



Climate Smart Communities

2017 Grant Awards

Western New York

Erie County
\$100,000

Erie County Climate Change Vulnerability Assessment

Erie County will identify, analyze and prioritize the effects of climate hazards using an exposure, sensitivity, and adaptive capacity approach. The assessment will cover direct and indirect impacts of extreme heat, flooding, and severe storms, as well as potential effects of these hazards on critical facilities and infrastructure, vulnerable populations, and natural resources. Work will be conducted by Dr. Clark at RENEW, Environment Planning Staff at Erie County, and a Stakeholder Committee.

Village of Lancaster
\$22,000

CSC Sustainability Planning and Implementation

The Village of Lancaster will conduct an Extreme Weather Vulnerability Assessment to address flooding and increased snowfall. The assessment will include flood risk, exposure, and watershed protection mapping; an assessment of infrastructure vulnerability to ice and snow; a vision statement, goals, and policy outlines for implementation; guidelines for natural shoreline protection projects on Cayuga Creek; and an assessment of current conditions and future needs for existing levees.

Town of Niagara
\$275,559

Cayuga Creek/Weber Property Restoration for Flood Protection

The Town of Niagara, in collaboration with Buffalo Niagara Riverkeeper and the Western New York Land Conservancy, will restore the approximately 33 acre undeveloped "Weber property" along Cayuga Creek, a tributary to the Niagara River. Work will ensure long-term protection of one of the largest contiguous areas of natural land cover along the creek, and enhance hydrologic and ecological stream function. This project will address frequent flooding events and increase resiliency to future extreme weather conditions.

Southern Tier

Town of Big Flats
\$45,000

Climate Smart Comprehensive Planning and Guidance

The Town of Big Flats will conduct a comprehensive planning process that will introduce the threat of climate change and potential strategies for combating and adapting to future climate conditions. Work will include a Local Government Operations Greenhouse Gas Emissions Inventory, Vulnerability

Assessment, and preparation of a Climate Planning Guide that will detail the process and lessons learned in Big Flats to assist other municipalities with similar planning efforts.

Town of Colchester

\$37,791

Installation of Audible Flood Warning System

The Town proposes to plan and install an audible warning system, including sirens, to help warn visitors to the Delaware River and environs of flood conditions. The Town of Colchester, in partnership with Delaware County, will also develop an operation plan, will train local officials and first responders in operation and management of the system, and will conduct a public outreach campaign on the system and its use as part of an emergency evacuation.

Town of Deposit

\$37,791

Installation of Audible Flood Warning System

The Town proposes to plan and install an audible warning system, including sirens, to help warn visitors to the Delaware River and environs of flood conditions. The Town of Deposit, in partnership with Delaware County and Broome County, will also develop an operation plan, will train local officials and first responders in operation and management of the system, and will conduct a public outreach campaign on the system and its use as part of an emergency evacuation.

North Country

Town of Indian Lake

\$639,000

Construction of Firehouse/Regional Security Center

The Town, in partnership with the Indian Lake Fire District, will construct a Regional Security Center (RSC) to replace the current firehouse, which is now too small, in poor condition, not ADA-compliant, and not suited for modern facilities and equipment. The proposed project would reuse the former IGA, an abandoned brownfield site, for renovation as the RSC.

Town of Malone

\$17,000

Emergency Feasibility Study/Engineering Analysis for the Salmon River

The Town of Malone will develop a hydrodynamic sediment transport model of the Salmon River in the vicinity of the dam, wastewater treatment plant, and residential neighborhoods to better understand existing flow, sediment system, and dam spillway capacity. The model will allow for the conceptual development of options to improve river flows to and over the dam, reduce sediment deposition, and improve storage capacity.

Mohawk Valley

Village of Cobleskill

\$81,000

Construction of Grandview Drive Drainage Improvements

The Village of Cobleskill improve drainage by installing approximately 7 catch basins and 700 LF of 8" PVC storm sewer piping in conjunction with the installation of pedestrian sidewalks along Grandview Drive, an access route to the Cobleskill Regional Hospital. The improved drainage will help to protect the existing road, make travel along the road during heavy rainfall safer, and reduce nuisance stormwater flooding.

Village of Cooperstown
\$297,700

Grove Street Culvert Replacement Project

The Village will reduce the risk of future flooding by replacing and right-sizing a culvert over Willow Brook, a tributary of Otsego Lake, and by relocating a flow barrier in the form of a sewage line that runs through the culvert. The existing stone box culvert is located on Grove Street between Main Street and Glen Avenue.

Village of Mohawk
\$155,455

Fulmer GreenPlain Floodplain Project - Water Main Relocation

As part of the larger Fulmer GreenPlain project to restore the natural floodplain and floodplain processes along 1.3 miles of Fulmer Creek, the Village proposes to relocate a 10" water main to accommodate the new floodplain. Main Street revitalization has been hampered by flooding along Fulmer Creek. With flood mitigation underway, the Village will be able to undertake infrastructure improvements to improve walkability of the downtown district, improve its appearance, and attract businesses.

Mid-Hudson

Village of Dobbs Ferry
\$306,656

Construction of Community Warming/Cooling/Charging Center

The Village of Dobbs Ferry will renovate the Embassy Center to serve as a cooling/heating station and charging center. The Center will have emergency backup power to provide air-conditioning or heat and charging stations for medical devices, laptops, cell phones, and other electronic devices during an extended power outage. The village-owned facility is outside the flood zone and is accessible by foot from the downtown and residential areas.

Town of Greenburgh
\$30,000

Implementation of Food Scrap Recycling Drop-off Facilities

The Town of Greenburgh, in partnership with the Greenburgh Nature Center, will develop and implement a town-wide food scrap recycling campaign and establish two municipal food scrap drop-off sites. Greenburgh Nature Center will organize and deliver educational workshops to facilitate public adoption of food scrap recycling actions. The goal is to have 1,500 households regularly recycling food scraps at the established municipal food scrap drop-off sites.

Village of Irvington
\$299,317

Culvert Right-sizing for Hudson View Park Flood Mitigation

The Village of Irvington will construct drainage improvements near the entrance to the Hudson View Park neighborhood adjacent to East Sunnyside Lane. Past flooding has cut off this neighborhood from routine and emergency access. The project will alleviate existing and future flooding by right-sizing three culverts. Two existing 24-inch reinforced concrete pipes will be replaced with a 4 by 4 foot box culvert, adequate to meet the projected need of a 10-year storm in the year 2080.

City of Kingston

\$750,000

Design and Construction of Franklin Street Complete Streets Features

The City of Kingston will design and construct new sidewalks, bicycle infrastructure, and crosswalks along the entire length of Franklin Street. Significant public institutions, including the Kingston Library and the Everette Hodge Community Center, are located along this popular walking route to George Washington Elementary School.

City of Kingston

\$62,960

Organic Waste Management Plan

The City of Kingston will partner with the Hudson Valley Regional Council to develop an Organics Diversion Plan that will include five Climate Smart Community Certification actions: 1. waste management strategy for government hosted/permitted events; 2. organics collection and composting in government buildings; 3. government waste audit and diversion tracking; 4. compost bin distribution plan; and 5. determine the feasibility of an organics collection program (residential and commercial).

Village of Mamaroneck

\$37,500

Comprehensive Plan Update with Sustainability Focus

The Village of Mamaroneck will update its Comprehensive Plan to include a new chapter on sustainability and resiliency. The Village, in partnership with Westchester County GIS, recently performed a sea level rise risk analysis based on the official NYS projections, and will incorporate the findings and recommendations of the study within the updated Comprehensive Plan.

Town of New Paltz

\$17,190

Building Two Cool Bot Refrigerated Sheds for Food Recovery

The Town of New Paltz, in partnership with Rescuing Leftover Cuisine, will continue efforts to build a Food Recovery Infrastructure program to increase the amount perishable food donated to local pantries. The purchase and installation of two insulated Cool Bot® refrigerated sheds will allow large quantities of perishable donations to be stored for several days until distribution. One shed will be located at the New Paltz ReUse Center and the second at the United Methodist Church.

City of New Rochelle

\$804,350

Construction of New Rochelle Complete Streets Phase II

The City proposes to continue to reduce travel lanes on Quaker Ridge Road from four to two; create a dedicated bicycle lane and sidewalk on each side of the street; create new high visibility crosswalks; and implement North Avenue work including parking, signalization, and changes to traffic flow for the purpose of reducing Vehicle Miles Traveled (VMT).

Town of Orangetown

\$220,000

Construction of Sparkill Creek/Route 303 Culvert

The Town of Orangetown will replace an inadequately-sized and deteriorated culvert along the Sparkill Creek at NYS Route 303 with a built-in-place concrete culvert. Water flow and water quality will be further enhanced by removing a deteriorated pump house in the stream and restoring the streambank.

Town of Ossining
\$70,100

Ossining Climate and Public Health Policy Updates

The Town of Ossining will review and update municipal land-use policies and regulations to incorporate complete streets and smart growth principles such as: a mix of land uses, compact design, housing diversity, walkability, open space preservation, and development that fosters non-motorized transportation options as part of achieving Climate Smart Communities Certification and local public health goals.

Town of Pleasant Valley
\$867,753

Pleasant Valley Town Hall Relocation Out of Flood Zone

The Town will relocate its Town Hall out of the Wappingers Creek floodplain to an existing 19,200 square foot building currently for sale outside of the flood zone. Renovation of this building will allow consolidation of all Town Offices with the exception of the Highway Department. Relocating to this location within the hamlet area conforms with smart community planning and represents an opportunity to address safety concerns in the existing facility.

Village of Rhinebeck
\$32,500

Floodproofing for Rhinebeck Low Lift Pump Station

Based on recommendations from a vulnerability assessment of its water system, the Village of Rhinebeck will design and construct wet flood-proofing for the low lift pump station (LLPS) and raise its vents and electrical components to the elevation of the 1% annual chance of flooding + 3 ft freeboard + the high SLR projection associated with anticipated equipment life. This work will ensure resiliency of the LLPS through the 2050s.

Sullivan County
\$77,500

Sullivan County Organic Waste Management Plan

Sullivan County's Division of Public Works/Solid Waste Management will hire and contract with a consulting engineering firm to conduct an organics composting feasibility study with preliminary siting and conceptual design. The resulting Organics Management Plan (OMP) will outline the best method and means for the County to implement organics waste management, and will also be a component of the County's required Solid Waste Management Plan.

Ulster County
\$84,000

Ulster County Vulnerability Assessment and Municipal Support

Ulster County will implement a coordinated effort to address climate change impacts including: characterization of county-level climate change impacts for adaptation planning, vulnerability assessment, review of existing community plans and projects, and development of strategies and tools to address hazards and vulnerabilities. The County will encourage and support its municipalities to participate in a similar process through information sharing, technical assistance, and templates.

Westchester County
\$200,000

Planning and Design of a Flood Warning System

Westchester County will design and implement a countywide early flood warning system. The system will consist of strategically placed stream gauges and weather monitors that report data to a central location. The stream flow and weather data collected by the system can be used for analysis and modeling thereby improving the ability of the county and other stakeholders to make decisions concerning preparation and response efforts, mitigation strategies, and capital projects.

Long Island

Town of Brookhaven
\$87,500

A Strategy for Climate Smart South Shore Communities

The Town of Brookhaven will create a plan to improve the resiliency of road ends along the South Shore. The plan will include a description, aerial view, photograph, proposed improvement, preliminary engineering, and cost estimate for each road end. The plan will be used to prioritize and advance future work.

City of Glen Cove
\$50,000

Glen Cove Western Gateway Strategic Plan

The City of Glen Cove will create a revitalization plan for the south side of Glen Cove Creek, known as the Western Gateway. The plan will provide strategies to: expand regional recreational uses, create shoreline public access, develop coastal protection measures to reduce flood risk and green infrastructure for stormwater management, non-motorized transportation connectivity, and establish potential redevelopment scenarios for commercial and industrial sites including brownfields.

Finger Lakes

City of Rochester
\$50,000

City of Rochester Climate Adaptation Plan

Building on its Climate Vulnerability Assessment, the City of Rochester will develop a Climate Adaptation Plan that will review existing community plans and projects to identify strategies, policies, and/or projects to adapt to future climate change impacts. The final deliverable will include adaptation strategies and actions along with other relevant background information on climate change in Rochester and the surrounding region.

City of Rochester
\$200,000

Implementation of Five Pilot Shared Mobility Hubs

The City of Rochester will establish five pilot mobility hubs - public spaces that integrate different modes of transportation, provide multi-modal support infrastructure, and implement strategies that enable and encourage people to replace single-occupant vehicle trips with various mobility options. The mobility hubs will be located at or near transit stops and will feature a bikeshare station, space for future car-share, passenger waiting shelters, benches, bike racks, or bike repair stands.

Central New York

City of Cortland

\$2,000,000

Construction of Pedestrian/Bicycle Connections - SUNY Cortland to Yaman Park

The City will develop a safe pedestrian and bicycle arterial corridor along Clinton Avenue and River Street between SUNY Cortland and Yaman Park. Work will include complete reconstruction of a one-mile section of Clinton Avenue including new dual bike lanes, new sidewalks, vegetated medians, LED lighting, new pavement, and landscaping.

Village of Moravia

\$17,278

Moravia Climate Smart Communities Certification and Comprehensive Planning

The Village of Moravia will develop a Comprehensive Plan that focuses on adaptability to climate change. Developing a Comprehensive Plan is a necessary first step toward making informed land use decisions related to extreme weather and flooding. The Plan will also be tailored to advance the Village's pursuit of Climate Smart Communities Certification.

Onondaga County

\$1,300,000

Installation of Cogeneration Units at Metropolitan Waste Water Treatment Plant

The County, through its Onondaga County Water Environment Protection (OCDWEP) will construct improvements at the Metropolitan WWTP in Syracuse on the eastern shore of Onondaga Lake that will allow the plant to utilize the methane gas produced as a result of accepting food waste into its digestion system. Work will include installation of two cogeneration units to convert excess methane (current and increased amounts from food waste) into electricity, reducing the electricity dependence from the grid.

Capital District

Town of Clifton Park

\$220,000

Construction of NYS Route 146 Sidewalk Extension

The Town will construct 2,160 linear feet of a 5-foot sidewalk within the northern right of way boundary of NYS Route 146 from Northcrest Drive to the intersection of Tallow Wood Drive and Route 146. The sidewalk will tie into an existing Town Center sidewalk network that has been constructed with private sector investment. As a climate smart community, Clifton Park is committed to infrastructure projects that reduce vehicle mile trips and improve air quality.

City of Cohoes

\$464,100

Construction of Remsen Street Sidewalks - Ontario Street to Howard Street

As part of an ongoing sidewalk improvement project in downtown, the City of Cohoes will reconstruct sidewalks along both sides of Remsen Street from Ontario to Howard Streets. The Complete Streets improvements will encourage walkability, promote economic growth, and ensure the safety and convenience of pedestrians, bicyclists, and users of nearby mass transit.

City of Saratoga Springs

\$15,000

Natural Resource Inventory

The City of Saratoga Springs will complete a Natural Resources Inventory. The inventory will compile information on natural resources such as: forests, streams, wetlands, and rocky ridges; catalog and map cultural, historic, scenic, and recreational assets; assess threats to these resources; and recommend conservation practices. The inventory will enable implementation of the City's smart growth oriented "City in the County" vision for future development.

City of Schenectady

\$28,000

Greenhouse Gas Inventory and Vulnerability Assessment

The City of Schenectady will conduct a vulnerability assessment of: infrastructure, energy, food, waste, and transportation systems and natural and cultural assets. Work will include review of existing plans and projects to assess strengths, weaknesses, opportunities, and threats; identifying potential projects and grant opportunities; and looking for opportunities to increase preparedness for climate hazards. The City will also inventory its municipal operations greenhouse gas emissions.