

Energy and Climate Change Action Plan

DRAFT Scope of Work

FOR DISCUSSION PURPOSES ONLY

v. July 23, 2021

Task List

- Task 1 - Project Kickoff and Management
- Task 2 - Climate Change Mitigation Planning
- Task 3 – Climate Vulnerability Assessment
- Task 4 – Climate Adaptation and Resilience Planning
- Task 5 – Climate Equity Assessment
- Task 6 – Draft City of Alexandria Energy and Climate Change Action Plan
- Task 7 – Community Engagement Events Support

Appendix List

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Background

The City Council adopted the City's Environmental Action Plan 2040 (EAP2040) in July 2019. The EAP2040 establishes a target of reducing community-wide greenhouse gas emissions by 50 percent by FY 2030 and 80 to 100 percent by FY 2050 (base year 2005) supported by significant contributions at the state and federal level toward renewable energy and energy efficiency mandates. These targets support meeting the City's goal of increasing preparedness to respond to the impacts of climate change and environmental emergencies.

In October 2019, the City Council adopted a resolution declaring climate emergency, recognizing that climate change poses a grave threat to everyone in Alexandria and around the world. The resolution expresses City Council's commitment to climate change action as it is likely to have a particular impact on the Alexandria community where adapting to climate change will be key to Alexandria's environmental and economic future.

In 2011, the City Council passed Alexandria's initial climate action plan, the Energy and Climate Change Action Plan 2012 - 2020. Since that time, significant advancements in climate change science and solutions, identification and analysis of climate-induced vulnerabilities, climate adaptation and resiliency practices, and climate action planning approaches provides the City opportunity to meaningfully advance the Alexandria community's efforts towards climate change action. In addition, the Energy and Climate Action Plan update places a significant focus on prioritizing diversity, racial and social equity, and inclusivity as a critical lens for conducting energy and climate change action planning.

Updating the Action Plan will help the City respond to climate change impacts and environmental emergencies and align with the 2019 updated [Environmental Action Plan 2040](#) (EAP2040) and build upon existing City energy, greenhouse gas reduction, and climate action efforts. The City's update of the Energy and Climate Change Action Plan will leverage regional priority actions identified in the Metropolitan Washington Council of Governments (MWCOG) [2030 Climate and Energy Action Plan](#), as well as the climate action planning efforts underway or completed by the City's regional and national peers.

In addition, the City will leverage several partnerships to support the development of its Energy and Climate Change Action Plan, including its participation in an [Integrated Climate Action Planning](#) cohort program with 20 other cities through [ICLEI – Local Governments for Sustainability](#), a global network of more than 1,750 local and regional governments committed to sustainable urban development. Leveraging this integrated climate action planning development process and through other partnership opportunities will provide additional technical support resources to assist the City.

City staff are supported by the Energy and Climate Change Task Force (ECCTF). The purpose of the Task Force is to provide guidance to the City's effort to update the Energy and Climate Change Action Plan. This guidance includes feedback on various analyses – including greenhouse gas emissions and climate change vulnerabilities – and in consideration of implementing the EAP040's actions as well as the identification, evaluation, and prioritization of recommendations for additional policy, programmatic, or technology actions to achieve specific, science-based emissions reductions consistent with the EAP2040's targets and goals. Such actions may include, but are not limited to, efforts that:

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- 1) increase of renewable energy production and availability for city residents/businesses;
- 2) work to curtail consumption of fossil fuels;
- 3) engage Alexandria residents and businesses in emissions-reducing actions;
- 4) identify opportunities for climate adaptation policies and practices.

Additionally, the Task Force will be requested to provide guidance on an Energy and Climate Change Action Plan implementation roadmap, including identifying and evaluating funding and budgeting strategies, specific implementation steps and approaches, and methods to measure and track progress against time-specific goals consistent with the EAP2040. The Energy and Climate Change Task Force will meet a minimum of 5 times starting in May 2021.

The City of Alexandria will also be conducting at minimum three community engagement events, including workshops on climate change mitigation, vulnerability, and adaptation and resiliency topics. These workshops serve to inform the Alexandria community of the ECCAP issues and process, and to solicit feedback and input from the Alexandria community and stakeholders on prioritizing climate change mitigation, vulnerability, and adaptation and resiliency actions according to community objectives, benefits, issues, and needs. In addition, City staff will be issuing three surveys over the course of the ECCAP update process to solicit feedback and input from the Alexandria community and stakeholders on prioritizing climate change mitigation, vulnerability, and adaptation and resiliency actions according to community objectives, benefits, issues, and needs. Surveys will be distributed in coordination with the Climate Change Mitigation Planning, Climate Change Vulnerability, and Climate Change Adaptation and Resiliency Planning tasks to provide further input and prioritization consideration.

Scope of Work

The City of Alexandria seeks a qualified consultant to perform the following Tasks in support of the development of an Energy and Climate Change Action Plan:

Task 1 - Project Kickoff and Management

1. The consultant team will manage technical analysis for the development of the City of Alexandria's Energy and Climate Change Action Plan (ECCAP). The consultant team, with City staff, will summarize the City's climate action planning and implementation history and will host a project kickoff meeting and introduce the Consultant team to City staff.
2. The consultant team will provide ongoing project management via regular check-in calls with the City Staff project management team and status update reports provided by the Consultant team for the purpose of keeping City staff and stakeholders current on ECCAP development issues, timelines, and milestones.
3. The consultant team will coordinate with City staff to integrate and align the ECCAP with the City's participation in regional and national climate action planning processes, including, but not limited to, the ICLEI Integrated Climate Action Planning Cohort (ICAP) program; MWCOG's Regional Climate and Energy planning and programs, and Transportation Planning Board (TPB) transportation greenhouse gas emission mitigation and climate vulnerability analysis processes; and NVRC's climate resiliency planning.
4. The consultant team should support City staff's preparation of interim reports, presentations, and updates to the Energy and Climate Change Task Force, relevant City commissions (eg Environmental Policy Commission, Transportation Commission, Planning Commission), and final adoption by the City Council.

Task 2 - Climate Change Mitigation Planning

1. Review and synthesize City, regional, and state climate action plans, studies, data, analyses, etc. that address climate change mitigation planning, actions, and implementation plans. This includes evaluation of applicable Environmental Action Plan 2040, Alexandria Mobility Plan, small area plans, MWCOG Regional Climate and Energy Plan, MWCOG Transportation Planning Board 2021 Mitigation Study, and regional climate action plans (eg Arlington County Community Energy Plan; Fairfax County Climate Action Plan; Montgomery County Climate Action Plan; District of Columbia's Clean Energy DC and Climate Ready DC plans; etc.), among others (See Appended X for a preliminary list). Identify regional priority climate change mitigation actions with commonality to Alexandria and extract relevant data and analysis for use in high-priority climate change mitigation action identification and analysis.
2. Review and synthesize data and analysis of greenhouse gas emissions, reduction targets, high-impact greenhouse gas emission reduction action analysis as available from the City's coordination with MWCOG, ICLEI, and other supporting and partner organizations.
3. Review business-as-usual greenhouse gas emissions to 2030 and 2050 using values from ICLEI technical support analysis, the MWCOG Regional Climate and Energy Plan, and utilizing the major sources of greenhouse gas emissions from the City of Alexandria's 2018 Greenhouse Gas Emissions Inventory. These include but are not limited to, residential and commercial buildings, and transportation sectors. As necessary, provide recommended adjustments to business-as-usual projections.
4. Calculate the contributions from the transportation, new construction (residential and commercial), existing buildings (residential and commercial) sectors needed to achieve the City's 2030 and 2050 greenhouse gas emission reduction targets, respectively, as identified in the City's Environmental Action Plan 2040 and MWCOG's Regional Climate and Energy Action Plan. Identify the portion of each sector's necessary target reduction independent of utility, state, and federal actions.
5. Provide a high-level estimated range of applicable projected Scope 3 community greenhouse gas emissions for years 2020, 2030, and 2050 according to established best-practice consumption-based and supply chain greenhouse gas inventory modeling and estimation methodologies, with consideration of reasonable economic, population, transportation, and land-development assumptions in coordination with the City and MWCOG. The estimated range of applicable Scope 3 community greenhouse gas emissions is for communications purposes only to share what information is available for projects, programs and policies going forward. This effort should identify potential tools and data to use for EAP Action 1.1.2 for capital improvement projects.
6. Identify, quantify, and project the greenhouse gas emissions reductions from climate mitigation actions identified in the City's Environmental Action Plan 2040, MWCOG Regional Climate and Energy Plan in relationship to Task 2.1 and Task 2.2 to 2030 and 2050. Applicable Environmental Action Plan 2040 and MWCOG Regional Climate and Energy Plan actions are listed in Appendix XX.

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7. In coordination with City staff, prioritize timing or scaling of Environmental Action Plan 2040 actions and MWCOG Regional Climate and Energy Action Plan actions in order to achieve Environmental Action Plan 2040 goals. If applicable, identify net greenhouse gas emissions reduction deficiencies according to timing or scaling for the implementation of actions to achieve the City's Environmental Action Plan 2040 goals.
8. As appropriate, identify and quantify additional high-impact greenhouse gas emission reduction actions not already identified and necessary to achieve City's Environmental Action Plan 2040 greenhouse gas emissions goals with a focus on actionable regional and state greenhouse gas emission reduction actions as identified in Task 2.1 and Task 2.2.
9. Review results of community engagement workshops and surveys. Update prioritization of timing and scaling of climate mitigation actions based on community input, including objectives, benefits, issues, and needs.
10. In coordination with City staff, develop an implementation plan for each identified action to include, but not limited to:
 - a. Overview information, including documentation and references to the methodology(s) used to evaluate the action;
 - b. Implementation details, including best practice examples and guidance ;
 - c. Policy, legal, or other related barriers or considerations, including evaluation of opportunities to overcome such barriers;
 - d. Budget or estimated cost requirements, including evaluation of implementation and programmatic needs to include existing or new staffing needs;
 - e. Return on Investment (e.g. cost vs benefit including, but not limited to, use of accepted social costs of carbon, costs of inaction, etc.);
 - f. Avoided cost of carbon;
 - g. Equity considerations, including opportunities to advance City racial and social equity goals such as: recommendations to provide locational and distributional benefits to underserved communities, and support energy and climate justice outcomes;
 - h. Implementation timing, scheduling, and sequencing;
 - i. Co-benefits, particularly those related to improving public health and community well-being, addressing the needs of disadvantaged and frontline communities, synergies with climate adaptation and resiliency practices, and opportunities to advance economic development;
 - j. Evaluation and performance tracking metrics;
 - k. Governance models, and education and outreach considerations;
 - l. Partnership or coordination opportunities.

Task 3 – Climate Vulnerability Assessment

1. Provide an assessment of the City's climate vulnerabilities based on best available climate projections at multiple time scales (eg 2025, 2030, 2050, 2100) prioritizing impacts of temperature and precipitation according to the MWCOG Regional Climate and Energy Plan's high-level climate vulnerability assessment. The consultant team will further utilize information derived from City staff's use of the ICLEI Temperate vulnerability analysis tool as part of the City's participation in the ICLEI ICAP cohort process for the City's further consideration.
2. Evaluate the range of environmental, infrastructure, health, and social impacts to the Alexandria community to include: increase in temperature and frequency of extreme heat; sea-level rise, coastal, and riverine flooding; and increase in frequency and intensity of storm events, to include inland flooding. Infrastructure impacts shall include transportation, community assets (e.g., schools), buildings, energy, and other critical infrastructure. Social impacts shall include identifying population groups with high sensitivity (i.e., highly affected when exposed to a climate hazard) and low adaptive capacity (i.e., limited resources to cope with climate hazards, manage impacts, or move to safety) to climate vulnerabilities and evaluate impacts.
 - a. Develop mapping of climate vulnerabilities in relationship to populations and critical infrastructure.
 - b. For each sector, the consultant will provide a risk rating, coordinate with City staff to prioritize risks, and conduct a basic economic analysis to estimate order of magnitude costs of climate change impacts. The basic economic analysis should include basic costs associated with climate risk events, including the cost of inaction, to the extent possible. In addition, the basic economic analysis should include changes in operational costs, cost of direct damage, lost property tax revenue or other effects.
3. Review and synthesize City, regional, and state plans and studies that address the climate vulnerabilities identified and evaluated in Task 3.1 and Task 3.2.
4. Review results of community engagement workshops and surveys. Prioritize climate vulnerabilities based on community input, including objectives, benefits, issues, and needs.
 - a. Provide recommendations for further studies and analyses the City should consider to address identified climate vulnerabilities. Highlight applicable frameworks, best practices, and any resources developed by regional, state, and federal agencies and made available for purposes of further climate vulnerability assessment, or climate adaptation and resiliency planning.

Task 4 – Climate Adaptation and Resilience Planning

1. Review and synthesize City, regional, and state plans and studies that address climate adaptation and resilience practices, including, but not limited to Environmental Action Plan 2040, MWCOG Regional Climate and Energy Plan, Northern Virginia Regional Commission, and Commonwealth of Virginia adaptation actions, among others.
2. Based on the climate vulnerability assessment (Task 3 and 4.1), identify and recommend climate adaptation and resilience strategies to extreme heat; sea-level rise, coastal, and riverine flooding; and increase in frequency and intensity of storm events, to include inland flooding. Recommendations may focus on policies related to Small Area Plans for re-development projects; best practices for siting of public infrastructure within in the FEMA designated floodplain; updating the freeboard height in the zoning ordinance (6-306 B), transportation system adaptation opportunities; and strategies for the community in response to coastal inundation related to sea level rise.
3. In coordination with City staff, develop an implementation plan for each identified strategy to include -- but not limited to -- implementation details, budget requirements, timing, partnership or coordination opportunities, and co-benefits.
4. Provide recommendations for further studies and analyses the City should consider to address adaptation and resilience practices; highlight applicable frameworks, best practices, and any resources developed by regional, state, and federal agencies.
5. Review results of community engagement workshops and surveys. Prioritize adaptation and resiliency practices based on community input, including objectives, benefits, issues, and needs.
6. In coordination with City staff, provide guidance on incorporation of the adaptation and resilience strategies that may be incorporated into other City-planning processes such as the Stormwater Master Plan, Resilience Plan, etc.

Task 5 – Climate Equity Assessment

1. Synthesize the results of Tasks 2, 3, and 4 – including implementation plans – according to advancing the City’s All Alexandria Racial and Social Equity policy priorities in context of climate change, including the results of community engagement workshops and surveys. Provide additional context to prioritizing climate change mitigation, and adaptation and resiliency practices based on community input on climate equity, including objectives, benefits, issues, and needs.
2. Evaluate energy burden in the City of Alexandria in context of climate change mitigation, and climate change adaptation and resiliency opportunities identified in Task 2 and Task 4, respectively, including:
 - a. Synthesize and analyze available energy burden data and analyses, including impacts household energy (electricity + gas) and transportation energy use and costs (using available data US DOE Office of Energy Efficiency and Renewable Energy Low-income Energy Affordability Database (LEAD) tool, <https://www.energy.gov/eere/slsc/maps/lead-tool> and other resources);
 - b. As necessary, provide additional analysis of available data in context of demographics, housing characteristics, transportation access, income characteristics, or health indicators;
 - c. As necessary, format energy burden data and analysis to be integrated into the City’s equity index mapping processes and analysis efforts;
 - d. Provide strategies or best practices to address energy burden disparities in context of Task 2 and Task 4 priorities.
3. Conduct a heat vulnerability assessment to evaluate the impact of increasing and sustained heat events in Alexandria using best practice assessment methodologies. A heat vulnerability assessment should include, but is not limited to:
 - a. Evaluation of locational heat sensitivities, vulnerabilities, and adaptative capacity according to demographic factors, built environment and heat islands, infrastructure, tree canopy, open space, etc.;
 - b. Creation of heat vulnerability index for integration into the City’s equity index mapping processes and analysis efforts;
 - c. Provide strategies or best practices to address heat vulnerabilities in context of Task 2 and Task 4 priorities, including, but are not limited opportunities for greening, cooling, waste heat reduction, materials specification.

Task 6 – Draft City of Alexandria Energy and Climate Change Action Plan

1. Develop an outline, provide initial and ongoing drafts, and a final City of Alexandria ECCAP report in close collaboration with City staff. At minimum, the ECCAP report shall include, but is not limited to:
 - An Executive Summary;
 - Summary review and synthesis of relevant regional and state plans, policies, or actions supporting the City’s energy and climate action plan development or implementation;
 - Summary review and synthesis of relevant City plans and policies;
 - Summary review of Energy and Climate Change Task Force meetings, including documented priorities and guidance, and community engagement and education actions;
 - Summary and results of work performed for Task 2 – Climate Mitigation Planning, Task 3 – Climate Vulnerability Assessment, Task 4 – Climate Adaptation Planning, Task 5 – Climate Equity Assessment;
 - Appendices, as appropriate, detailing specific details not contained in other sections of the ECCAP report;
 - Other information as necessary to critical to the development of City’s Energy and Climate Action Plan, including process details, communications, data, models, references, results, etc.
2. Translate draft and final ECCAP reports into, at minimum, the Spanish language in addition to English.
3. Participate in the City’s feedback process on the draft ECCAP, including feedback from the Energy and Climate Change Task Force and community engagement workshops or surveys. Summarize community feedback and will incorporate input into the final ECCAP in consultation with City staff.
4. Develop and publish a two-page ECCAP summary factsheet in both the English and Spanish languages.

Task 7 – Community Engagement Events Support

1. Provide City staff guidance on the development of outlines, strategy, and best-practice delivery approaches to facilitating community engagement workshops with the Alexandria public and stakeholders.
2. Provide graphics, slides, handout materials, or other deliverables resulting from work delivered in this scope of work for use in facilitating community engagement workshops.
5. Provide City staff guidance on the development of survey instruments used to evaluate community input reflecting objectives, benefits, issues, and needs of climate change mitigation and adaptation and resiliency priorities.

Appendix X

	Summary	Document Link
Main Resources		
2011 Energy and Climate Change Action Plan		2011 Energy and Climate Change Action Plan
2019 Climate Emergency Resolution		2019 Climate Emergency Resolution press release 2019 Climate Emergency Resolution
Environmental Action Plan 2040		Environmental Action Plan 2040 (see Introduction, pg. 3 and Climate Change, pg. 13)
Greenhouse Gas Emissions Inventory	2018 Community-wide GHG inventory	2018 Greenhouse Gas Inventory
MWCOG 2030 Climate and Energy Action Plan	Regional Action Plan	MWCOG 2030 Climate and Energy Action Plan
2020 Alexandria Environmental Achievements	Highlights of accomplishments and activities currently underway in the City.	2020 Alexandria Environmental Achievements
ICLEI Integrated Climate Action Planning Cohort Overview		ICLEI Integrated Climate Action Planning Cohort Overview
ALL Alexandria – Achieving Racial and Social Equity		ALL Alexandria Background & the GARE Theory of Action ALL Alexandria Resolution
Arlington County Community Energy Plan		https://environment.arlingtonva.us/energy/community-energy-plan-cep/
Fairfax County Climate Action Plan		https://www.fairfaxcounty.gov/environment-energy-coordination/cecap

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District of Columbia		Clean Energy DC Climate Ready DC
Montgomery County Climate Action Plan		Montgomery County Climate Action Plan
Richmond Climate Action Plan		Richmond RVA Green Climate Action Plan
Charlottesville Climate Action Plan		Charlottesville Climate Action Planning
Mitigation		
Green Building Policy	Green Buildings have been identified by the City as a major component of its commitment to sustainable development. The City's initiatives through its strategic plan, commitment to Green Building of City facilities, and the adoption and phased implementation of the Eco-City Charter lay the foundations for the wider adoption of Green	Green Building Policy 2019 Memo to Industry, 8/5/2019
Renewable Energy		Environmental Action Plan 2040 (see Renewable Energy, pg. 21) City website Renewable Energy resources
Energy Efficiency and Conservation		Environmental Action Plan 2040 (see Energy Efficiency, pg. 24) City website Energy Efficiency resources
Alternative Forms of Transportation		Environmental Action Plan 2040 (see Prioritizing Low-Carbon Mobility Options, pg. 65)
Green Vehicle Fleet	Alternate Fuel Policy	City of Alexandria Alternative Fuel Policy

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		Zero-Emission Electric Bus (DASH) program
Sustainable Transportation Options		DRAFT Alexandria Mobility Plan
Transportation Management Plans (TMPs) - Special Use Permits		DRAFT Alexandria Mobility Plan
MWCOG Transportation Planning Board 2021 Climate Change Mitigation Study		TPB Climate Change Mitigation Study
Urban Forestry Planning		Urban Forestry Master Plan
WasteSmart Plan		Environmental Action Plan 2040 (see Solid Waste, pg. 47) WasteSmart Strategic Plan
Land Use Planning – Small Area Plans (SAP)	<p>The Alexandria Master Plan is made up of 18 Small Area Plans covering neighborhoods throughout the city, as well as topical chapters of citywide relevancy, such as Historic Preservation, Urban Design, Transportation, and Open Space. The Alexandria Master Plan was adopted by the City Council on June 13, 1992, and chapters are added or updated on an ongoing basis as needed through Master Plan Amendments.</p> <p>*Most recent plans are linked</p>	Alexandria West (1992) Beaugard (2012, 2013) Braddock Road (1992) Eisenhower East (2020) Eisenhower West (1995) Fairlington/Bradlee (1992) King St. Metro (1992) Landmark/Van Dorn (1992) Northeast (1992) N. Potomac Yard (2017) Northridge/Rosemont (1992) Old Town (1992) Old Town North (2017) Potomac West (1992) Potomac Yard/Potomac Greens (1992) Seminary Hill/Strawberry Hill (1992) Taylor Run/Duke Street (1992) Waterfront (2012)
Vulnerability, Resiliency, & Adaption		
Heat		Public Health Readiness

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Intense/Frequent Storms	The City experienced Responsible Departments: Stormwater, Sanitary, and Public Works in coordination with DPI and RPCA	CASSCA Report Flood Action Alexandria Flooding & Drainage Website
Federal Flood Mapping	n. But along with these benefits come natural hazards. Flooding is one of the most common risks to Virginia residents living in floodplains, and in Alexandria approximately 20% of the City is mapped as floodplain. The 100 year floodplain is the area that has a 1% chance of being flooded in any given year. Put another way, it has about a 26% chance of being flooded over the life of a 30 year mortgage. Smaller floods have a greater chance of occurring in any year and can still create a significant flood hazard to people and property close to the channel.	Floodplain Ordinance
Transportation Resiliency Planning		Transportation Planning Board (TPB) Climate Resiliency Planning WMATA Resiliency Planning
ResilientALX		ResilientALX Charter ResilientALX Planning

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Northern Virginia Hazard Mitigation Plan		Northern Virginia Hazard Mitigation Plan
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Appendix XX

Applicable Environmental Action Plan 2040 actions for greenhouse gas emissions reduction consideration according to Task 2.6.

EAP Action Category	EAP Action Item	Notes
Climate Change	1.1.2	Recommend tool for CIP carbon impact
	1.1.4	Included with vulnerability assessment task
Energy	2.1.2	Recommend timing, tools, and priorities for transitioning to all electric
Green Building	3.1.10	Recommend timing for Net zero renovations in existing buildings
Water Resources	6.1.3	Recommend green infrastructure policies from other locales
	6.2.7	Analysis of freeboard height review for ZO update
Transportation	7.1.3	Recommend a carbon impact checklist for transportation related development
	7.1.4	Share recommendation from other locales for shared mobility impacts
	7.1.5	Recommend timing and lessons learned from other locales for EV transit
	7.1.6	Recommend City applicable low stress options for low carbon mobility from other locales
	7.2.2	Provide estimated carbon and transportation impacts from new metro and related development
	7.2.3	Recommend successful options for moving away from single use vehicles used in other locales
	7.3.1	Recommend regional integration options for low carbon mobility
Air Quality	9.1.5	Identify air quality impact and metrics for transportation changes in the city
	9.1.7	Provide tools or methods for measuring air quality impacts from EAP action changes as a co-benefit to carbon reduction

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Applicable MWCOG Regional Energy and Climate Action Plan actions for greenhouse gas emissions reduction consideration according to Task 2.6.

MWCOG RECP Category	MWCOG RECP Action Item
Planning	PL - 1 Advance Climate Planning and Track Progress
Equity	EQ - 2 Prioritize Sustainable Energy Access for All
	EQ - 1 Enable Equitable Planning Practices
Clean Electricity	CE - 1 Advocate for Aggressive Renewable Portfolio Standards
	CE - 2 Accelerate Development of On-Site Renewables
	CE - 3 Accelerate Deployment of Battery Storage
	CE - 4 Accelerate Development of Microgrids for Critical Infrastructure
	CE - 5 Accelerate Development of Large-Scale Off-Site Renewables
	CE - 6 Advocate for and Implement Community Choice Aggregation
Zero Energy Buildings	ZEB - 1 Expand Building Benchmarking Requirements
	ZEB - 2 Accelerate Deep Building Retrofits
	ZEB - 3 Enhance Green Building Codes and Policies to Facilitate Net Zero Energy Building Development
	ZEB - 4 Expand Proper Disposal and Leak Detection of Refrigerants
Zero Emission Vehicles	ZEV - 1 Expand Light-Duty Electric Vehicle Deployment
	ZEV - 2 Accelerate Electrification of Medium- and Heavy-Duty Vehicles
	ZEV - 3 Build Out Regional Electric Vehicle Charging Network
Mode Shift and Travel Behavior	MSTB - 1 Invest in Infrastructure that Increases Transit, Carpooling, and Non-Motorized Travel
	MSTB - 2 Bring Jobs and Housing Closer Together
	MSTB - 3 Enhance Options for Commuters
Zero Waste	ZW - 1 Implement Curbside Organics Recycling Programs
	ZW - 2 Reduce Solid Waste Generation

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	ZW - 3 Build Markets for Circularity
Sequestration	SQ - 1 Strategically Plant New Trees on Publicly Owned Land
	SQ - 2 Enhance Regulatory Capacity to Manage Tree Canopy and Forest Protection
	SQ - 3 Enhance Incentives and Financing Mechanisms for Tree Planting and Preservation on Privately Owned Lands

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