

NYSERDA'S CLEAN ENERGY COMMUNITIES PROGRAM

A partnership between NYSERDA, CDRPC, and HVRC.



PRESENTATION OVERVIEW

- 10 High Impact Actions
- Hudson Valley Regional Council
Technical Support
- Program Education



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10 HIGH-IMPACT ACTIONS

- Benchmarking
- Clean Energy Upgrades
- LED Street Lights
- Clean Fleets
- Solarize
- Unified Solar Permit
- Energy Code Enforcement Training
- Climate Smart Communities Certification
- Community Choice Aggregation
- Energize NY Finance



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BENCHMARKING Benefits

- Buildings in New York State account for over **60% of energy use**.
- Benchmarking lets you compare energy usage across buildings and identify where you can cut energy waste.
- Benchmarking helps you make smarter investment decisions and financially rewards you for improved efficiencies.
- Municipalities that implement Benchmarking can expect to:
 - Identify energy saving opportunities in buildings
 - Address a major source of emissions – buildings
 - Spark investment in energy saving upgrades
- New York City required annual benchmarking of energy and water use for public sector buildings since 2010 and for large private sector buildings since 2011.
 - NYC achieved an 84% compliance rate in 2012.
 - DOE estimates NYC saw a cumulative energy savings of 5.7% and savings of over \$267 million.



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BENCHMARKING

What is it?

- Benchmarking:
 - Measures a building's energy use.
 - Compares its use to the average for similar buildings and at similar points in time.
 - Allows owners and occupants to understand their buildings' relative energy performance.
 - Helps identify opportunities to cut energy waste.
- The EPA's online tool, ENERGY STAR Portfolio Manager, is used to measure and track energy consumption and greenhouse gas emissions.
- To complete the Benchmarking high impact action,
 - Municipalities adopt a **policy** to report the energy use of municipal buildings on an annual basis.
 - Large cities, towns, or villages, must also adopt **legislation** requiring the annual disclosure of energy use in large private buildings.



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BENCHMARKING Eligibility & Requirements

All communities are eligible to pursue this high impact action. Demonstrate completion of this action by submitting the following documentation.

For small and medium size communities (0-39,999) and all county governments:

- Submit copy of adopted legislation.
- Legislation requires applying jurisdiction to make publicly available on the internet on an annual basis, energy use information for each municipal building that is owned or occupied by the applying jurisdiction that is 1,000SF or larger.
- At a minimum, publicly disclosed energy use information shall include each building's EUI, annual GHG emissions, and an energy performance score where available.

For large cities, towns, and villages (40,000+):

- Submit copy of adopted legislation as described for small communities.
- Also include a requirement for the owners of commercial and multifamily buildings 25,000SF or larger to also comply.



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High Impact Action 1

CLEAN ENERGY UPGRADES Benefits

- Replacing outdated equipment with new smart and efficient technologies positions municipalities to **save energy and money**.
- State programs can help municipalities implement projects with no or low up-front costs while generating net savings to improve bottom lines.
- Everything from municipal headquarters to public works facilities, fire stations, police precincts, park facilities, and water treatment plants are good candidates for upgrades.
- The Town of Williamson installed a 7 acre 1.5 MW solar array to meet 100% of the electrical needs for all of its municipal facilities.
 - 25-year PPA allowed for no upfront payment.
 - The project took advantage of “remote net metering”.
 - The total project cost of \$3.5 million resulted in \$27,000 in annual electricity cost savings.
 - Government operations carbon footprint was cut by 100%.



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High Impact Action 2

CLEAN ENERGY UPGRADES

What are they?

- Clean Energy Upgrades are energy efficiency and renewable energy projects in local government buildings and facilities.
- Examples of Clean Energy Upgrades:
 - Interior & exterior lighting upgrades
 - Building HVAC controls/building management, systems, motors & VSDs, boiler & chiller plant upgrades
 - Building envelope, like doors & windows, insulation
 - Domestic water heating systems
 - Water and waste water facilities' motors & VFDs, controls, digester gas systems
 - Renewable energy projects, like PV, geothermal heat pumps, wind turbines.
- To complete the Clean Energy Upgrades high impact action, municipalities need to achieve a 10% reduction in GHG emissions from municipal buildings through energy efficiency upgrades and renewable energy.



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High Impact Action 2

CLEAN ENERGY UPGRADES Eligibility & Requirements

All communities are eligible to pursue this high impact action.
Demonstrate completion of this action by submitting the following documentation.

- Submit an EPA Portfolio Manager benchmarking report, including energy use information for each municipal building that is owned or occupied by the applying jurisdiction that is 1,000SF or larger.
 - The report should include as the baseline at least 12 months of the portfolio's energy use from the year prior to the date of the upgrades.
- Submit documentation that demonstrates a minimum 10% reduction in GHG emissions against the baseline.
- Submit a complete Clean Energy Upgrades Calculator to determine the percentage reduction in GHG emissions across a portfolio of buildings.
- Up to 50% of required GHG reductions may be achieved with renewable energy sources.
 - Solar / Wind / Geothermal / Premium-efficiency Wood Pellets / Anaerobic Digester Gas
- Upgrades must have been substantially completed after January 1, 2014.

High Impact Action 2



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CLEAN ENERGY UPGRADES Project Implementation

- State programs can help municipalities implement projects with no or low up-front costs while generating net savings to improve bottom lines.
 - **NYPA Energy Services:** Provides turn-key energy efficiency upgrades to municipal buildings of qualifying jurisdictions. NYPA and their contractors handle every aspect of design and construction. NYPA offers low-interest rate financing and projects can typically be accomplished with no or low up-front costs.
 - **DASNY Construction Services:** Offers design and construction services on a complete management or services-as-needed basis for municipal projects.
 - **EPC:** Can be used to procure energy savings and facility improvements with no or low up-front capital costs.
 - **PPA:** Typically used for renewable energy projects, payments are based on energy produced by the project. PPAs require no initial capital outlay or project development cost for the owner and allow municipal entities to benefit from federal tax benefits.
- **In-House Resources:** Municipalities may procure and install equipment using in-house resources.



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High Impact Action 2

LED STREET LIGHTS

Benefits

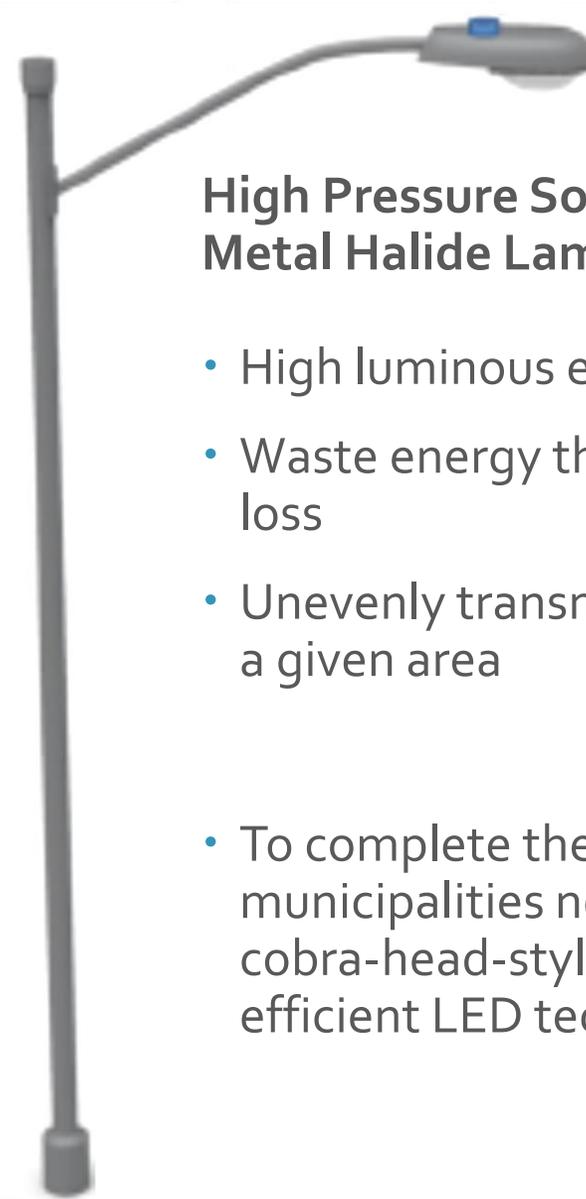
- Replacing conventional street lights with energy efficient LED technology reduces communities' street light energy use by as much as **65-70%**.
- Just 20 Mid-Hudson municipalities can save the region nearly 80 million kWh, saving \$6.5 million over 15 years.
- Street light projects contribute to creating a well-lit and safer community.
- LED street lights last up to 100,000 hours and require much less maintenance than conventional street lights.
- Communities do not need to own their streetlights to convert those in their jurisdiction to LEDs.
- In 2014 the City of Yonkers converted all street lights to LEDs.
 - By 2019, Yonkers will decrease its 2014 annual street lighting electricity cost of \$2.8 million by 65%.
 - Yonkers will also see a reduction in GHG emissions by over 10%.



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LED STREET LIGHTS

What are they?



High Pressure Sodium or Metal Halide Lamps

- High luminous efficacy
 - Waste energy through heat loss
 - Unevenly transmit light over a given area
-
- To complete the LED Street Lights high impact action, municipalities need to convert at least 50% of the municipal cobra-head-style streetlights within the jurisdiction to energy efficient LED technology.

Light-Emitting Diodes

- High luminous efficacy
- Longer life span.
- Emit lower amounts of heat
- Transmit light evenly across larger areas



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LED STREET LIGHTS

Eligibility & Requirements

All communities are eligible to pursue this high impact action. Demonstrate completion of this action by submitting the following documentation.

- Submit documentation showing a minimum of 50% of all municipal and utility-owned cobra-head-style street lights have been converted to LED within geographic jurisdiction.
 - Documentation should include number of street lights converted, including proportion of converted cobra-head street lights to total cobra-head street lights.
- Complete and submit the LED Street Light Calculator for your project.
- To qualify, convert a minimum of 10 fixtures.

Note regarding municipalities with utility-owned streetlights:

- Municipalities may work with utility company to upgrade to utility-owned LEDs.
- Municipalities may pursue a negotiated agreement with utility company for ownership transfer of complete streetlights system and supporting infrastructure.



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High Impact Action 3

LED STREET LIGHTS

Project Implementation

- Consult with NYSERDA to identify which LED conversion and technology options best meet your economic and operational goals.
- For utility-owned streetlights, check with your utility regarding options for converting street lights to LED.
- Purchasing utility-owned streetlights:
 - Governor Cuomo's 2015 Streetlight Replacement & Savings established procedures for transfer of streetlight system ownership from a utility to a municipality.
 - PSC requires utilities to establish process to facilitate transfer of ownership, including a negotiated price.
 - Municipality files application with PSC.
- LED conversion options for municipally-owned street lights:
 - Issue an RFP for an EPCs, with no or low up-front capital costs
 - Piggyback on a contract from another municipality
 - Participate in NYPA's LED Street Light Program, using low-interest rate financing
 - Use in-house resources to purchase and install LEDs.



CLEAN FLEETS

Benefits

- EVs are more energy efficient and cost about **50 to 70% less** to operate per mile than gasoline-powered cars.
- Clean vehicles reduce GHG emissions and pollutants that cause smog and acid rain.
- Simple and consistent EVCS permitting processes can cut costs and reduce delays associated with installing EVCS.
- EVCS are being installed across all NYS communities.
- In 2015, Ulster County purchased 4 PHEV sedans and converted all UCAT vehicles to Biodiesel (B5).
 - Conducted county fleet analysis and government operations GHG inventory. Found that 35% of GHGs produced by county fleets.
 - Chose PHEV and Biodiesel for a 20x greater GHG emissions reduction compared to LPG.
 - Installed 9 EVCS using ChargeNY funding; free use.
 - Established Green Fleet Policy: 5% of fleet by 2020 will be Green Vehicles, with the addition of 20% of new passenger vehicle purchases after 2020.



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CLEAN FLEETS

What are they?

- Clean Fleets is an effort by local governments to invest in alternative fuel vehicles and infrastructure while increasing opportunities for constituents to access EVCS.
- Clean Fleets include vehicles that use alternative fuels, such as electricity, natural gas, biodiesel, ethanol, hydrogen, or propane.
- Many vehicles produce zero tailpipe emissions, such as:
 - BEV, battery electric cars that run solely on electricity
 - FCV, hydrogen fuel cell cars that generate electricity from hydrogen
- To complete the Clean Fleets high impact action, municipalities must:
 - Install an EVCS or CNG fueling stationOR
 - Deploy at least one plug-in electric vehicle, CNG vehicle, or FCV in the municipal fleet.



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CLEAN FLEETS

Eligibility & Requirements

All communities are eligible to pursue this high impact action. Demonstrate completion of this action by submitting either of the following documentation.

- Submit documentation to demonstrate municipal provision of at least **one EVCS or CNG fueling station**.
 - EVCS must consist of either two (2) or more Level 2 charging ports or one (1) or more DC fast charge ports.
 - Equipment may have been installed any time prior to application date, but must be active at the time of submittal.
 - The municipality or a state or local government entity located wholly within the municipality (i.e. a parking authority) must own or lease the equipment.
 - Alternative fuel supply infrastructure may be used for government operations or public use.
- Submit copy of documentation to demonstrate municipal deployment of at least **one alternative fuel vehicle** in the municipality's fleet.
 - Qualifying alternative fuel vehicles include plug-in electric vehicles, CNG vehicles, and FCV. Vehicles may be light-, medium-, or heavy-duty.
 - Vehicles may have been purchased or leased at any time prior to the application date, but must be active at the time of submittal.

High Impact Action 4



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CLEAN FLEETS Project Implementation

- Before you begin:
 - Gauge local and regional demand for alternative fueling stations and consider the most appropriate fuel type for the area.
 - Assess feasibility of an alternative fueling station.
- Implementation assistance:
 - Streamlined Permitting funding is available to assist applicants with adopting streamlined permitting or other ordinances that facilitate the installation of EVSE.
 - Local governments can purchase competitively priced cars and trucks, including alternative fuel vehicles from a variety of vehicle dealers on the New York State Office of General Services Vehicle Marketplace.
 - [Creating EV-Ready Towns and Cities: A Guide to Planning and Policy Tools](#) highlights best practices and introduces policy options for public officials and private-sector leaders seeking to prepare their communities, jurisdictions, state, or organizations for electric cars.



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SOLARIZE Benefits

- Solar electric systems offer several advantages:
 - No GHG generation.
 - Offsets upfront installation costs with **immediate savings**.
 - Little required maintenance—panels often last longer than 20 years.
 - Provide power during outages if combined with battery backup systems.
 - Community Distributed Generation, or Shared Solar, offers these benefits to those who cannot put solar on their property.
- Municipalities that run a Solarize campaign can expect to:
 - Save property owners money with bulk purchasing.
 - Support good local jobs in the solar industry.
- Solarize Westchester, to date, has resulted in 400+ residential and commercial solar installations totaling 3.8 megawatts of capacity.
 - 14 municipalities participated.
 - 8 municipalities adopted the NYS Unified Solar Permit; 9 adopted other solar-friendly changes to their permit processing procedures.



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SOLARIZE

What is it?

- NYSERDA's Community Solar NY program supports community Solarize projects.
 - Solarize is a short term (approx. 6-9 months), local effort that brings together groups of potential solar customers through widespread outreach and education
 - Solarize campaigns help customers choose a designated solar installer(s) that offers competitive, transparent pricing, and quality installations.
 - Solarize campaigns typically lower the cost of solar 10% to 20%. The more customers who sign up, the greater the savings.
 - To complete the Solarize high impact action, municipalities must:
 - Demonstrate direct municipal participation in a recently completed Solarize campaign.
 - Provide a list of at least 10 local solar customer that resulted from the Solarize campaign.
- OR
- Work with NYSERDA to plan and implement a new Solarize campaign.
 - Provide a list of at least 10 local solar customer that resulted from the Solarize campaign.



SOLARIZE Eligibility & Requirements

All communities are eligible to pursue this high impact action. Demonstrate completion of this action by submitting either of the following documentation.

- For *prior* Solarize campaigns, demonstrate direct municipal participation in previous rounds of NYSERDA Community Solar NY.
 - Solarize campaign must have been launched after January 1, 2014.
 - Documentation may include commitment letter submitted with Community Solar NY application, press release, event flyers within jurisdiction, Solarize website screenshot, newspaper article, or adopted resolution.
 - List of at least 10 Solarize campaign customers within jurisdiction.
- For *new* Solarize campaigns, contact NYSERDA to ensure all requirements are met to earn credit for this action. Additional submission documentation includes:
 - Attendance at a PV Trainers Network workshop.
 - Completed Solarize Campaign Scoping Document.
 - List of at least 10 Solarize campaign customers within jurisdiction.



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High Impact Action 5

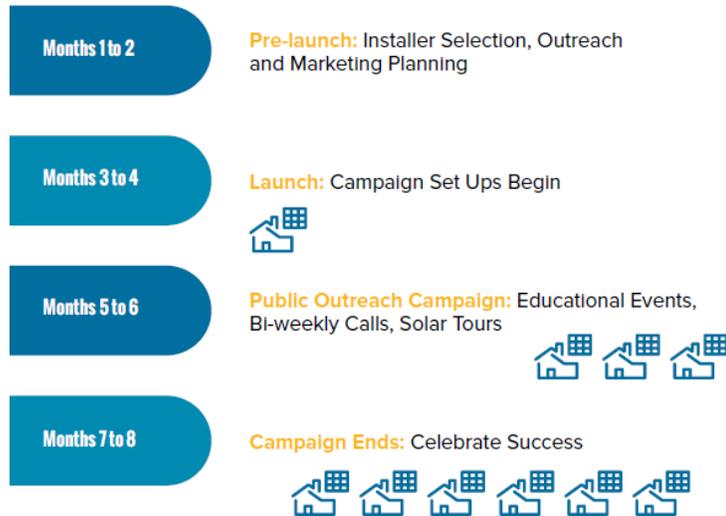
SOLARIZE Project Implementation

- Team up with individuals, organizations, and nearby jurisdictions willing and able to conduct community-wide education and outreach around solar energy.

Solarize Team

Local Community	NYSERDA	Solar Installer	Solar Customer
<ul style="list-style-type: none"> • Solar Ambassadors • Engagement and Grassroots Groups • Event Hosting • Communications Strategies 	<ul style="list-style-type: none"> • Solar Incentives • Program Support • Technical Assistance 	<ul style="list-style-type: none"> • Turnkey Installation • Ownership Options • Competitive Pricing 	<ul style="list-style-type: none"> • Get Free Site Assessment • Decide on Ownership Model • Tell Friends & Neighbors

Typical Solarize Timeline



- Implementation assistance:

- Community Solar NY website provides a variety of materials useful for implementing a new Solarize campaign.
- NYSERDA's PV Trainers Network provides a number of on-site training courses and one-on-one TA to communities.
- [Community Solar NY: 2017 Resource Guide for Solar Campaign Success](#) and [Creating and Implementing Your Solarize Campaign Video](#) provide step-by-step guidance for completing a campaign.
- The NY-SUN Solarize RFP Template provides clear guidelines and expectations for solar installers interested in participating in a campaign.



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UNIFIED SOLAR PERMIT Benefits

- Municipalities that adopt a Unified Solar Permit can expect to:
 - Increase the quality and accuracy of applications from installers.
 - Handle a larger number of solar permits more efficiently.
 - Help applicants get through the permitting process quickly!
 - Offer fair, flat fees for small-scale solar electric installations.
 - **Support the local solar industry:** solar energy installations valued at \$13.7 billion in 2013.
- Municipalities that adopt the permit are eligible for financial awards through the Streamlined PV Permitting to implement new procedures.
 - Communities with under 30,000 residents can receive \$2,500
 - Communities with 30,000+ residents can receive \$5,000
- To date, 21 communities in the Mid-Hudson Region have adopted the Unified Solar Permit, with an additional 102 communities state-wide.



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UNIFIED SOLAR PERMIT

What is it?

- The Unified Solar Permit is a standardized permit application designed to streamline the approval process for installing solar in the community.
- The standardized permit is expected to cut costs by creating a uniform permitting process in municipalities across the State.
- As municipalities adopt the permit, installers and municipalities will save time and resources permitting solar electric systems.
- An expedited process allows standard systems to pass quickly through the jurisdictional review process.
 - Decreases overall installation time for customers.
 - Allows non-standard systems necessary time for detailed review.
- To complete the Unified Solar Permit high impact action, municipalities must:
 - Approve legislation to adopt the permit.



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High Impact Action 6

UNIFIED SOLAR PERMIT

Eligibility & Requirements

Communities that can issue building permits are eligible to pursue this high impact action.

Demonstrate completion of this action by submitting either of the following documentation.

Note:

- Unified Solar Permit applies to small-scale solar installations of 25kW or less for roof-mounted and ground-mounted residential and commercial solar.

Requirements:

- Submit a copy of the eligibility notification email from NYSERDA indicating eligibility to receive the Streamlined Permitting PV incentive (formerly Cleaner, Greener Communities Category 1).

Or

- Submit a copy of NYSERDA's official list of communities that have adopted the Unified Solar Permit showing your municipality.



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High Impact Action 6

UNIFIED SOLAR PERMIT Project Implementation

Streamlined PV Permitting Application:

- Submit application through the CFA by September 30, 2019.
- Applications must be submitted after all work has been completed with all relevant documentation attached.
- Relevant document:
 - Verification of municipality's population size.
 - Copy of municipality's resolution adopting permitting process and permit for use.
 - Copy of the officially adopted permit.

Resources:

- NYSERDA's PV Trainers Network provides on-site training courses and one-on-one technical assistance to communities.
- [*Jurisdictional Guide to Permit Adoption*](#): Provides guidance on adoption and incentive process for the Unified Solar Permit.
- [*New York State Model Solar Energy Law*](#): Assists communities with adopting zoning provisions that promote solar energy systems while protecting community character and the environment.



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ENERGY CODE ENFORCEMENT TRAINING Benefits

- There is significant opportunity for energy savings through improved Energy Code compliance. Buildings represent roughly 60% of New York's total energy consumption.
- Receive **free on-the-job training**.
- Focus on the practical application of the code.
- Save energy at a community-wide scale.
- Municipalities that participate in Energy Code Enforcement Training:
 - Can learn about the Energy Code in the context of its practical application on active construction projects.
 - Can follow up the training module with a NYSERDA Energy Code Essentials training course.



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ENERGY CODE ENFORCEMENT TRAINING

What is it?

- The Energy Code is a minimum building standard for energy efficiency.
- The Energy Code is applicable to new construction and renovation of commercial and residential buildings in New York State.
- The Energy Code is a complex document and one of nine building codes in New York State, making implementation and enforcement complex and time consuming.
- To complete the Energy Code Enforcement Training high impact action, municipalities' code enforcement officials must complete the Energy Code Enforcement Training module.



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ENERGY CODE ENFORCEMENT TRAINING

Eligibility & Requirements

Communities that can issue building permits are eligible to pursue this high impact action.

Demonstrate completion of this action by accomplishing the following steps.

- Enroll in Clean Energy Communities Energy Code Enforcement Training Module by emailing cec@nyserda.ny.gov.
- Take part in preliminary meeting between NYSERDA training provider, the local code enforcement officer, and at least two other municipal officials.
- Take part in collaborative plans review and joint onsite inspection of two (2) building projects in the municipality.
- Receive notification of completion email from NYSERDA Training Provider.
- Submit a copy of this notification of completion email to earn credit for this action.



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CLIMATE SMART COMMUNITIES CERTIFICATION Benefits

- Municipalities that pursue Climate Smart Communities Certification can expect to:
 - Develop a comprehensive climate action program.
 - Help communities become more resilient to extreme weather.
 - Improve operations and infrastructure.
 - Increase energy independence and security.
 - Help NYS reduce GHG emissions by up to 80% by 2050.
 - Be better positioned for funding.
 - Receive recognition for leadership.
- To date, 65 communities in the Mid-Hudson Region have pledged to be Climate Smart Communities, with more than 187 statewide.



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CLIMATE SMART COMMUNITIES CERTIFICATION

What is it?

- The CSC program provides local governments with a flexible framework to guide their climate actions.
- The certification program is designed around 10 Pledge Elements.
 - Pledge to be a Climate Smart Community
 - Set goals, inventory emissions, plan for climate action
 - Decrease community energy use
 - Increase community use of renewal energy
 - Realize benefits of recycling and other climate-smart solid waste management practices
 - Reduce GHG emissions through climate-smart land-use tools
 - Enhance community resilience
 - Support development of a green innovation economy
 - Inform and inspire the public
 - Commit to an evolving process for climate action
- Communities can choose from 130+ individual actions to earn points towards certification at 4 award levels: Certified, Bronze, Silver, Gold.
- To complete the Climate Smart Communities Certification high impact action, municipalities must:
 - Meet the requirements to become a certified Climate Smart Community at the Certified, Bronze, Silver, or Gold level.
 - Be listed as certified at www.dec.ny.gov/energy/56876.html.



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High Impact Action 8

CLIMATE SMART COMMUNITIES CERTIFICATION Eligibility & Requirements

All communities are eligible to pursue this high impact action.
Demonstrate completion of this action by submitting the following documentation.

- Submit documentation that demonstrates that your community has been listed as a Certified Climate Smart Community at the certified, bronze, silver or gold level on the NYSDEC website: www.dec.ny.gov/energy/56876.html.



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CLIMATE SMART COMMUNITIES CERTIFICATION Project Implementation

- Pass a resolution adopting the CSC Pledge.
- Appoint a Climate Smart Community coordinator.
- Identify completed actions using the CSC Certification Workbook.
- Identify the Climate Smart Community Certification level your community will pursue.
- Confirm the minimum Pledge Elements and required Priority Actions your community must complete toward Certification.
- Confirm which additional Priority Actions your community must complete.
- Identify the minimum Performance / Innovation Points required.
- Track your actions on the CSC Certification Workbook.
- Compile documentation for each action within the CSC Certification Documents Folder (electronic).
- Complete the CSC Submittal Form and submit it, along with the required documentation for actions completed, to ClimateChange@dec.ny.gov.



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High Impact Action 8

COMMUNITY CHOICE AGGREGATION Benefits

- CCA has the potential to simultaneously **deliver lower monthly bills and cleaner energy** for your constituents.
- Municipalities that pursue Community Choice Aggregation can expect to:
 - Exercise more local control over energy resources.
 - Improve customer choice and value.
 - Spur clean energy innovation and investment by increasing the percentage of renewables in the fuel mix.
 - Protect the environment.
- Sustainable Westchester initiated the Westchester Power CCA in 2016. It supplies approx. 100,000 electrical customers in 20 participating municipalities in Westchester County.
 - 14 municipalities opted to provide 100% renewable energy to eligible customers within their jurisdictions.
 - 500 million kWh of 100% renewable power provided.
 - Approx. \$5 million in savings over 3 years.
 - Carbon footprint cut by 300,000 tons.



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COMMUNITY CHOICE AGGREGATION

What is it?

- CCA allows participating local governments to procure energy supply service and DERs for eligible energy customers in a jurisdiction.
- Customers can opt out of procurement, but maintain transmission and distribution services from existing Distribution Utility.
- Local governments can work together through shared purchasing model to put out for bid the total electricity and/or natural gas being purchased by customers within the jurisdictional boundaries of participating municipalities.
- Communities build clout to negotiate lower rates with private suppliers and are able to choose cleaner energy.
- The utility remains responsible for energy delivery and billing.
- To complete the Community Choice Aggregation high impact action, municipalities must:
 - Adopt legislation authorizing the municipality to participate in a CCA program.
 - Must contract with an energy supplier to provide 100% clean, renewable energy to all participating customers.



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High Impact Action 9

COMMUNITY CHOICE AGGREGATION Eligibility & Requirements

Villages, towns, and cities are eligible to pursue this high impact action.

County governments may act as CCA administrators, but are not authorized to create a CCA independently of the villages, towns, and cities within the county.

Demonstrate completion of this action by submitting the following documentation.

- Submit a copy of the adopted legislation authorizing the municipality's participation in an opt-out CCA program.
- Submit a copy of an executed electric service agreement between the applying jurisdiction and an ESCO to supply electricity to participating customers.
- Electric service agreement must offer customers an opt-out option that is 100% renewable clean energy product mix, to be produced in North America and certified by Green-e.



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COMMUNITY CHOICE AGGREGATION Project Implementation

- Consider teaming up with other nearby municipalities and allowing a local or regional group administer the CCA program.
- CCA programs are authorized subject to the Public Service Commission's approval of the:
 - CCA Implementation Plan
 - CCA Data Protection Plan
 - Certifications of local authorization
- The Public Service Commission Order provides the authorizing framework for the CCA Opt-Out Program.
- Available tools on NYSERDA's CEC website:
 - Implementation Plan Template
 - CCA Authorizing Legislation Template
 - MOU Template – third-party CCA administration
 - Inter-Municipal Agreement Template – municipal CCA administration
 - Opt-Out Letter Template



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COMMUNITY CHOICE AGGREGATION Additional Notes

- Scope of Program
 - CCA programs may aggregate electric and/or gas supply.
 - CCA programs may aggregate or integrate into their programs energy efficiency and distributed energy resources, like solar.
 - Municipalities are not permitted to allocate a portion of the CCA customer payments to a clean energy or public benefit fund.
- CCA programs are not limited to contracting with only one ESCO.
- Regardless of CCA administration, municipalities remain responsible for:
 - CCA program operation's compliance with legal requirements
 - Residents' interests being served
 - Protection of customer information
- CCA administrators:
 - May request aggregated data after PSC approval.
 - Must provide information and education to potential CCA customers a minimum of 2 months.
 - Can collect funds to pay for administrative costs associated with running the CCA program.
 - Are responsible for providing annual reporting.



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ENERGIZE NY FINANCE Benefits

- Energize NY Finance enables eligible commercially-owned buildings to secure funds to tackle significant energy upgrades and renewable energy projects.
- Property owners can **finance up to 100% of project costs** with fixed-rate financing for up to 20 years.
- \$1.25 billion value of potential upgrade work needed in Mid-Hudson Region can create 11,000 jobs.
- Municipalities that adopt legislation establishing an Energize NY Finance program can expect to:
 - Help business and nonprofits save money with energy-saving upgrades.
 - Provide financing to improve the local building stock.
 - Spark new energy efficiency and solar projects.
 - Lower emissions and pollution.
- North Salem's Robson House instituted energy efficiency upgrades to reduce energy cost burdens.
 - Energy bills were reduced 31% annually.
 - Project was entirely cash flow positive.



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ENERGIZE NY FINANCE

What is it?

- Energize NY Finance or PACE Financing allows property owners to pay back cost of clean energy upgrades to commercial or non-profit properties through a special charge on property tax bill.
- EIC offers the financing. EIC is a local development corporation and a NYS nonprofit that assists municipalities with the establishment of a program to help property owners achieve long-term energy savings and/or generate renewable power for on-site use.
- To complete the Energize NY Finance high impact action, municipalities must:
 - Adopt legislation establishing an Energize NY Finance program.
 - Become a member of the Energy Improvement Corporation.



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ENERGIZE NY FINANCE Eligibility & Requirements

All eligible communities can pursue this high impact action.
Demonstrate completion of this action by submitting the following documentation.

Eligibility:

- In NYS, counties and cities. Exception, Westchester County.
- Cities without foreclosing authority cannot join.
- In Westchester County, local jurisdictions must pursue due to tax lien authority being held at local levels.
- Municipalities must have at least an “A” credit rating.

Requirements:

- Submit a copy of the adopted legislation authorizing the municipality to establish an Energize NY Finance Program.
- Submit a copy of an executed EIC Municipal Agreement.
- Submit a copy of a letter confirming EIC membership.



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HUDSON VALLEY REGIONAL COUNCIL Technical Support

- Assist YOUR community with becoming a Clean Energy Community through:
 - On-demand technical assistance
 - Step-by-step guidance
 - Case studies
 - Model ordinances
 - Project development support
 - Tools and resources
- Facilitate YOUR CEC designation by presenting CEC Program to YOUR community leaders and stakeholders, business owners, and general public.
- Provide and connect YOU with pertinent educational seminars and trainings.
- Connect YOU with technical staff from organizations and businesses that will help YOU become a designated CEC.



CLEAN ENERGY COMMUNITIES Program Education

- Quarterly newsletters
- Quarterly webinars
- Quarterly workshops
- Case studies
- Video interviews
- Live stream meetings
- Toolkits



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