

C. CLIMATE CHANGE MITIGATION + ADAPTATION [CC]

ACTION PLAN

GOAL	STRATEGIES	PARTNERS
<p>CC-1 Mitigate and adapt to climate change through coordinated planning, plan implementation, and performance monitoring.</p>	<p>CC-1a Implement the Rochester Climate Action Plan (CAP), using data and analysis to monitor and report progress towards our goal of reducing GHG emissions 40% by 2030, and 80% by 2050:</p> <ul style="list-style-type: none"> – Develop annual memo or report on status of each CAP strategy and action – Update GHG Inventory at least once every 5 years (2020, 2025, 2030) and report current emissions by major sector (e.g. residential, business, transportation, etc.) – Continue to evaluate the City's climate plans and goals to ensure alignment with the goals of the New York State Climate Leadership and Community Protection Act (CLCA) 	<p>City, Community Groups/Funders</p>
	<p>CC-1b Develop and implement a Climate Change Resilience Plan that identifies strategic actions to help the City and community become more resilient, and better prepare for and adapt to future climate change impacts in our region. Include analysis of potential for population change from climate refugees.</p>	<p>City, Community Groups/Funders, Monroe County</p>
	<p>CC-1c Encourage partners and the local research and science community to evaluate potential climate change impacts to water quality, supply, and infrastructure that includes analysis and recommendations for a regional approach to proactive watershed management.</p>	<p>City, Monroe County, GFLRPC, Community Groups/Funders</p>

Notes:

1. Partners listed in bold are recommended to lead the implementation of that strategy.
2. For a list of partner acronyms see [Appendix A](#).

GOAL	STRATEGIES	PARTNERS
CC-1 Mitigate and adapt to climate change through coordinated planning, plan implementation, and performance monitoring.	CC-1d Work with community partners to implement existing plans that help Rochester adapt to and mitigate the impacts of climate change by promoting transportation choices, integrating transportation and land use decision-making, and remediating and redeveloping brownfields, including: <ul style="list-style-type: none">– Finger Lakes Regional Sustainability Plan– Comprehensive Access and Mobility Plan– Transit Supportive Corridors Study– 14621 Brownfield Opportunity Area Plan– Lyell-Lake-State Street Brownfield Opportunity Area Plan– Vacuum Oil-South Genesee River Corridor Brownfield Opportunity Area Plan– Bulls Head Brownfield Opportunity Area and Revitalization Plan	City , Monroe County, NYS, Developers, GFLRPC
	CC-1e Conduct a study to explore benefits, costs, and strategic opportunities to reduce solid waste, including topics such as municipal composting of food scraps and waste reduction incentives like “pay-as-you-throw.”	City , Monroe County
	CC-1f Commission a study to analyze the feasibility of expanding renewable energy sources within the City’s electricity supply, including solar, wind and Geothermal power.	City , RG&E, Renewable Energy Developers, Community Groups/Funders

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<p>CC-1 Mitigate and adapt to climate change through coordinated planning, plan implementation, and performance monitoring.</p>	<p>CC-1g Evaluate energy density/intensity by geography (e.g. neighborhood or district) to inform program and outreach campaign planning, as well as investment priorities.</p>	<p>City, RG&E, NYS, US Dept. of Energy</p>
	<p>CC-1h Support the implementation of neighborhood-scale sustainable development projects, such as ecodistricts and block/district geothermal systems. Seek lessons learned and apply to other areas if/as possible.</p>	<p>City, Greentopia, Community Groups/Funders</p>
<p>CC-2 Use City authority, facilities, policies, operations, and investment to help achieve climate action planning goals.</p>	<p>CC-2a Continue working to implement a Community Choice Aggregation Model of energy management to offer cleaner, cheaper electricity for residents.</p>	<p>City, Community Groups/Funders</p>
	<p>CC-2b Expand the existing solar field on the former Emerson Street Landfill and identify additional options to expand renewable energy within the City's electricity supply.</p>	<p>City, Renewable Energy Developers, RG&E</p>
	<p>CC-2c Support the implementation of community shared solar options and programming, particularly where it could benefit low-moderate income residents, and work with partners to make community solar available in Rochester.</p>	<p>City, Renewable Energy Developers, Community Groups/Funders</p>
	<p>CC-2d Authorize the City to participate in New York State's Property Assessed Clean Energy (PACE) financing program to help commercial property owners finance capital costs for energy improvement projects and renewable energy installations.</p>	<p>City, Business Community, NYS</p>

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GOAL	STRATEGIES	PARTNERS
CC-2 Use City authority, facilities, policies, operations, and investment to help achieve climate action planning goals.	CC-2e Incentivize renovated and newly constructed buildings to obtain net-zero, LEED, or other green building certification or standards.	City , Developers
	CC-2f Continue to convert the City's streetlights to LED, and install lighting controls where feasible.	City , NYS
	CC-2g Explore the option of converting the City's development-related codes into a Unified Development Code to better integrate land use and transportation decision-making.	City
	CC-2h Continue to acquire and remediate selected brownfield sites for future re-use and/or redevelopment.	City , NYS, EPA
	CC-2i Expand the city's multi-modal transportation facilities and continue to install electric vehicle charging ports and bicycle parking on City-owned parking lots and other facilities.	City
	CC-2j Design and implement green infrastructure construction specifications for use in right-of-way improvement projects, including continued use of permeable pavement.	City
	CC-2k Expand investments in rain gardens or stormwater planters in areas surrounded by impervious materials to reduce the amount of storm water runoff. Encourage permeable surface materials when creating new or replacement parking lots and other hard surfaces.	City
	CC-2l Encourage companies to utilize clean fuel, low-emission vehicles for their fleets through participation in programs such as the State Voucher Incentive Fund and EPA's SmartWay program.	City , NYS, EPA, Fleet Partners

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<p>CC-3</p> <p>Work with property owners and community development partners to improve building energy performance and sustainability.</p>	<p>CC-3a Collect, analyze, and share data to educate different target audiences (e.g., homeowners, renters, landlords, business owners, institutional property owners, developers) about the individual and community benefits of improving building energy performance and sustainability.</p>	<p>City, RG&E, NYS, Community Groups/Funders</p>
	<p>CC-3b Expand the Sustainable Homes Rochester clean heating and cooling campaign model to develop a targeted outreach campaign, technical assistance programs, and incentives that help homeowners of various income levels understand the benefits and financing opportunities available to support energy efficiency and renewable energy improvements in their homes.</p>	<p>City, RG&E, NYS, RENEW, Housing Organizations, Community Groups/Funders, Homeowners</p>
	<p>CC-3c Develop a targeted outreach campaign, technical assistance programs, and incentives that help renters and landlords – particularly for low-moderate income tenants and the landlords who rent to them – to understand the benefits and financing opportunities available to support energy efficiency and renewable energy improvements in their units.</p>	<p>City, Housing Organizations, NYS, RG&E, Community Groups/Funders</p>
	<p>CC-3d Develop a targeted outreach campaign, technical assistance programs, and incentives to help various commercial/institutional groups – such as businesses, schools, hospitals, churches, universities, etc. – understand the benefits and financing opportunities available to support energy efficiency and renewable energy improvements for their properties.</p>	<p>City, RG&E, NYS, Community Groups/Funders</p>
	<p>CC-3e Create a Voluntary Commercial Building Energy Benchmarking and Disclosure program, to encourage competition between businesses to conserve energy.</p>	<p>City, Business Community, Community Groups/Funders</p>

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GOAL	STRATEGIES	PARTNERS
CC-3 Work with property owners and community development partners to improve building energy performance and sustainability.	<p>CC-3f Increase support for the adoption of rooftop solar installations. Target financial support to homeowners, renters/ landlords, and business property owners in underserved communities.</p> <hr/> <p>CC-3g Promote the distribution and use of sustainable development resources, including the City of Rochester Sustainable Development Guide and the City of Rochester Green Infrastructure Retrofit Manual, by local developers and infrastructure project leads.</p> <hr/> <p>CC-3h Encourage installation of landscaping (including planting trees), electric vehicle charging stations, bicycle parking, bikeshare, carshare, and emerging transportation alternatives on private property and in new development.</p>	<p>City, Renewable Energy Developers, NYS, US Dept. of Energy, Community Groups/Funders</p> <hr/> <p>City, Developers, Community Groups/Funders, Building/Property Owners</p> <hr/> <p>City, Developers</p>
CC-4 Develop broad outreach campaigns and community programs that educate people and support them living more sustainable lives.	<p>CC-4a Develop targeted education and community engagement campaigns on specific issues related to the personal and community benefits of environmental sustainability:</p> <ul style="list-style-type: none">– Recycling and waste reduction, including universal wastes and electronics.– Energy and water conservation– Beneficial electrification/fuel-switching– Benefits and options for walking, biking, transit and other transportation alternatives– Availability of tax credits and benefits of electric or other low-emission vehicles– Anti-idling education <hr/> <p>CC-4b Continue to support beneficial electrification through education, incentives, upgrading City facilities, and incorporating it into a Requests for Proposals scoring process.</p>	<p>City, Monroe County, RG&E, Community Groups/Funders</p> <hr/> <p>City, Monroe County, Community Groups/Funders, Business Community</p>