ECONOMIC DEVELOPMENT & ENERGY COMMITTEE MEETING HELD IN ROOM 318 OF THE PUTNAM COUNTY OFFICE BUILDING CARMEL, NEW YORK 10512

Members: Chairwoman Sayegh, Legislators Addonizio & Montgomery

Monday

6:30 P.M.

March 18, 2019

The meeting was called to order at 6:32 P.M. by Chairwoman Sayegh who requested that Legislator Addonizio lead in the Pledge of Allegiance. Upon roll call, Legislator Addonizio, Legislator Montgomery, and Chairwoman Sayegh were present.

Item #3 - Approval of Minutes - February 21, 2019

The minutes were approved as submitted.

Item #4 - Discussion/Climate Smart Communities/Hudson Valley Regional Council/Planner & Clean Energy Communities Coordinator Europa McGovern

Chairwoman Sayegh made a motion to waive the rules and accept the additional; Seconded by Legislator Montgomery. All in favor.

Carla Castillo of the Hudson Valley Regional Council (HVRC) stated she would give an overview of what the HVRC does before going into the Climate Smart topic. She gave the attached PowerPoint presentation. She stated the HVRC's work focuses on providing technical assistance, educational materials and learning opportunities. She stated the HVRC assists municipalities with gaining access to federal funding to create or maintain jobs, primarily through infrastructure expansion and upgrades. She stated the HVRC provides statistical reports for the region and one shows unemployment distress in Carmel.

Legislator Sullivan requested clarification on the unemployment distress.

Ms. Castillo stated it only meets one (1) criteria for distress in the data tracked by the census. She stated this means Putnam County is doing quite well economically. She gave an overview on some projects the HVRC have been involved in.

Legislator Montgomery thanked Ms. Castillo for providing an overview of what the HVRC does. She stated Putnam County should utilize programs through the HVRC more often.

Europa McGovern continued the attached PowerPoint presentation with information on Climate Smart Communities. She stated all of the initiatives deal with clean energy and energy efficiency. She stated in addition to the municipalities listed in the PowerPoint, the Village of Nelsonville has also passed the Climate Smart Communities Pledge (Pledge) and the Town of Putnam Valley is considering it. She stated the first immediate benefit of passing the Pledge is

that you can access free assistance with the process through the HVRC. She stated it also allows the County to receive preferential scoring on Climate Smart Communities grant applications. She stated those grants will be announced in May, with applications due in July. She stated many municipalities, including the Town of Philipstown and Dutchess County, find it useful to appoint a coordinator or form a task force to make the process more efficient. She stated Philipstown is participating in an initiative to take inventory of their greenhouse gas emissions and develop action plans to reduce emissions. She stated this includes looking at energy usage and the opportunities for savings. She went over the model resolution for the Pledge. She stated there are over 120 potential actions, which each have their own point value, which can be pursued as a Climate Smart Community. She stated Putnam County has most likely completed many actions that would fit into the program. She stated the grants would require the County to match the funds, and that time worked towards the project goal can be used as part of the match. She stated the HVRC would be happy to provide more information and assistance on the Climate Smart program.

Legislator Gouldman questioned what the cost would be to the County.

Ms. McGovern stated there is no associated cost. She stated the first step would be passing the resolution, and then electing which actions to pursue moving forward.

Ms. Castillo stated the HVRC is funded by the Clean Energy program through the State.

Legislator Gouldman questioned approximately how long the process would take, assuming none of the actions are completed yet.

Ms. McGovern stated she believes the County already has completed some applicable actions. She stated it depends on how active the community and coordinators are in the progression. She stated Dutchess County has a goal of 12-18 months from passing the Pledge to becoming a certified Climate Smart Community.

Legislator Addonizio questioned what is required monetarily of the County.

Ms. McGovern stated there is none, unless the County elects to pay its coordinator.

Legislator Addonizio questioned how many points are necessary for certification.

Ms. McGovern stated a minimum are 120 points.

Legislator Montgomery stated when Ameresco presented at the Physical Services meeting, they were talking about doing a lot of this work already. She suggested having these tasks included in Ameresco's project in the County. She stated she would be willing to be the coordinator for the County's initiative, as she is already familiar with the program.

Chairwoman Sayegh questioned if the County is already undertaking projects that would be part of the Climate Smart program, what is the benefit to becoming a Climate Smart Community.

Ms. McGovern stated preferential scoring on grant applications is a direct benefit. She stated it would increase the County's capacity to access funding and resources.

Legislator Addonizio noted for the 2018 grant awards, Philipstown was awarded \$6,000.

Ms. McGovern stated there was also a \$9,000 award for Philipstown as well.

Legislator Addonizio stated the grants are not large amounts.

Ms. McGovern stated it depends on the category of the grant and noted that it is competitive statewide. She stated the Town of Fallsburg received a \$160,000 grant and the City of Ithaca received a \$460,000 grant.

Legislator Albano stated the County has been working on the Article Nine (9) and PACE (Property Assessed Clean Energy) Program projects. He stated any grants and technical assistance would be a big help.

Legislator Montgomery stated she would like to get ahead of this initiative because she believes it will not be long until it is mandated by the State.

Legislator Nacerino stated it appears there are more municipalities taking the Pledge as opposed to counties. She questioned which counties have taken the Pledge.

Ms. McGovern stated five (5) of the seven (7) counties in the Hudson Valley region have taken the pledge. She stated the counties are Orange, Sullivan, Dutchess, Ulster, and Westchester.

Legislator Nacerino stated she had brought this forward in the past but it was not moved forward. She stated she is glad that Legislator Montgomery has brought this forward again.

Ms. McGovern stated the difference now is that there is support available to get the program up and running, in addition to providing guidance for the future.

Legislator Gouldman questioned how long the certification is for.

Ms. McGovern stated it is five (5) years.

Legislator Gouldman questioned if it is easier to recertify.

Ms. McGovern stated it depends on the actions taken, as some actions are certified for 10 years.

Legislator Sullivan stated he would encourage moving forward so that Putnam County can be the healthiest community possible.

Legislator Montgomery noted that Philipstown receives lower grant awards due to being a smaller community. She stated she would like for the Pledge to be approved at the April Economic Development & Energy Committee meeting.

Legislator Nacerino suggested inviting Commissioner of Planning Sandra Fusco to said meeting, as she can be an integral part of the process.

Chairwoman Sayegh stated the first step would be to draft a resolution, and then a task force would be assembled to determine the scope of the program. She stated it is important to have the Planning Department on board because it directly affects them.

Item #5 - FYI/Unemployment Report - Duly noted.

Item #6 - FYI/Foreclosure Report - Duly noted.

Item #7 - Other Business - None.

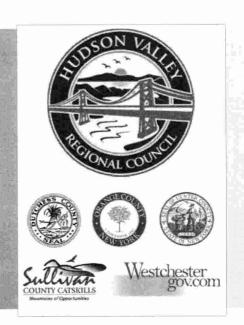
Item #8 - Adjournment

There being no further business, at 7:09 P.M., Chairwoman Sayegh made a motion to adjourn; Seconded by Legislator Addonizio. All in favor.

Respectfully submitted by Administrative Assistant Ed Gordon.

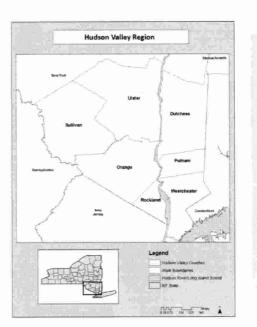
HUDSON VALLEY REGIONAL COUNCIL

Presentation to the Putnam County Economic Development & Energy Committee March 18, 2019

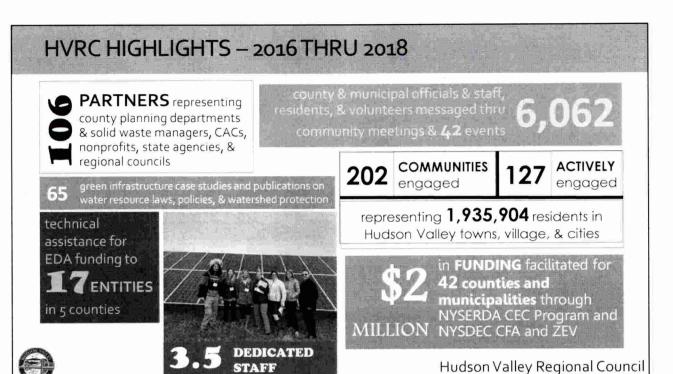


HVRC REGIONAL INITIATIVES

- Economic Development Administration
- NYS DEC 604(b)
- · Regional Platforms
- City of Kingston Organics Diversion Plan
- Putnam Clean Heating & Cooling
- Clean Energy Communities Program







ECONOMIC DEVELOPMENT ADMINISTRATION

HVRC Direct Technical Assistance:

• <u>Comprehensive</u> <u>Economic</u> <u>Development Strategy</u>, with annual updates



- Hudson Valley Region Distress Criteria Statistical Report
- County Profiles
- Distress Maps
- Direct Audience with EDA Administrator
- Technical assistance for EDA funding



Technical Assistance

WATER QUALITY PLANNING – 604(b)

Financial Support:

- Pass-through funding for Lower Hudson Coalition of Conservation Districts' Green Infrastructure Plans
- Annual Stormwater Conference
- Annual Hudson River Watershed Alliance Conference
- Sponsorship of LHCCDs

· Outreach & Education:

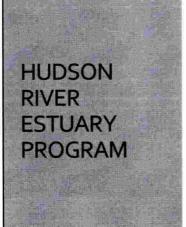
- · County water quality and MS4's
- Green Infrastructure practices for water quality protection and restoration
- · 500 recipients

• 4 Regional Workshops, including:

- · Trash Free Waters, SUNY Orange
- Regional Conversation on Water, Hotel Thayer
- Local Government Resiliency Training, OCCC Kaplan Hall
- · 495 attendees



Educational Resources



Educational Workshops and Resources on Regional Watershed Issues in Partnership with Pace University Land Use Law Center:

Water Policy and Laws & Perspectives for Stream Protection

- Protecting Drinking Water in the Sawkill Watershed
- Water Quality and On-site Wastewater Systems in the Roundout Watershed
- Emerging Stormwater Management Options in the Sparkill Watershed
 - 180 attendees

- Protecting and managing Hudson River streams: Overview, scales, and definitions
- <u>Protecting and managing Hudson River</u> <u>streams</u>: <u>Stream buffer protection and</u> <u>management</u>
- Regulating Water Withdraws in New York: The Water Resources Protection Act
- Watershed Rules and Regulations for Protection of Drinking Water in New York
- Moodna Creek Watershed Intermunicipal Council
- <u>Strategies for Sustainable Tributaries: A</u> <u>Guidance Manual</u>



Educational Resources



Mid-Hudson Regional Sustainability Coalition:

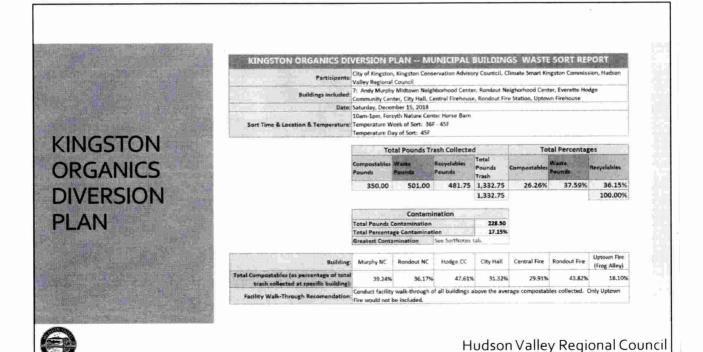
- Origin: Mid-Hudson Regional Sustainability Plan
- Participants: 88 distinct organizations from 7-county region, representing local colleges & universities, NGOs, government agencies, private businesses, individuals
- Purpose: track sustainability progress and projects in region
- Projects: expand HVRC website to present HV sustainability progress & projects

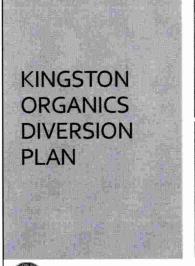
Materials Management Group:

- Participants: solid waste & recycling representatives from 7county region + NYS DEC
- Purpose: professional network for sharing of ideas, programs, and issues
- Discussion areas:
 - · hazardous waste disposal
 - recycling
 - · composting
 - organics waste-stream reduction
 - · prescription drug disposal
 - · agricultural plastics
 - · e-waste

Regional Engagement & Collaboration

















PUTNAM CLEAN HEATING & COOLING **CAMPAIGN**





 Partners Program

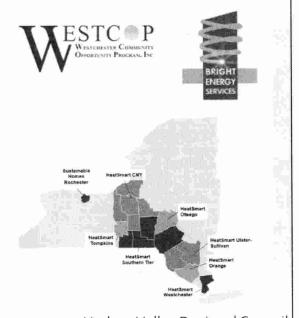
- direction
- Outreach
- Data analytics

 Installation of clean heating & cooling tech

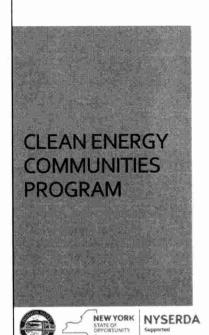
Working with

municipalities & volunteers

local



Hudson Valley Regional Council

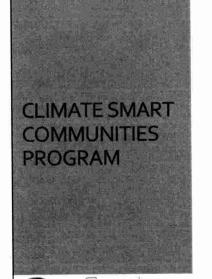


Hudson Valley Regional Council

- Mid-Hudson Region NYSERDA Clean Energy Communities Program administrator
- Dedicated and knowledgeable local coordinators are available to assist communities as they implement 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
 - g. Community Choice Aggregation
 - 10. Energize NY Finance



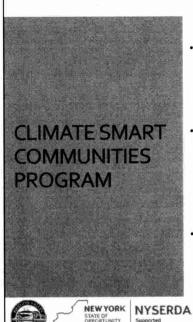
CEC Program Overview

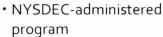


NYSERDA

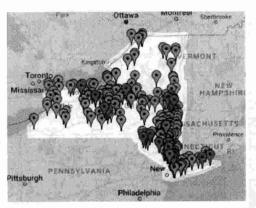
- 87 Mid-Hudson communities have adopted the CSC Pledge
- Orange , Sullivan & Ulster Counties = 'certified' CSCs
- Dutchess County
 - · Recently appointed CSC Task Force & Co-coordinators
- · Town of Poughkeepsie
 - Recently appointed CSC Task Force & Coordinator
- Philipstown
 - · Adopted CSC Pledge June 2017
 - Appointed CSC Task Force & Coordinator (paid stipend)
 - Recipient of two 2018 CSC grants
- · And many other local participating communities...

Mid-Hudson Climate Smart Communities

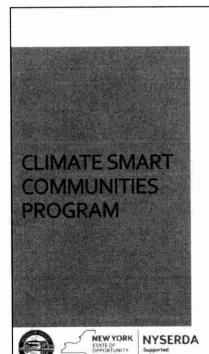




- 251 participating communities state-wide
- · First Step:
 - · Take the CSC Pledge
 - Become a registered CSC
 - Access technical assistance & grant funding
- Next Steps:
 - Appoint CSC coordinator & task force
 - Work towards CSC certification



Next Steps





Climate Smart Communities Task Force Members

FROM: Dutchess County Executive Marcus Molinaro & Legislative Chairman A. Gregg Pulver

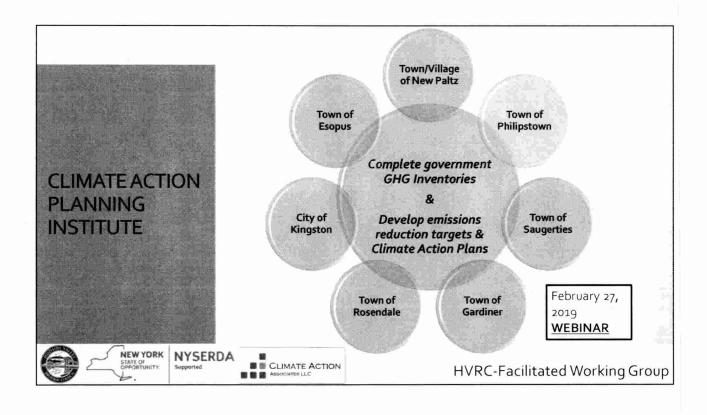
DATE: November 23, 2018

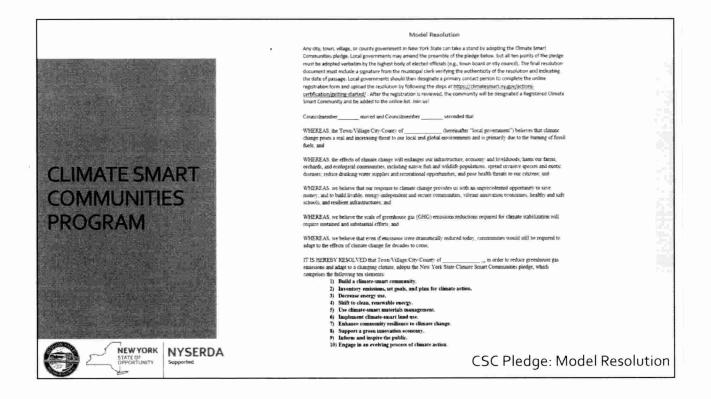
RE: Formation of the Dutchess County Climate Smart Communities Task Force

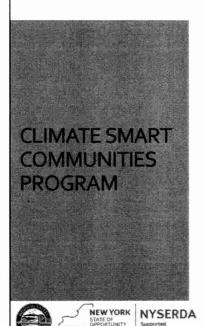
The Climate Smart Communities (CSC) program creates a network of New York municipalities seeking to increase energy efficiency and the use of renewable energy sources, while reducing the amount of greenhouse gas emissions produced and increasing communities? resiliency to impacts of climate change. Dutchess County leaders, the County Executive and the Chairman of the Legislature, have determined that involvement in these programs can help reduce overall energy usage and its associated costs and increase the use of renewable energy sources, both in government facilities and the community at large. The program also provides guidance to local governments on best practices for mitigating and adapting to climate change and offers a source of matching grants for projects that advance stated goals. The Dutchess County Department of Planning is charged with securing such grants.

In July 2017, the County Legislature requested the Outchess County Environmental Management Council (DCEMC) provide recommendations on actions that the County can take to reduce fossil fuel usage, both within County Government and encouraged in the County at large, and to recommend fossil fuel eduction goals. In its report to the Legislature, the EMC recommended pursuing certification in the CSC program and a related Clean Energy Communities (CEC) program, sponsored by NYSERDA.

Dutchess County CSC Task Force







RESOLUTION IS _ AGREEING TO ADAPT TO A CHANGING CLIMATE

WHEREAS, the Town Board of the Town of Union Vale acknowledges that there is a high probability that human activities over the passed fifty years have warmed one planet. The industrial activities that our modeun contraction depends upon have caused much of the observed increase in Earth's temperatures over the past 30 years.

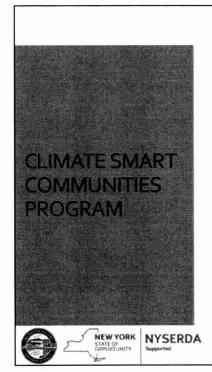
WHEREAS, most clamate coentists agree the main cione of the current global warming trend is human expansion of the "greenhouse effect" — varining that receibt when the atmosphere tags these stadisting from Earth toward space. Certain gover on the atmosphere block heart from escaping, re-containg them in all discentions warning the vurface of the earth and the lower atmosphere. Long-lived gases that remain semi-peramenthy in the atmosphere and do not respond physically or chemically to changes in temperature are described as "forcing" climate change.

WHEREAS, earth-orbiting satellites flown by NASA (National Aeronautics and Space Administration) have enabled Scientists to collect data on a global scale that demonstrates the heat trapping nature of carbon decide and other gase. Once that contribute to the greenlosine effect include water vapio (FIG), custion discode (CO₂), methanic (CH₂), nursus oxide NeO₂ and Chilocofluorocarbons (CPC) (now largely registrated).

WHEREAS. The plane's everage surface temperature has onen about 2.0 degrees Fahrenheit amorthe late 19th century, a change direct largest by successed carbon dounds and other human-made emissions into the atmosphere. At the end of the last we age, when the Northeast United States was covered by more than 3,000 feet of ice, average temperatures were only 5 to 5 degrees cooled than today. We recognize that small changes in temperature correspond to enormous changes in the

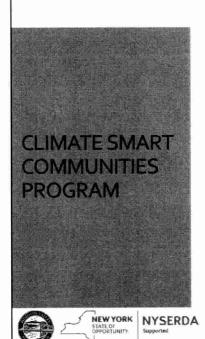
WHEREAS, additional examples of negative effects of temperature changes are: shanking ore sheets in Greenland and Antatica, retreating placies; around the world archiding the Alps, Himalayra, Andes, Rockies, Alasks and Africa, Acros sea see as "expected to become essentially or free us stammer before mid-ternitary", global sea levels espected to use from one to four feet by year 2100, ocean solidication microsest as the audity of surface ocean waters has continued to absorb carbon doorde by about 2 billion toom per year.

Town of Union Vale: 2018 CSC Pledge



Action Name	Legacy Action #	Segary Name	Points	Type/Status
PE1: Build a climate-smert community.				
PE1 Action: CSC Task Force	1.2	Create a community Climate Smart Community task force focused on climate mitigation and adaptation	20	Mandatory
PE1 Action: CSC Coordinator	1.3	Appoint a Climate Smart Community coordinator	10	Mandatory
PE1 Action: National/Regional Climate Program	1.5	Join a national or regional climate campaign or program	3	
PEZ: Inventory emissions, set goels, and p	olan for clin	nate action.		
PE2 Action: Government Operations GHG Inventory	2.1	Develop a government operations GHG emissions inventory	16	Priority, CSC Grants
PEZ Action: Community GHG Inventory	2.2	Develop a community GHG emissions inventory	18	Priority, CSC Grants
PE2 Action: Government Operations Climate Action Plan	2.5	Develop a government operations climate action plan	12-16	Priority, CSC Grants
PE2 Action: Community Climate Action Plan	2.6	Develop a community climate action plan	16	Priority, CSC Grants
PE3: Decrease energy use.				
PE3 Action: Government Building Energy Audits	3.1	Conduct energy audits of local government buildings	8-16	Priority
PE3 Action Interior Lighting Upgrades	3.2	Upgrade interior lighting	1-5	
PE3 Action HVAC Upgrades	3.3	Upgrade HVAC equipment	1-5	
PE3 Action: Water-efficient Fixtures	3.4	Install water-efficient fixtures	1-4	
PE3 Action: Building Energy Management System:	3.5	instali a building energy management system (EMS)	1-5	
PE3 Action: Energy Benchmerking for Government Buildings	3.32	Adopt an energy benchmarking requirement for government-owned buildings	2-4	
PE3 Action: Green Building Standard for Government Buildings	3.7	Adopt a green building standard for local government buildings and facilities	2-4	
PES Action Green Building Certification	3.8	Build a new green building	15	
PE3 Action: Fleet Inventory	NA.	NA (This is a new action under version 3.)	4	CSC Grants
PE3 Action: Fleet Efficiency Policy	3.10	Adopt a vehicle fleet efficiency policy	2-3	CSC Grants
PE3 Action. Fleet Rightsizing	3.11	Right-size the local government fleet	1-3	
PE3 Action: Advanced Vehicles	3.12	Replace traditional vehicles with advanced vehicles	2-10	
PE3 Action LED Street Lights	3.15	Convert streetlights to LED	5 - 10	
PE3 Action LED Traffic Signals	3.16	Convert traffic signals to LED	1-4	
PE3 Action Outdoor Lighting Reduction	3.17	Reduce number of outdoor lighting fixtures	1-4	
PE3 Action Outdoor Lighting Upgrades	5.18	Upgrade outdoor lighting (other than streetlights and traffic signals) to more efficient and/or solar technology	1-4	

CSC Actions Checklist



CLIMATE SMART **COMMUNITIES GRANTS**



NEW YORK Office of Climate Change

Part of the New York State Environmental Protection Fund

The Chimate Smart Communities Grant Program is a competitive 50/60 matching grant program for mininogalities. It was established in 2016 under Article 54. Title 15 of Environmental Comerciation Lew an energet of which in between The program hands chimate change estaption and mitigation projects and includes support for projects that are plet of a strategy to become a Certified Climate Smart Community. This fact shed only provides an overview of the crogram pleties refer to the Current Represent or Applications (RFA) for details on eligible project years for the current grant cycle.

- The commissioner is authorized to provide on a competitive basis, within amounts appropriated, state assistance payments to a municipality toward the cost of any climate adaptation or mitigation projects. Such projects shall include.
 - the construction of natural resiliency measures, conservation or restoration of riparian areas and total mansh migration areas.

 - total marian migration arises. b. nature-based solutions such as wetsand protections to address physical climate risk due to sea lever true, and/or storm surges and/or pooding, based on available data predicting the likelihood of future extreme weather evers, including hazard risk analysis dail # applicable. C. rolozation or retrofit of facilities to address physical climate risk due to sea level rise, anxior storm surges and/or booting based on available data predicting the likelihood of future extreme weather evers, including hazard risk analysis data if applicable.
 - d. Boad risk reduction.
 - e. greenhouse gas emission reductions outside the power sector
 - enabling communities to become certified under the Climate Smart Communities Program, including by developing natural resources inventiones, right sizing of manicipal fleets and developing climate adaptation shategers, and
 - g. climate change adaptation planning and supporting studies, sicluding but not limited to vulnerability assessment and risk analysis of municipal drinking water, wastewater, and transportation infrastructure.

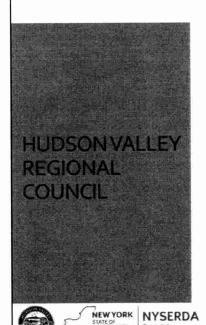
Implementation Projects

Grants of up to \$2,000,000 are available for implementation projects in two major categories: adaptation and non-power initigation (i.e., projects that reduce givenhouse gases from sources not related to the generation or consumption of electricity). These project types are described above in sections a. to e.

Certification Projects

Grants of up to \$100,000 are available for assessments and planning activities that enable local governments to become Certified Climate Smart Communities, as described above in sections f. and g. Applicants under this category should review the online Climate Smart Communities Certification Potal at https://doi.org/10.1006/j.com/10.

CSC Grants



- We assist YOUR community
 - · On-demand technical assistance
 - · Step-by-step guidance
 - · Case studies
 - Model ordinances
 - · Project development support
 - · Tools and resources
 - · CSC certification support

Technical Support & Resources

CONTACT US

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Carla C. Castillo G.

Deputy Executive Director / Clean Energy Communities Coordinator Director: CEC Program Lead: Counties, Rockland, Westchester ccastillo@hudsonvalleyrc.org

Europa L. McGovern G.

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