



Department of
Environmental
Conservation



Climate Smart
Communities

Clean Fleets for Municipalities: State Support for Zero-Emission Vehicles (ZEV)

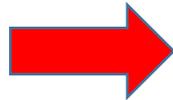
This webinar will start shortly.

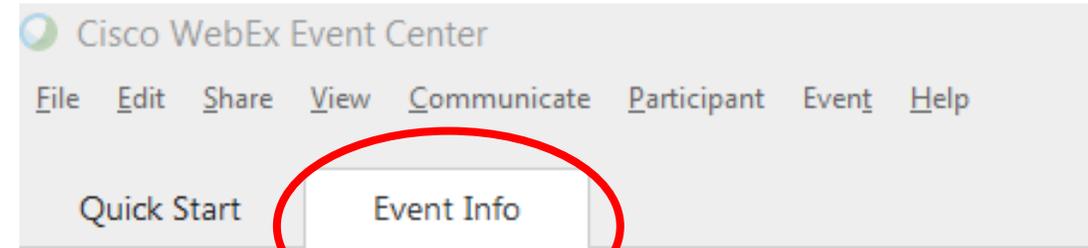
Office of Climate Change
NYS Department of Environmental Conservation
September 2016

Welcome!

Today's topic: *Clean Fleets*

Connect to the audio with your phone by

- 1) going to the “***Event Info***” tab for call-in details, and
- 2) entering ***your unique attendee ID*** when prompted. 



Clean Fleets for Municipalities

Smart Communities Webinar

Host: Dazzle Ekblad

Audio connection: Local 1-518-549-0500
Toll Free 1-844-633-8697
[More call-in numbers](#)

Access code: 640 971 652

Attendee ID: 3

Today's webinar topic:

Clean Fleets for Municipalities

Problems or technical questions?

Use WebEx chat



Content questions for speakers?

Use WebEx Q&A



The screenshot displays the WebEx interface with the following elements:

- Top Navigation Bar:** Contains icons for Participants, Chat, Recorder, and Q&A. The Chat and Q&A icons are circled in red.
- Participants (1):** A dropdown menu showing the current number of participants.
- Speaking:** A section for the current speaker, showing "Dazzle Ekblad (Host, me)".
- Panelists (1):** A dropdown menu showing the number of panelists.
- Attendees (0):** A dropdown menu showing the number of attendees.
- Chat:** A section for chat messages, with the "Chat" header circled in red.
- Q&A:** A section for questions and answers, with the "Q&A" header circled in red. It shows "All (0)" questions.
- Send to:** A dropdown menu set to "All Participants".
- Send:** A button to send the message.
- Character Limit:** A note stating "Select a question, and then type your answer here. There is a 256-character limit."
- Buttons:** "Send" and "Send Privately..." buttons at the bottom.

Agenda

- **Announcements** – Mark Lowery, DEC
- **Update on State-Level Electric Vehicle Aggregate Procurement Programs** – Pam Hadad Hurst, DEC
- **Aggregated EV Charging Station Procurement with the New York Power Authority** – Nathan Anctil, NYPA
- **Incentives for ZEVs in NYSERDA's Clean Energy Communities** – Jessica Waldorf, NYSERDA
- **Climate Smart Communities Municipal ZEV Rebate Program** – Nancy Welsh, DEC
- **Q & A** – All speakers, plus Robert Waterfall, DEC

Upcoming Events

- Sept. 10-17: National Drive Electric Week– events across NYS.

<https://driveelectricweek.org>

Binghamton, Delmar, Freeport, Ithaca, Kingston, Pleasantville, Poughkeepsie, Rochester, Syracuse, Jones Beach, White Plains

- Sept. 19-25: Climate Week (<http://www.climateweeknyc.org>) – watch for DEC announcements
- Oct. 8, 10:30 AM: CSC Webinar on NYStretch – energy stretch code
- Nov. 2-3: State of New York Sustainability Conference Higher Education Institutions, New Paltz. <https://sites.newpaltz.edu/sustainability/conference/>

State-Level Electric Vehicle Aggregate Procurement Programs

Pam Hadad Hurst

Aggregate Procurement

NYS DEC and NYS OGS aggregated a bid for Chevrolet Volts

- 3 state agencies and 12 municipalities participated
- Bid placed on NYS Auto Marketplace for 63 vehicles
- Volt MSRP - \$34,235.00
- Winning bid - \$29,493.45
- Savings - \$4,741.55

EV Smart Fleets

Inter-state effort to leverage the purchasing volume of public fleets across the country in order to reduce vehicle and infrastructure costs, improve contract terms, provide access to a wider range of EV models, and expand access to charging infrastructure. This multi-state procurement will be issued and managed by the National Association of State Procurement Officials (NASPO) through its ValuePoint Program.

More information and survey at www.evsmartfleets.com

NYPA's Aggregate EV Charging Station Procurement Program

Nathan Anctil, NYPA

NYPA Partnership – EV Charging Stations

- NYPA recently completed a competitive request for proposals (RFP) process for electric vehicle supply equipment (EVSE)
- Bid was for 300 EVSE – quantity discount through aggregation
- A contract award recommendation will be submitted to NYPA’s board in late September
- State and local government entities can contract with NYPA under the energy efficiency program to use this contract
- Can be hardware only or full turnkey installation
- If you have a NYPA cost recovery agreement in place, you are eligible to use this EVSE contract
- Having a NYPA cost recovery agreement allows you to take advantage of other NYPA energy efficiency services
- NYPA Contact: **John Markowitz**
- Email: john.markowitz@nypa.gov
- Phone: **914-390-8209**



Incentives for ZEVs in NYSERDA's Clean Energy Communities

Jessica Waldorf, NYSERDA

Relationship between Climate Smart Communities Certification (CSCC) and Clean Energy Communities (CEC)

Climate Smart Communities Certification

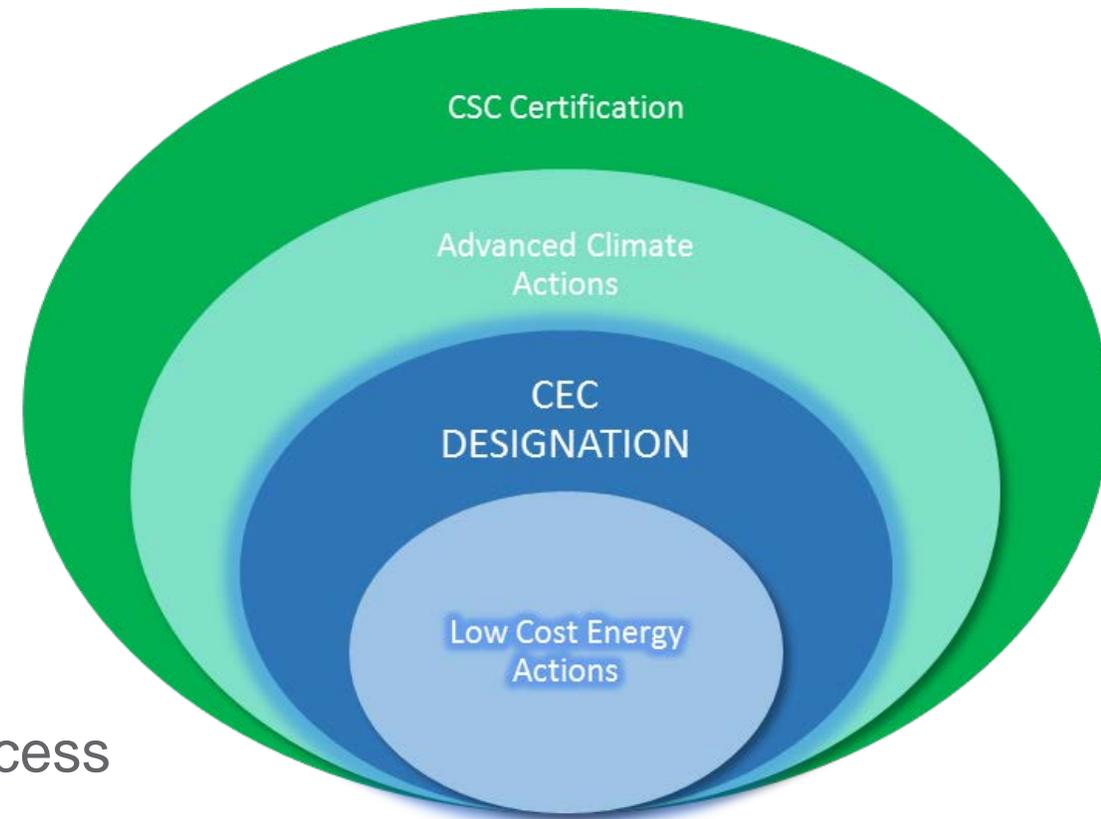
- Comprehensive climate program
- 138 unique actions
- Accumulate points toward certification
- Grants available for select actions via CFA

Clean Energy Communities

- Focused on clean energy
- 10 High-Impact Actions
- Complete 4 actions to be designated and gain access grant funding

➤ **Complementary programs**

➤ **Most CEC actions correspond with CSCC actions**



NYSERDA



**Department of
Environmental
Conservation**

NYSERDA's Clean Energy Communities Program

Provides **rewards and recognition** to city, town, village, and county governments that demonstrate clean energy leadership

STEP 1: Earn the **Clean Energy Communities** designation by completing **4 out of 10 high-impact actions**. (One action must be completed after August 1st, 2016.)

STEP 2: Access **grant funding**, up to \$250K with no local cost share, to support additional clean energy projects

Dedicated and knowledgeable **local coordinators** are available to assist communities as they implement high-impact actions i.e. free on-demand technical support, decision support, step-by-step guidance, case studies, model ordinances, RFPs, etc.

Email cec@nyserda.ny.gov to access this support.

10 CEC High-Impact Actions

1. Benchmarking
2. Clean Energy Upgrades
3. LED Street Lights
4. **Clean Fleets**
5. Solarize
6. Unified Solar Permit
7. Energy Code Enforcement Training
8. **Climate Smart Communities Certification**
9. Community Choice Aggregation
10. Energize NY Finance



CEC High-Impact Action: Clean Fleets

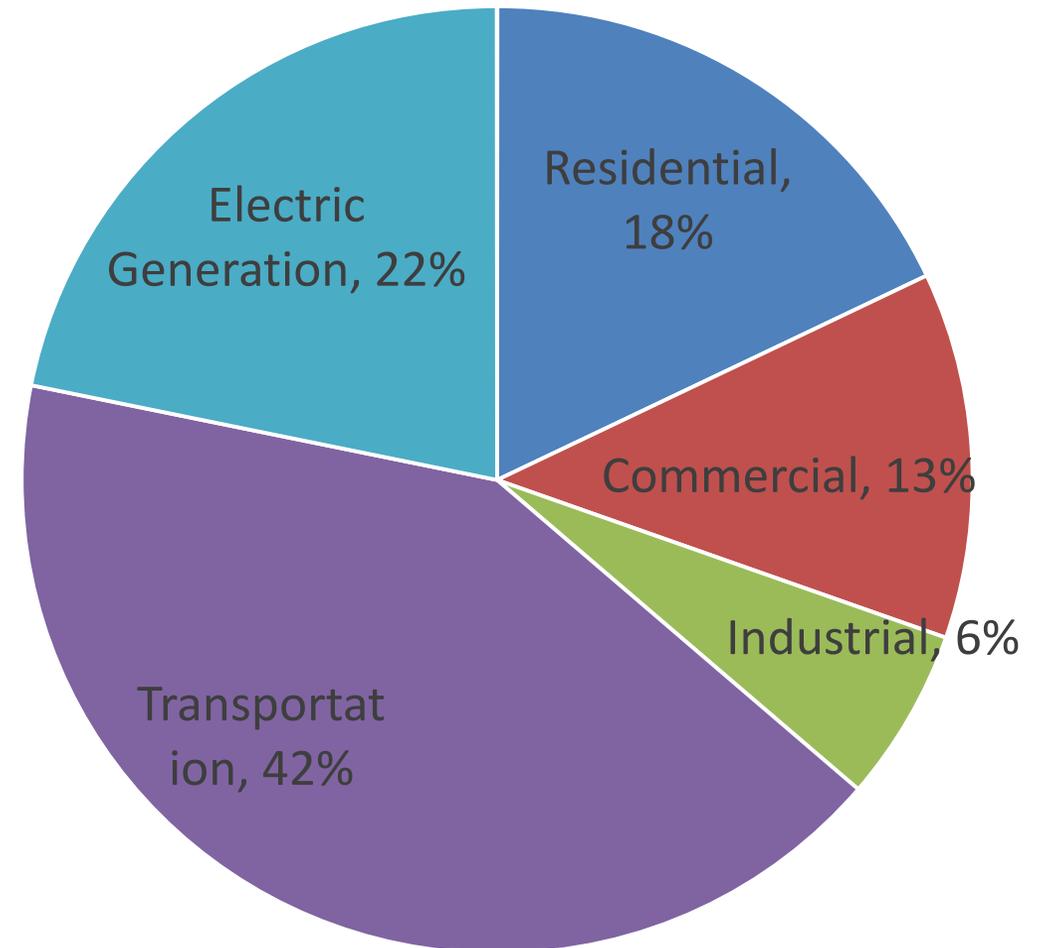
- Clean Fleets is an effort by local governments to invest in alternative fuel vehicles and infrastructure while increasing opportunities for constituents to access electric vehicle charging stations.
- Compared to gasoline-powered cars, Electric Vehicles (EVs) are more energy efficient and cost about 50 to 70% less to operate per mile. Clean vehicles reduce greenhouse gas emissions and pollutants that cause climate change, smog and acid rain.
- Charging stations are being installed at a wide variety of locations across New York State. In communities large and small, urban and rural, there are sites well-suited to hosting charging stations.
- Simple and consistent EV charging station permitting processes can cut costs and reduce delays associated with installing charging stations.



CEC High-Impact Action: Clean Fleets

- Transportation accounts for about 40% of the greenhouse gas emissions in New York State.
- NYS has one of the cleanest electrical grids in the country.
- Economic development, air quality, and soil and water quality benefits.
- Encourage more widespread EV adoption.

GHG Emissions by Fuel Consumption - NY



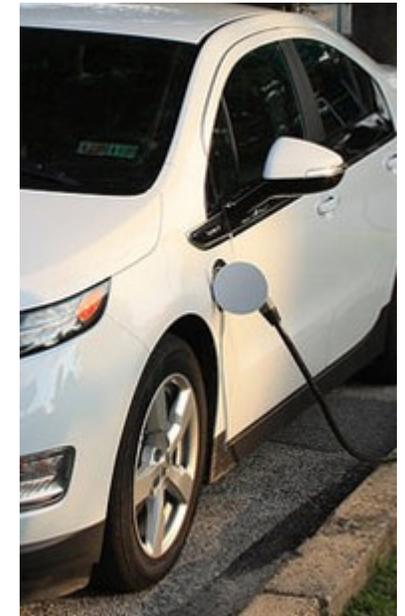
Requirements for CEC Clean Fleets Action

Demonstrate completion of the Clean Fleets high-impact action by submitting the following documentation to NYSERDA:

- Provide at least one electric vehicle charging station or compressed natural gas (CNG) fueling station.

OR

- Deploy at least one alternative fuel vehicle in the municipal fleet. Qualifying alternative fuel vehicles include plug-in electric vehicles, CNG vehicles, and hydrogen fuel cell vehicles.



Clean Fleets Recommendations

- Gauge local and regional demand for alternative fueling stations and consider the most appropriate fuel type for the area.
- Assess the feasibility of an alternative fueling station.
- Note that incentives are available to assist applicants with adopting streamlined permitting or other ordinances that facilitate the installation of electric vehicle supply equipment under the Streamlined Permitting funding opportunity. For more information, visit www.nyserda.ny.gov/cec



Tools and Resources for Clean Fleets

[New York State Office of General Services Vehicle Marketplace](#)

The New York State Vehicle Marketplace is where local governments can purchase competitively priced cars and trucks including alternative fuel vehicles from a variety of vehicle dealers.

<https://vehicles.nyspro.ogs.ny.gov/>

[Creating EV-Ready Towns and Cities: A Guide to Planning and Policy Tools](#)

This guide highlights best practices and introduces policy options for public officials and private-sector leaders seeking to prepare their communities, jurisdictions, states or organizations for EVs.

[Technical Support](#)

Dedicated and knowledgeable local Clean Energy Coordinators are available to help municipal officials implement the Clean Fleets action. To access this support, please send an email to cec@nyspda.ny.gov



Tools and Resources for Clean Fleets (cont.)

Charging Station Locator

New York State has many public charging stations, and more are added daily. The DOE's Charging Station Locator (http://www.afdc.energy.gov/fuels/electricity_locations.html) is an interactive mapping tool that can display available charging stations by location.

Electric Vehicle Calculator

NYSERDA's EV Calculator (<https://nyserda.wattplan.com/>) estimates potential cost savings and emission reductions from buying an EV, based on where you live, how much you drive, and the model of EV you're considering. It can also calculate the benefit of switching to powering your home with solar panels, which can increase the benefits of driving an EV.

For More Information

Clean Energy Communities program:

www.nyserda.ny.gov/cec

CEC Clean Fleets Online Toolkit:

<https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Communities/Clean-Energy-Communities-Program-High-Impact-Action-Toolkits/Clean-Fleets>

For assistance, contact cec@nyserda.ny.gov

Zero-Emission Vehicles (ZEV) & ZEV Infrastructure Rebates for Municipalities

Nancy Welsh, NYSDEC

Environmental Protection Fund (EPF) FY16/17

- New Title 15 “Climate Smart Community Projects” added to Article 54 of Environmental Conservation Law (the EPF)
 - Funding for adaptation and mitigation projects, including flood mitigation and coastal and riparian resiliency,
 - climate change adaptation planning,
 - greenhouse gas reductions outside the power sector, and
 - **clean vehicle projects.**

Grants Gateway Opportunity Portal

Website:

https://grantsgateway.ny.gov/IntelliGrants_NYSGG/module/nysgg/goportal.aspx

- Click on “**Browse Now**”.
- Click on “**Search for Opportunities**”.
- Type “**ZEV**” into “Search by Grant Opportunity” box and click “Search”.
- Click on the relevant ZEV opportunity (**vehicles** or **infrastructure**).
- Click on “View Grant Opportunity” to open or download the **Request for Applications**.

Clean Vehicle Projects

Rebates will be available **to municipalities** for

- purchase or lease for no less than 36 months of **eligible clean vehicles**
- **eligible infrastructure projects** for charging and/or fueling of eligible clean vehicles

Clean Vehicle Rebates

- Eligible clean vehicles are propelled at least in part by an **electric motor** drawing electricity from a battery with at least **4 kWh capacity** and which can be **recharged from an external source of electricity** or from a hydrogen fuel cell.
- Rebates up to \$5000 per vehicle, depending on the vehicle's electric range.
- Must be purchased or leased from 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**
 - e.g., Toyota Prius, Ford Fusion Energi
- **\$5,000** rebate for vehicles with electric range of **50+ miles**
 - e.g., Chevrolet Volt, Nissan LEAF
- No more than \$375,000 (50% of total) will be awarded to a single municipality

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
- No more than \$625,000 (50% of total) will be awarded to a single municipality

EV Charging Information Resources

- NYSERDA's **ChargeNY** website:
<https://www.nyserda.ny.gov/Cleantech-and-Innovation/Electric-Vehicles>
- **plugincars.com** guide: <http://www.plugincars.com/ev-charging-guide-for-businesses.html>
- USDOE's **Workplace Charging Basics** website:
<http://energy.gov/eere/vehicles/workplace-charging-station-basics>

Hydrogen Fuel Cell Infrastructure

- No more than \$750,000 (75% of total) will be awarded to a single municipality
- Reminder – eligible costs are costs **by a municipality**

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

Timing of Rebate Awards

- Awards can be made any time **beginning October 17, 2016.**
- **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.**

How to Apply

- Applications will be accepted through the **NYS Grants Gateway Grant Opportunity Portal** (grantsgateway.ny.gov)
 - You must first **register** through the Grants Reform Website (grantsreform.ny.gov/Grantees)
 - Download the “Registration Form for Administrator” and follow the instructions – **MAIL** it to the address specified

Rebate Program Questions?

ZEVrebate@dec.ny.gov

NYSDEC Office of Climate Change

518-402-8448

Other Questions?

- Office of Climate Change
- NYS Department of Environmental Conservation
- 625 Broadway
Albany NY 12233-1030
- climatechange@dec.ny.gov
- 518-402-8448

Webinar slides and recordings will be posted at

<http://www.dec.ny.gov/energy/84359.html>

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