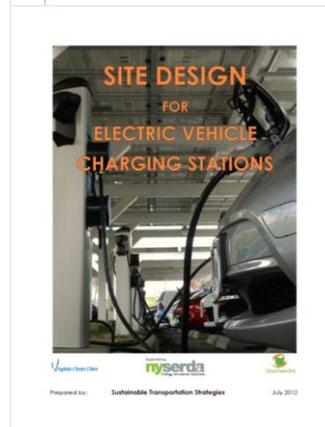
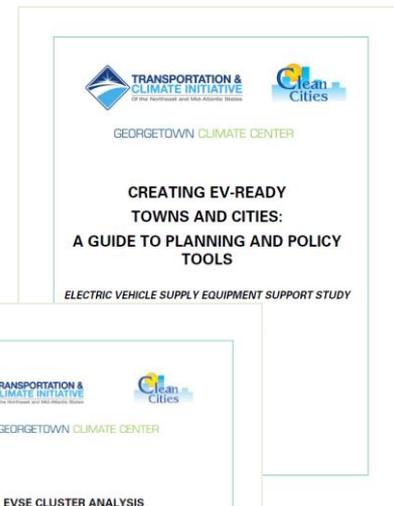
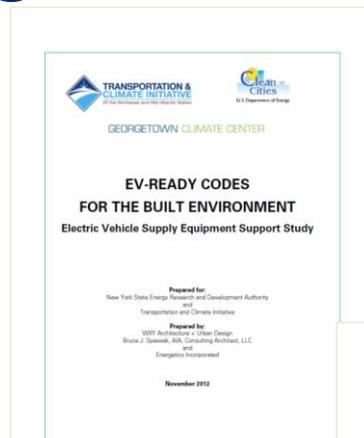
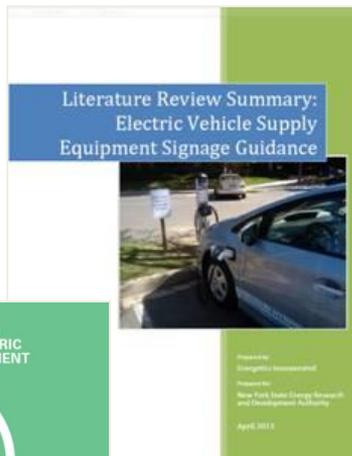
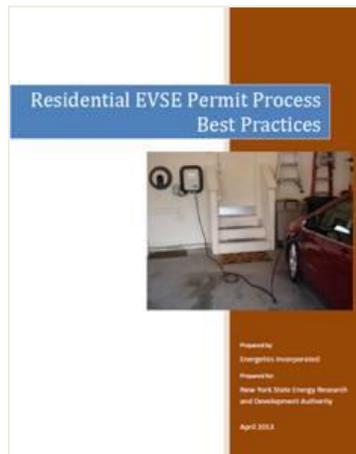
# Other Funding Sources Upcoming

- Upcoming NYSERDA EVSE purchasing consortium Q3 2017
  - Aggregated bids for EVSE from multiple manufacturers
  - Acts similar to state bid
  - NYSERDA provides incentive to buy down the cost for municipalities that buy and EVSE under the contract.
  - Up to 100% of the purchase cost. Municipality responsible for installation

# PEV Research Program Upcoming

- Seeks to remove barriers to PEV adoption in New York through:
  - Innovative strategies for PEV utilization
  - Innovative outreach, education or marketing
  - Proving the value proposition of PEVs in the market
  - Research on specific barriers to adoption

# Best Practice Guides



# For More Information

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(518) 862-1090 x3322

Best practice guides and a lot of additional information are available at

[www.nyserda.ny.gov/chargeny](http://www.nyserda.ny.gov/chargeny)