| ID | Council Commitment | Council Strategy | Action | Lead | CD | ES | MT | MTS | RA | Role | Type of work | Start Date | End Date | Staff | Funding | Priority |
|-------|---|---|--|--------------|----|----|----|-----|----|-----------|--------------|------------|----------|---------------------------------|-------------------------|----------|
| 1.1.1 | Incorporate environmental justice principles as we plan, implement, and evaluate our climate action work | Develop and adopt an enterprise- wide environmental justice framework consisting of qualitative and quantitative assessment tools. | Recharter the Environmental Justice Task Force and ensure diverse representation from across divisions of the Met Council. | ALL | х | х | x | х | х | Implement | New work | 2023 | 2024 | Needs staffing commitment | Partially funded | 1 |
| 1.1.2 | Incorporate environmental justice principles as we plan, implement, and evaluate our climate action work | Develop and adopt an enterprise- wide environmental justice framework consisting of qualitative and quantitative assessment tools. | Develop reciprocal and meaningful partnerships with marginalized and historically underrepresented community members to create the framework. This includes, but may not be limited to, low-income communities; Black, Indigenous, and people of color communities; and people with disabilities. | ALL | x | x | x | х | х | Convene | Enhance | 2023 | Ongoing | Needs additional staffing | Partially funded | 1 |
| 1.2.1 | Incorporate environmental justice principles as we plan, implement, and evaluate our climate action work | Leverage and improve our data and analysis tools as we center environmental justice in our internally and externally-facing climate work. | For actions in the Climate Action Work Plan flagged with spatial/locational impacts, establish processes for reviewing environmental justice impacts in action implementation. Processes can build off the Council's existing tools (for example, the place-based equity and equity datasets). This will also be part of, and supported by, the development of an environmental justice framework. | ALL | x | х | x | х | x | Implement | Enhance | 2023 | Ongoing | Needs Staffing Commitment | Not currently funded | 1 |
| 1.2.3 | Incorporate environmental justice principles as we plan, implement, and evaluate our climate action work | environmental justice in our | Include overburdened populations and environmental justice concerns when creating and utilizing tools (data, maps, etc.) that assess gregionwide and project-specific climate risks and impacts. | ALL | x | x | x | x | х | Convene | Enhance | 2023 | Ongoing | Needs additional staffing | Not currently funded | 1 |
| 2.1.1 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Adopt a holistic approach to energy management | Designate a division-level Energy Manager - or similar - charged with planning and leading implementation of continual improvements in the measurement, management, and efficiency of energy use and other energy management initiatives. | ES + MT | | х | х | | | Implement | Enhance | 2023 | 2023 | Needs staffing commitment | No funding needed | 1 |
| 2.1.2 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Adopt a holistic approach to energy management | Establish division and facility-level energy performance targets and regularly report on progress. Performance targets should be informed by energy benchmarking data as well as the identification of energy savings potential. | ES + MT | х | х | х | х | x | Implement | Enhance | 2023 | Ongoing | Fully staffed | Partially funded | 1 |
| 2.1.3 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Adopt a holistic approach to energy management | Establish a cross-divisional workgroup on energy management to encourage peer-to-peer learning in the identification and implementation of energy efficiency and renewable energy opportunities. | ES + MT | x | х | х | х | x | Implement | New work | 2023 | Ongoing | Fully staffed | No funding needed | 3 |
| 2.2.1 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | | Develop division-specific inventories of energy-efficiency and building systems electrification opportunities and implementation priorities. Integrate identification, evaluation, and documentation of such opportunities with other facility planning and asset management business processes. | ES + MT + CD | х | х | х | | х | Implement | Enhance | 2023 | Ongoing | Need additional staffing | Partially funded | 2 |
| 2.2.3 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Make buildings and processes more energy efficient, and move towards electric energy sources rather than fossil fuel-based sources | Accelerate the process of retrofitting lighting systems to LEDs with a goal of 95% retrofit completion in 5 years. | ES + MT | | x | x | | | Implement | Enhance | 2023 | 2027 | Needs staffing commitment | Partially funded | 2 |
| 2.2.4 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Make buildings and processes more energy efficient, and move towards electric energy sources rather than fossil fuel-based sources | Identify mechanisms to overcome funding barriers in energy-efficiency financing. | ES + CD | х | x | x | | | Implement | New work | 2023 | 2024 | Fully staffed | No funding needed | 2 |
| 2.3.1 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Purchase and generate renewable energy when cost-effective | Evaluate the opportunities and constraints of various approaches to achieve 100% renewable energy purchases - both thermal and electric such as virtual power purchase agreements, utility-offered green power tariffs, etc. | ES + MT | | х | x | | | Implement | Enhance | 2023 | 2024 | Fully staffed | Fully funded | 1 |

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| 2.3.2 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Purchase and generate renewable energy when cost-effective | Develop an on-site renewable energy deployment plan that consists of the following: * Inventory of Council-owned properties suitable for potential solar photovoltaic development * Design and evaluation criteria for inclusion of onsite solar in major projects. | ES + MT | х | х | x | | х | Implement | New work | 2024 | 2026 | Need additional staffing | Not currently funded | 2 |
| 2.4.3 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Transition Council fleets to electric and alternative fuel vehicles | Develop an electrification and fuel economy improvement transition plan for nonrevenue fleet vehicles and off-road equipment that prioritizes opportunities with the greatest potential for GHG reductions. | ES + MT | х | х | x | | х | Implement | Enhance | 2025 | 2026 | Need additional staffing | Not currently funded | 2 |
| 2.5.1* | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Maximize energy & resource recovery opportunities | Continue pursuit of energy and resource recovery from biosolids management. Anticipated projects in the next 5 years include: * Installation of biogas fueled combined heat and power system at Empire Wastewater Treatment Plant. * Completed design for new steam turbine generator to enhance energy recovery from biosolids incineration at Metropolitan Wastewater Treatment Plant. * Improvements to biogas energy recovery at Blue Lake Wastewater Treatment Plant. | ES | | х | | | | Implement | Status quo | Ongoing | Ongoing | Fully staffed | Fully funded | 2 |
| 2.5.2 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Maximize energy & resource recovery opportunities | Conduct a feasibility study to document opportunities and constraints of extracting and utilizing the embodied thermal energy in wastewater influent and effluent as a heat source for HVAC heat pump applications. | ES | | х | | | | Implement | New work | 2025 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 2.5.3 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Maximize energy & resource recovery opportunities | Document opportunities and constraints of expanded biogas production and utilization at Blue Lake and Empire wastewater treatment plants through additional high-strength waste receiving, food waste codigestion, and other biogas production optimization measures. Develop biogas optimization goals. | ES | | х | | | | Implement | Enhance | 2025 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 2.6.1 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Account and report greenhouse gas emissions | Publish an annual inventory of GHG emissions related to the Council's operations that reflects current best practices in GHG accounting and include direct (for example, fossil fuel combustion, process emissions, etc.) and indirect (emissions from energy purchases, solids waste management, embodied emissions in the supply chain, etc.). | ES + MT | | X | x | | | Implement | Enhance | 2024 | Ongoing | Fully staffed | Fully funded | 1 |
| 2.6.2 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Account and report greenhouse gas emissions | For capital projects greater than \$10 million, or otherwise necessary, prepare life-cycle carbon alternatives analyses and present results with and without accounting for the social cost of GHGs. | ES + MT | | х | х | | | Implement | New work | 2025 | Ongoing | Needs staffing commitment | Not currently funded | 2 |
| 2.7.1 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Investigate opportunities to mitigate greenhouse gas emissions with the highest global warming potential | Develop a refrigerant management plan to: * Establish good record keeping * Ensure safer handling and storage of refrigerants * Improve leak detection and repair * Identify opportunities to switch to lower-GWP refrigerants | ES + MT | | х | X | | | Implement | Enhance | Ongoing | Ongoing | Fully staffed | Fully funded | 2 |
| 2.7.2 | Accelerate emissions reductions from Council operations to achieve carbon neutrality | Investigate opportunities to mitigate greenhouse gas emissions with the highest global warming potential | Develop and implement a research and monitoring strategy to better quantify wastewater process emissions to inform the evaluation of emissions reduction potential from these sources. | ES | | х | | | | Implement | New work | 2024 | Ongoing | Fully staffed | Not currently funded | 2 |
| 3.2.2* | Accelerate regional emissions reductions through existing and new partnerships | | Convene regional partners to identify opportunities to collaborate on the pursuit of State and Federal funding opportunities that accelerate regional emissions reductions. | ALL | x | x | x | x | x | Convene | New work | 2023 | 2025 | Needs staffing commitment | No funding needed | 1 |

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| 3.4.1 | Accelerate regional emissions reductions through existing and new partnerships | Maximize energy & resource recovery opportunities | Conduct a feasibility study to document opportunities and constraints of utilizing embodied thermal energy in wastewater influent and effluent for use in community-level district energy systems. | ES | | x | | | | Implement | New work | 2026 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 3.4.2 | Accelerate regional emissions reductions through existing and new partnerships | Maximize energy & resource recovery opportunities | Document opportunities and constraints of expanded biogas production and utilization at Blue Lake and Empire wastewater treatment plants through additional high-strength waste receiving, food waste codigestion, and other biogas production optimization measures. Develop biogas optimization goals. | ES | | х | | | | Implement | Enhance | 2026 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 4.1.1* | Reduce risks and impacts of climate change hazards to Council facilities and services | into facility and services | Develop a climate vulnerability screening tool to identify and prioritize Council-owned facilities and properties for in-depth climate preparedness reviews. A climate preparedness review should look at the adequacy of existing adaptation measures and emergency plans to respond to major climate events and make recommendations for improved adaptation and resilience. | ES + MT | | x | X | | | Implement | Enhance | 2023 | Ongoing | Needs staffing commitment | Not currently funded | 2 |
| 4.1.6 | Reduce risks and impacts of climate change hazards to Council facilities and services | Incorporate adaptation measures into facility and services planning, design, operations, and maintenance | Evaluate the impacts of climate change on inflow and infiltration to the regional wastewater collection system and develop recommendations to respond accordingly. | ES | | х | x | | | Implement | New work | 2025 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 4.1.7 | Reduce risks and impacts of climate change hazards to Council facilities and services | Incorporate adaptation measures into facility and services planning, design, operations, and maintenance | Participate in state-led efforts to update floodplain management rules for critical facilities. | ES | | х | | | | Implement | Status quo | TBD | TBD | Fully staffed | Fully funded | 3 |
| 4.1.8* | Reduce risks and impacts of climate change hazards to Council facilities and services | Incorporate adaptation measures into facility and services planning, design, operations, and maintenance | Evaluate the effects of climate change on process odors and their impacts on communities adjacent to wastewater infrastructure. | ES | | x | | | | Implement | New work | 2025 | 2027 | Needs staffing commitment | Not currently funded | 2 |
| 4.2.1* | Reduce risks and impacts of climate change hazards to Council facilities and services | Identify opportunities to install and maintain sustainable landscapes on Council property | Incorporate climate-resilient landscape management practices where consistent with facility operation and maintenance requirements, such as: * Raingardens, bioswales, and infiltration basins * Pervious surfaces * Drought tolerant trees, shrubs, and turf grasses * Pollinator, native, and climate-adapted plantings * Invasive and noxious vegetation management * Chloride mitigation * Smart irrigation controllers when irrigation is installed | ES | | x | X | | | Implement | Status quo | Ongoing | Ongoing | Needs staffing commitment | Partially funded | 2 |
| 4.2.2 | Reduce risks and impacts of climate change hazards to Council facilities and services | | Conduct existing condition assessment of Council-owned properties to identify priority locations for protection, enhancement, and restoration of climate-resilient landscapes. | ES | | х | x | | | Implement | Status quo | Ongoing | Ongoing | Needs staffing commitment | Partially funded | 1 |

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| 5.1.1* | Support and collaborate with partners to advance regional climate adaptation efforts | Convene and partner with regional stakeholders to expand climate engagement and collaboration | Convene and participate in conversations with partner organizations and residents to share challenges and best practices, identify gaps and collaboration opportunities and develop a shared regional vision of climate resiliency. | CD + ES | х | x | | х | | Convene | New work | 2024 | Ongoing | Fully staffed | Not currently funded | 1 |
| 5.1.4* | Support and collaborate with partners to advance regional climate adaptation efforts | Convene and partner with regional stakeholders to expand climate engagement and collaboration | Enhance the technical capacity of climate change research partnerships with academic institutions in the Twin Cities region, to ensure technical assistance and tools incorporate current knowledge and research-informed practices. | CD + ES | х | x | | | | Convene | Enhance | 2023 | 2024 | Fully staffed | No funding needed | 1 |
| 5.2.4* | Support and collaborate with partners to advance regional climate adaptation efforts | | Evolve the Council's localized flood mapping tool to incorporate the latest data to accurately assess risk to areas of localized, riverine, and groundwater flooding at a regional scale. Inform and train partners on its use. | CD + ES | х | x | х | х | | Implement | Enhance | 2024 | 2026 | Fully staffed | Not currently funded | 2 |
| 5.2.6* | Support and collaborate with partners to advance regional climate adaptation efforts | Provide and expand technical assistance, tools, and data for regional and Council decision- making | Quantify and map the value of ecosystem services to inform planning processes. Provide a decision-making framework linking climate, water, and land use to ecosystem services across the region. | CD + ES | x | x | | | | Advise | Enhance | 2024 | 2026 | Need additional staffing | Not currently funded | 2 |
| 5.2.7 | Support and collaborate with partners to advance regional climate adaptation efforts | Provide and expand technical assistance, tools, and data for regional and Council decision- making | Fly a metro-specific LIDAR flight every 5 years with the support and funding of watershed agencies, metro cities, and other regional stakeholders. | ES | | Х | | | | Convene | New work | 2023 | Ongoing | Need additional staffing | Partially funded | 2 |

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| 5.3.1* | Support and collaborate with partners to advance regional climate adaptation efforts | Develop and expand regional funding mechanisms for local climate infrastructure | Identify and establish local funding mechanisms, in collaboration with partner organizations, to support investment in climate adaptation and infrastructure resiliency projects that mitigate flooding, reduce urban heat, improve water quality, prioritize environmental justice concerns, and preserve and enhance ecosystem services within the greater metropolitan region. | CD + ES | х | х | | | | Convene | New work | 2024 | 2026 | Needs staffing commitment | Not currently funded | 2 |
| 5.4.1* | Support and collaborate with partners to advance regional climate adaptation efforts | Promote climate connections in regional planning, local plan reviews, and grant programs | Develop a checklist of climate considerations and best practices to address when conducting agency reviews of county groundwater plans, watershed management plans, local surface water plans, water supply plans, local sewer management plans, comprehensive plans and amendments, and environmental reviews. | ES | х | х | | | | Influence | New work | 2023 | 2024 | Fully staffed | No funding needed | 1 |
| 5.4.2* | Support and collaborate with partners to advance regional climate adaptation efforts | Promote climate connections in regional planning, local plan reviews, and grant programs | Develop and integrate climate measures in evaluation criteria and project selection for Council administered grant and incentive programs. | ES + MTS | х | х | | x | | Implement | Enhance | 2023 | Ongoing | Needs staffing commitment | No funding needed | 2 |
| 5.4.3 | Support and collaborate with partners to advance regional climate adaptation efforts | Monitor and assess water resources to identify climate threats | Evaluate how climate-related drivers impact the potential for watershed pollution trading of nitrogen and phosphorus. Highlight in-watershed best management practice opportunities and investments instead of costly wastewater treatment process investments. | ES | | х | | | | Influence | New work | 2024 | Ongoing | Needs staffing commitment | Not currently funded | 2 |
| 5.4.4* | Support and collaborate with partners to advance regional climate adaptation efforts | Provide and expand technical assistance, tools, and data for regional and Council decision- making | Provide technical assistance to regional partners to establish green infrastructure and other nature-based adaptation measures through peer exchanges, content creation, and local and national case studies to increase the number of installations throughout the Metro. | ES | | х | | | | Implement | New work | 2025 | Ongoing | Need additional staffing | Not currently funded | 2 |
| 5.4.5* | Support and collaborate with partners to advance regional climate adaptation efforts | Provide and expand technical assistance, tools, and data for regional and Council decision- making | Evaluate and encourage water reuse where feasible to sustain aquifers through the development of model ordinances, building code requirements, and facilitating collaboration among regional partners to influence code development | ES | | х | | | | Influence | Status quo | Ongoing | Ongoing | Fully staffed | Fully funded | 2 |
| 5.5.1 | Support and collaborate with partners to advance regional climate adaptation efforts | Monitor and assess water resources to identify climate threats | Expand the water resource monitoring network to include all regional priority waters and connected groundwaters to better track the impacts of climate change. Parameters to monitor should include water temperature, chloride, nutrients, suspended sediments, flow, water elevation, etc. | ES | | х | | | | Implement | Enhance | 2023 | Ongoing | Fully staffed | Not currently funded | 2 |
| 5.5.2 | Support and collaborate with partners to advance regional climate adaptation efforts | Monitor and assess water resources to identify climate threats | Incorporate climate projections and impact analysis to enhance water resource assessments and modeling. | ES | | x | | | | Implement | Enhance | 2024 | Ongoing | Need additional staffing | Not currently funded | 2 |
| 5.5.3 | Support and collaborate with partners to advance regional climate adaptation efforts | Monitor and assess water resources to identify climate threats | Conduct climate vulnerability assessments of regional drinking water supplies for local water suppliers. | ES | | х | | | | Implement | New work | 2024 | Ongoing | Needs staffing commitment | Not currently funded | 2 |

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| 6.1.1 | Cross-cutting | Expand staffing and training dedicated to climate work | Create an interdivisional Climate Action Plan implementation team with corresponding division-level climate work groups. The interdivisional team will include operational and planning staff; leadership support; and responsibilities for evaluation and reporting on the implementation of strategies. | ALL | х | x | X | х | X | Implement | New work | 2023 | 2024 | Needs staffing commitment | Partially funded | 1 |
| 6.1.2 | Cross-cutting | Expand staffing and training dedicated to climate work | Identify internal workforce development needs, both at individual contributor and managerial levels, and provide the training and professional development opportunities for staff to enrich their skills and expertise related to supporting the Council's Climate Action commitments. | ALL | x | x | x | х | x | Implement | New work | 2023 | 2024 | Needs staffing commitment | Partially funded | 1 |
| 6.1.3 | Cross-cutting | Expand staffing and training dedicated to climate work | Evaluate the Council's external reporting and disclosure of climate mitigation and adaptation efforts to streamline reporting, assign responsibility to appropriate Council staff, and avoid duplication. | ALL | х | х | х | х | x | Implement | Enhance | 2023 | 2024 | Needs staffing commitment | No funding needed | 1 |