

State and Local Government Climate Resources

Participant Organization	Climate Mayors Contact: Meghan Pazik Email: meghan@climate-mayors.org
GHG Inventory	Connect Mayors with partners that can help cities set up GHG inventory. Additionally, Climate Mayors is piloting a GHG data collection mapping tool for member cities with Crosswalk Labs.
Setting Climate Targets	Encourage Mayors through peer learning and ambitious goal setting to identify and select climate targets that are achievable within the context of their city. Additionally, assist Mayors with resources and partners that can help them achieve those targets.
Creating a Climate Action Plan	Climate Mayors created a Cities Climate Action Compendium, which can serve as a useful guide for municipalities as they consider climate action. The guide includes emission reduction targets and dates, significant climate actions and policies, and new and recent notable action for representative cities. Climate Mayors also partners with ICLEI, CDP, and other partners to help Mayors develop new Climate Action Plans.
Project Prioritization and Selection	Partner with USDN that helps provide project prioritization and selection assistance
Identifying/Pursuing Funding Sources	<p>Climate Mayors, C40 Cities, and USDN released a Guidebook to help local leaders understand the landmark Inflation Reduction Act and all the resources available to them through the law. The guidebook advises U.S. mayors and city staff on the opportunities for local governments, organizations, and businesses to implement the Inflation Reduction Act and address climate change.</p> <p>In November, Climate Mayors, C40 Cities, and USDN released a paper illustrating city roles in implementing IRA and BIL. It also identifies the tools and resources local governments need to deploy federal climate funds most efficiently and effectively, and recommends what federal agencies, state governments, funders, and climate advocates can do to help.</p>
Identifying/Pursuing Financing Tools	Connect Mayors with legal and financial partners to assist cities integrate different financial tools from the IRA, BIL, and other mechanisms that help local governments budget plan for climate mitigation and adaptation projects.
Monitoring Progress/Impact	Track Mayoral progress and impact through success stories, grants awarded from IRA, BIL and other relevant federal resources, and federal recognition.

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Participant Organization	University of Washington Urban Infrastructure Lab Contact: Jan Whittington Email: janwhit@uw.edu
GHG Inventory	GHG emission forecasts for all capital investments, compared to business as usual, with choices for modifying emissions and associated costs over the lifecycle of the assets. GHG forecasts are produced using a Decarbonization Module for the CIP (capital improvement planning process) and capital budgeting process, with monitoring continuing through engineering, construction, and operations.
Setting Climate Targets	Forecasts in the Decarbonization Module track the progress toward GHG reduction targets from the capital budget each year. Resilience Module (excel) identifies potential material loss forecasted across each cycle, what mitigation measures look like in terms of reduced losses over life of asset, as well as the ratio of cost to mitigation/relocation.
Creating a Climate Action Plan	The modules for decarbonization, resilience, and social equity, are key instruments for implementing the CAP in the capital planning and budgeting process (the CIP) every year. A CAP is not required, however, to make use of these tools.
Project Prioritization and Selection	The full set of tools available includes a module for prioritizing proposed capital investments in the routine budget cycle, bringing forward the lifecycle cost, GHG forecasts, forecasts of material loss and damage from climate-exacerbated natural hazards, and social equity data for each project for consideration in prioritization.
Operating Budget/CIP Development	All Modules (excel) are inserts in the CIP and Budgeting Process. Decarbonization Module modifies proposed investments across all categories of GHG and shows the financial impact on the Capital and Operating Budgets. Resilience Module modifies investments to avoid loss and damage from all climate-exacerbated natural hazards, estimates Capital Costs for repair, post-disaster Operating Cost, and capital reserves required to address losses that cannot be avoided.
Identifying/Pursuing Funding Sources	Application of the Decarbonization, Resilience, and Social Equity Modules in the CIP and budgeting process produces data at the project and program level for the whole capital pipeline, to be used to match projects with sources of funding.
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Aligning Governance Processes	Inserting the Decarbonization, Resilience, and Social Equity modules within the CIP and budgeting process provides the means to implement the CAP within all activities of capital budget decision-making.
Monitoring Progress/Impact	The suite of modules produces a series of indicators for understanding and modifying the effect of the capital pipeline of projects and capital budgets on GHG emissions, carbon sequestration, energy efficiency, estimated loss and damage (due to climate-exacerbated natural hazards), avoided loss and damage, capital reserves, capital cost, operating cost, annual maintenance cost, major periodic maintenance cost.
Reporting	The modules create a collection of indicators (for each project, program, and the whole capital plan and budget) that could be provided to those who want to understand the effects of projects on GHG emissions, project material risk and how it is being mitigated, and how the city is using the capital budget and capital pipeline to reach its climate targets.

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Participant Organization	Urban Sustainability Directors Network (USDN) Contact: Cynthia McCoy Email: cynthiamccoy@usdn.org
Creating a Climate Action Plan	USDN's High Impact Practices are a set of priorities guiding local government practitioners to take impactful actions to advance equity, GHG reduction, and resilience. These priorities serve as a baseline for progressive climate action plans. (https://www.usdn.org/high-impact-practices.html#/)
Project Prioritization and Selection	USDN is developing models to build local government capacity based on local staffing levels, to help translate climate goals into a list of prioritized projects that have the opportunity for federal funding.
Identifying/Pursuing Funding Sources	Provide webinars and member trainings on how to prepare applications for federal funds, how to be competitive applicants. Provide TA and coaching on proposals. USDN supports members with dedicated resources that can be used for training and problem solving to incentivize informed, context-dependent local climate work within local, metro, and regional contexts. The organization is heavily involved in trying to support local governments in obtaining federal funds or philanthropic funds to fill existing gaps
Identifying/Pursuing Financing Tools	USDN has published several Innovation Products on the topic of government operations, including climate action planning financing and funding: https://www.usdn.org/products-government.html#/
Aligning Governance Processes	USDN has published several Innovation Products on the topic of government operations, including municipal staff engagement: https://www.usdn.org/products-government.html#/
Monitoring Progress/Impact	USDN has published several Innovation Products on the topic of measurement: https://www.usdn.org/products-metrics.html#/

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Participant Organization	Center for Climate and Energy Solutions (C2ES) Contact: Amy Bailey Email: baileya@c2es.org
GHG Inventory	Climate-Related Financial Risks and Opportunities: A Primer for Local Governments provides a compendium of existing tools (including federal agency tools) and frameworks to support municipalities in identifying physical climate hazards, vulnerability, and risk assessments.
Creating a Climate Action Plan	C2ES provides thought leadership through numerous and comprehensive best practices, blueprints, and case study resources, some in collaboration with US Conference of Mayors, on prioritizing and advancing resilience strategies.
Identifying/Pursuing Funding Sources	C2ES provides Case study resources that highlight what cities can do to preposition themselves for IJA funding. The report includes a guide to federal funding opportunities and steps to position local agencies to receive funds and replicate successful project strategies.
Identifying/Pursuing Financing Tools	C2ES provides a Guide to Public-Private Collaboration on City Climate Resilience Planning including how local governments can undertake public-private collaboration on city climate resilience planning and recommends to city resilience planners specific actions they can take to bring their business community into the climate resilience planning process. Additional reports include guides on the use of climate banks.
Reporting	Climate-Related Financial Risks and Opportunities: A Primer for Local Governments provides a compendium of existing tools (including federal agency tools) and frameworks for the disclosure of climate-related financial risk and opportunities.

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Participant Organization	ICLEI – Local Governments for Sustainability USA Contact: Kale Roberts Email: kale.roberts@iclei.org
GHG Inventory	ICLEI ClearPath Climate Planner; Overview of the Emissions Management Platform (4 Modules): 1. Inventory Module - Creates a baseline inventory of GHG emissions from community and/or municipal operations. The Local Government Operations Protocol (LGP) and the U.S. Community Protocol (USCP) provides the principles, approach, methodology, and procedures needed to develop a local government operations GHG emissions inventory.
Setting Climate Targets	ClearPath Forecast Module - The forecast module produces a business-as-usual scenario (or multiple scenarios) and can account for federal, state and utility policies and plans that affect the carbon intensity of the electricity grid and fuel efficiency of vehicles.
Creating a Climate Action Plan	ClearPath Planning Module models emissions-reduction potential for dozens of individual actions. This is paired with two High-Impact Action matrices for cities: one for mitigation and one for adaptation. ICLEI experts provide more than 1,500 hours of technical assistance to city governments each year to develop CAPs.
Project Prioritization and Selection	ClearPath Emissions Management Platform Planning Module - 75 different calculators are available to model emissions reductions from specific actions such as bike paths or residential heat pumps. However, does not provide cost-benefit analysis
Operating Budget/CIP Development	ICLEI Partners with ResourceX – an organization that works with local governments to implement a priority-based budget. ResourceX Priority Based Budgeting (PBB) methodology and software allows for budgeting to align resources to desired outcomes (could be climate, or other priorities).
Identifying/Pursuing Funding Sources	ICLEI is supporting more than 15 local and regional governments to access EPA Climate Pollution Reduction Grants, including development of Priority CAPs.
Aligning Governance Processes	ICLEI Policy Brief provides some resources for local governments on how to structure governance processes to implement climate goals. Organization also provides peer learnings and TA on implementation of climate goals in governmental activities.
Monitoring Progress/Impact	ClearPath Emissions Management Monitoring Module - rank implementation status of each action, as well as to track energy savings and emissions reductions achieved.
Reporting	ICLEI Local Government Operations Protocol provides a standardized set of guidelines to assist local governments in quantifying and reporting GHG emissions associated with their government operations. ClearPath allows streamlined single-file upload to CDP-ICLEI Track reporting process.

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Participant Organization	C40 Cities Contact: Kate Johnson Email: kjohnson@c40.org
GHG Inventory	Pathways Tool is an in-house excel tool to focus on mitigation. City inputs data to create baseline emissions information, including characteristics of city, then helps provide scenario analysis for difference emissions scenarios. Gives insight into what changes are needed to meet emissions goals. Guides decision-making (decision support tool). C40 has in-house experts to support.
Setting Climate Targets	C40 Provides resources and an overarching framework for criteria for climate action planning aligned with the goals of the Paris Climate Agreement. The Climate Transition Framework recently updated the framework to reflect the latest guidance from the United Nations Integrity Matters report. It Includes resources to support cities as they identify mitigation targets and adaptation goals, and the strategies the city can adopt to meet them.
Creating a Climate Action Plan	C40 provides best practices for designing, writing and launching a CAP that effectively communicates the city’s commitment to climate action, the strategies and actions the city will employ, and the evidence that underpins them. All the climate action planning resources are available on C40’s Knowledge Hub here.
Project Prioritization and Selection	C40 provides the Action Selection and Prioritization Tool (ASAP) to support cities, which have already developed a greenhouse gas emissions inventory and emissions scenarios, to select and prioritize climate actions, through a comparison of benefits and challenges. ASAP is an Excel-based tool that documents action information and provides graphic outputs to support the decision-making process. It is designed to support the process of decision making – it does not dictate what those decisions should be.
Operating Budget / CIP Development	C40 has undertaken a climate budgeting pilot, to provide for a new governing process for embedding climate action into budget process. Oslo as lead city, NYC is a pilot subject. Climate Budgeting tools can be used to support transition risk assessment/greenhouse gas mitigation goals that can be integrated into a city’s daily operations and policies.
Identifying/Pursuing Funding Sources	C40 and Climate Mayors published a guide to the Inflation Reduction Act for local leaders which is available here .
Identifying/Pursuing Financing Tools	Most of C40’s finance tools and technical assistance are geared towards cities in the Global South, but there are resources on finance for climate adaptation and mitigation on C40’s Knowledge Hub .
Aligning Governance Processes	C40 resources that outline principles, tools, and resources, that can help cities strengthen governance for CAP implementation. Draws on the evidence-based Governance Self-Assessment Guidance document, which provides more detail on principles.
Monitoring Progress/Impact	C40 provides monitoring, evaluation and reporting guidance for climate action planning teams and an accompanying annex of examples from cities around the world.

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Reporting

C40 provides several reporting frameworks and guidance, including the Climate Risk and Adaptation Framework and Taxonomy (CRAFT), which is a standardized reporting framework that enables cities to perform robust and consistent reporting of local climate hazards and impacts, risk and vulnerability assessment, and adaptation planning and implementation as part of their compliance with the Global Covenant of Mayors. All C40 cities report to CDP.

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Participant Organization	The Climate Registry Contact: Dan Krekelberg Email: dkrekelberg@theclimateregistry.org
GHG Inventory	TCR has a number of free Protocols for calculating annual carbon footprints: <ol style="list-style-type: none"> 1. General Reporting Protocol - Is the foundation of GHG reporting, aligned with the most prominent national and international reporting standards. 2. General Verification Protocol - The protocol that member agencies follow to ensure that their GHG inventories can be third-party verified. This protocol is unique to TCR and follows the rigorous ISO-14064-3 international standards.
Setting Climate Targets	Net-Zero Portal – A free, public, centralized global repository of net-zero and climate neutrality pledges, pathways, and interim targets. This platform allows organizations to demonstrate progress on emissions reductions, share best practices, and contribute to a collaborative knowledge base.
Reporting	Climate Registry Information System (CRIS) - A software platform that agencies use to report annual emissions. It can serve a wide range of public and private organizations - state government, local government, tribes, and special districts for annual reporting. Water-Energy Nexus Registry – A reporting program for organizations who have a large focus on the relationship between energy and water use in their operations. This resource provides water-specific reporting tools and resources and is open to organizations in California at no cost.