

## Met Council Climate Action Plan: Climate Action Matrix

*8/10/2022 Draft*

Council Commitment	Council Strategy	Action ID	Action	Council Role	CD	ES	MT	MTS	RA	Division Lead	Timeline	Personnel	Funding	Prioritization (1 is highest)
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	1	Develop climate mitigation and adaptation strategies to address current and future climate impacts to regional parks and trails within the next Regional Parks Policy Plan.	<b>Implement</b>	X					CD	Medium (1-3 years)	Fully Staffed	Funded	3
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	2	Evaluate Council participation in external reporting and disclosure of climate mitigation and adaptation efforts to streamline reporting, assign responsibility to appropriate Council staff, and avoid duplication.	<b>Implement</b>	X	X	X	X	X	CD	Short (1 year)	Needs additional staff		2
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	3	Utilize Council climate research, data, and tools to inform decision-making within Council programs, like grantmaking, in order to advance environmental justice outcomes.	<b>Implement</b>	X			X		CD	Medium (1-3 years)	Fully Staffed	Needs additional funding	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Account and disclose GHG emissions	4	Maintain a regional community-scale GHG inventory and business-as-usual forecasts to support regional and local planning and collect and synthesize regional climate mitigation and adaptation data in an easily accessible platform for public consumption	<b>Implement</b>	X			X		CD	Short (1 year)	Fully Staffed	Funded	2
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	5	Quantify and map the value of ecosystem services to inform planning processes. Provide a decision-making framework linking climate and land use to ecosystem services across the region.	<b>Advise</b>	X					CD	Medium (1-3 years)	Needs additional staff	Funded	2
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	6	Develop qualitative research to support effective climate-related technical assistance through partnerships with new organizations. Emphasize storytelling and knowledge sharing with local governments. Use qualitative methods to develop insight on barriers and opportunities of climate action in our region.	<b>Advise</b>	X			X		CD	Medium (1-3 years)	Fully Staffed	Funded	1
Climate equity	Adopt EJ framework	7	Apply environmental justice principles and include environmental justice data in updates and creation of all climate-related tools.	<b>Implement</b>	X			X		CD	Medium (1-3 years)	Needs additional staff	Funded	1
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	8	Encourage use of Council climate data and tools in assessment, design, and maintenance of Council capital projects and assets.	<b>Implement</b>	X	X	X	X	X	CD	Short (1 year)	Not staffed	Funded	1
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	9	Convene and participate in climate conversations with Tribes, counties, watersheds, cities, and townships to share challenges and best practices, identify gaps and collaboration opportunities, and to provide technical assistance.	<b>Convene</b>	X	X		X		CD	Short (1 year)	Fully Staffed	Unfunded	1

Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	10	Enhance 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	<b>Convene</b>	X						CD	Medium (1-3 years)	Fully Staffed	Funded	2
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	11	Document and share climate change mitigation and adaptation strategies and guidance for counties, cities, and townships to adopt into local policy, planning, or programs.	<b>Advise</b>	X			X			CD	Medium (1-3 years)	Needs additional staff	Funded	2
Support and collaborate with regional partners to accelerate regional emissions reductions	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	12	Provide technical assistance for city fleet electrification through strategic partnerships.	<b>Advise</b>	X						CD	Medium (1-3 years)	Fully Staffed	Funded	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	13	Establish energy efficiency performance criteria, both short and long term, when considering purchase of homes for the Metro HRA's Family Affordable Housing Program (FAHP) or when procuring contracts for home retrofits. Evaluate net zero energy new construction for HRA housing with the help of air/ground source heat pumps. This would include developing a program for energy efficiency upgrades using the Solar for Vouchers program as a model.	<b>Implement</b>	X						CD	Medium (1-3 years)	Needs additional staff	Needs additional funding	2
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	14	Develop relevant criteria for scoring projects within the Livable Communities Act programs so that they further incentivize efficient land use and compact development tied to climate change mitigation and adaptation.	<b>Influence</b>	X			X			CD				
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Expand staffing and training dedicated to climate work	15	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 implementation of strategies.	<b>Implement</b>	X	X	X	X	X		CD	Short (1 year)	Needs additional staff	Needs additional funding	1
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	16	Incorporate the findings from the Council's climate research work into the 2050 regional development guide to advance more efficient land use planning and avoid areas with direct climate impacts in the region.	<b>Influence</b>	X	X	X	X	X		CD	Medium (1-3 years)	Fully Staffed	Funded	2
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Expand staffing and training dedicated to climate work	17	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 support the Council's Climate Action Commitments.	<b>Implement</b>	X	X	X	X	X		CD	Short (1 year)	Needs additional staff	Needs additional funding	1
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	18	Convene residents, communities, and regional partners to discuss, define, and prioritize climate change challenges to develop a shared vision of climate resilience.	<b>Convene</b>	X	X	X	X	X		CD	Medium (1-3 years)	Needs additional staff	Needs additional funding	2
Advance regional climate adaptation efforts through collaboration with regional partners	Monitor and assess water resources to identify climate threats	19	Monitor regional priority waters for the impacts of climate change (warmer water temperatures, increased pollutant loads (chloride, nutrients, suspended sediments), increased flows, channel instability, etc.)	<b>Implement</b>		X					ES	Medium (1-3 years)	Needs additional staff	Needs additional funding	
Advance regional climate adaptation efforts through collaboration with regional partners	Monitor and assess water resources to identify climate threats	20	Incorporate climate impact analysis in surface water assessments such as: * water quality and flow trend assessments * pollutant loads * erosion and bank failure risk * shifts in biological (macroinvertebrates, fish, etc.) communities * ecosystem service potential * regional identity & values	<b>Implement</b>		X					ES	Long (3-5 years)	Needs additional staff	Needs additional funding	

Advance regional climate adaptation efforts through collaboration with regional partners	Monitor and assess water resources to identify climate threats	21	Integrate climate projections with water resources modeling: * adequacy and sustainability of water supplies * groundwater/ surface water interaction * water demand and water use behavior * regional surface and groundwater pollution vulnerability due to climate-related land use change	<b>Implement</b>		X					ES	Long (3-5 years)	Not staffed	Unfunded
Advance regional climate adaptation efforts through collaboration with regional partners	Monitor and assess water resources to identify climate threats	22	Partner with the Minnesota Office of Climatology, University of Minnesota, NOAA, and other organizations to create data products that account for a changing climate: * new precipitation statistics * storm return intervals * stormwater design standards * climate projections and scenarios	<b>Convene</b>		X					ES	Long (3-5 years)	Not staffed	Unfunded
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	23	Assess regional need and feasibility for the collaboration of watershed agencies, metro cities, and other stakeholders to fund a metro-specific Lidar flight every 5 years. Development occurs at a faster rate within the metro and 10 years is too long for updates.	<b>Convene</b>		X					ES	Medium (1-3 years)	Needs additional staff	Needs additional funding
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	24	Evolve the Council's Blue Spot mapping tool to incorporate the latest data to accurately assess risk to areas of localized, riverine, and groundwater flooding at a regional scale.	<b>Influence</b>		X					ES	Long (3-5 years)	Not staffed	Unfunded
Advance regional climate adaptation efforts through collaboration with regional partners	Provide and expand technical assistance, tools, and data for regional and Council-specific decision-making	25	Partner with Research to develop a regional ecosystem services model to identify areas that may be susceptible to ecosystem function failure due to climate change. (Hybrid of Growing Shade and Blue Spot model).	<b>Influence</b>	X	X					ES	Long (3-5 years)	Needs additional staff	Needs additional funding
Advance regional climate adaptation efforts through collaboration with regional partners	Promote climate connections into local water resources planning and strategies	26	Promote best practices to protect rural drinking water supplies: * Protect, restore, and increase perennial cover in priority Drinking Water Supply Management Areas * Implement the Nitrogen Fertilizer Management Program in vulnerable areas as defined by township testing results * Planting native vegetation and perennial crops to promote infiltration, store more carbon, reduce nitrous oxide emissions, and protect drinking water supplies.	<b>Influence</b>		X					ES	Short (1 year)	Fully Staffed	Funded
Advance regional climate adaptation efforts through collaboration with regional partners	Promote climate connections into local water resources planning and strategies	27	Promote best practices to protect rural surface water resources: * cover crops * conservation tillage * diverse crop rotations * buffers *fertilizer reduction *emerging practices (e.g. biochar on cropland, pastureland)	<b>Influence</b>		X					ES	Short (1 year)	Fully Staffed	Funded
Advance regional climate adaptation efforts through collaboration with regional partners	Promote climate connections into local water resources planning and strategies	28	Evaluate the potential for watershed pollution trading for nitrogen and phosphorus. Create opportunities for upland investments in best management practices for MCES permits and within the region.	<b>Influence</b>		X					ES	Long (3-5 years)	Not staffed	Unfunded

Advance regional climate adaptation efforts through collaboration with regional partners	Incorporate climate connections into local water resources plan review and grant programs	29	Develop checklist of climate impacts and potential climate-driven inequities to incorporate into Council-managed grant programs that support property owner reductions in indoor and outdoor water use and stormwater runoff into sanitary and storm sewers. This would apply to programs such as (but not limited to) MCES-managed water efficiency grants, turfgrass irrigation research and outreach, stormwater reuse and Inflow/Infiltration.	<b>Influence</b>		X					ES	Short (1 year)	Fully Staffed	Funded	
Advance regional climate adaptation efforts through collaboration with regional partners	Incorporate climate connections into local water resources plan review and grant programs	30	Develop and integrate climate considerations in evaluation criteria for MCES managed funding and grant programs (e.g. Inflow/Infiltration, Water Efficiency Grant Program, etc.)	<b>Influence</b>		X					ES	Short (1 year)	Fully Staffed	Funded	
Advance regional climate adaptation efforts through collaboration with regional partners	Incorporate climate connections into local water resources plan review and grant programs	31	Develop checklist of climate considerations to address when conducting agency review of county groundwater plans, watershed management plans, local surface water, water supply, and local sewer management plans, comprehensive plans and amendments, and environmental reviews.	<b>Influence</b>	X	X					ES	Short (1 year)	Fully Staffed	Funded	
Advance regional climate adaptation efforts through collaboration with regional partners	Incorporate climate connections into local water resources plan review and grant programs	32	Provide funding and technical assistance to establish green infrastructure and other nature-based adaptation in urban areas to control flooding, reduce urban heat, improve water quality, and restore lost habitat.	<b>Influence</b>		X					ES	Long (3-5 years)	Needs additional staff	Unfunded	
Advance regional climate adaptation efforts through collaboration with regional partners	Promote climate connections into local water resources planning and strategies	33	Evaluate and encourage water and wastewater reuse where feasible to extend the life of extracted groundwater and sustain aquifers.	<b>Influence</b>		X					ES				
Advance regional climate adaptation efforts through collaboration with regional partners	Promote climate connections into local water resources planning and strategies	34	Assist local government units with identifying and prioritizing locations for water storage in excess of current requirements to proactively provide additional storage in advance of climate change.	<b>Advise</b>		X					ES	Medium (1-3 years)	Needs additional staff	Unfunded	
Advance regional climate adaptation efforts through collaboration with regional partners	Develop and expand regional funding mechanisms for local climate infrastructure	35	Fund local risk assessments to determine climate vulnerability of drinking water supplies and source protection	<b>Influence</b>		X					ES	Medium (1-3 years)	Fully Staffed	Funded	
Advance regional climate adaptation efforts through collaboration with regional partners	Develop and expand regional funding mechanisms for local climate infrastructure	36	Convene partner agencies to develop a recurring fund for stormwater, water quality, water quantity resiliency projects, and green infrastructure, within metro watersheds, cities, or townships.	<b>Convene</b>		X					ES	Medium (1-3 years)	Not staffed	Unfunded	
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Identify opportunities to install and maintain sustainable landscapes on Council property	37	Promote 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	<b>Implement</b>		X	X				ES	Medium (1-3 years)	Needs additional staff	Needs additional funding	1
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Identify opportunities to install and maintain sustainable landscapes on Council property	38	Convene cross-division workgroup on sustainable landscape practices to share lessons learned and expand green infrastructure and natural stormwater management at Council facilities.	<b>Convene</b>		X	X		X		ES	Medium (1-3 years)	Fully Staffed	Funded	1
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Identify opportunities to install and maintain sustainable landscapes on Council property	39	Conduct existing condition assessment of Council-owned properties to identify priority locations for protection, enhancement, and restoration of climate resilient landscapes	<b>Implement</b>		X	X				ES	Long (3-5 years)	Needs additional staff	Needs additional funding	
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	40	Review, identify gaps, and develop climate vulnerability assessment tools in conjunction with facility resiliency guidelines and emergency preparedness plans to support overall operational resiliency. This will enable a more strategic approach to ensure Council operations and services continue to function throughout a changing climate as well as events that stress the region's day to day vitality in whole or in part.	<b>Implement</b>		X	X				ES	Medium (1-3 years)	Not staffed	Unfunded	

Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	41	Evaluate impacts of climate change on Inflow and Infiltration and develop recommendations to enhance I&I efforts accordingly.	Implement		X	X			ES		Needs additional staff	Unfunded	
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	42	Participate in state-led efforts to update floodplain management rules for critical facilities	Implement		X				ES		Fully Staffed	Funded	
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Adopt a holistic approach to energy management	43	Designate an Energy Manager within Environmental Services and Metro Transit charged with planning and leading implementation of continual improvements in the measurement, management, and efficiency of energy use and other energy management initiatives.	Implement		X	X		X	ES + MT	Short (1 year)	Needs additional staff	Needs additional funding	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Maximize energy & resource recovery opportunities	44	Continue pursuit of energy and resource recovery from biosolids management – anticipated project 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	Implement		X				ES				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Maximize energy & resource recovery opportunities	45	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 co-digestion, and other biogas production optimization measures. Develop biogas optimization goals.	Implement		X				ES				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Account and disclose GHG emissions	46	Incorporate the GHG impacts and benefits of MCES biosolids management and beneficial ash reuse practices in life-cycle and annual GHG reporting.	Implement		X				ES				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective purchase and generation of renewable energy	47	Evaluate the opportunities and constraints of various mechanisms (e.g. virtual power purchase agreements, utility-offered green power tariffs, etc.) to achieve 100% renewable energy purchases - both thermal and electric.	Implement		X	X			ES + MT	Short (1 year)	Needs additional staff	Needs additional funding	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective purchase and generation of renewable energy	48	Develop a renewable implementation program that does the following: * Create and maintain inventory of Council-owned properties suitable for potential solar photovoltaic development * Establish design and evaluation criteria for inclusion of on-site solar in major projects.	Implement	X	X	X		X	ES	Medium (1-3 years)			
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Adopt a holistic approach to energy management	49	Improve business processes to better document and validate benefits from implementation of energy efficiency measures.	Implement		X	X		X	ES + MT	Short (1 year)			
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Account and disclose GHG emissions	50	For capital projects with identified energy impacts, prepare life-cycle carbon alternatives analyses and present results with and without accounting for a social cost of greenhouse gases.	Implement		X	X			ES + MT				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	51	Accelerate process of retrofitting lighting systems to LEDs with goal of 95% retrofit completion in 5 years.	Implement		X	X			ES + MT	Long (3-5 years)	Not staffed	Needs additional funding	1

Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	52	Identify and inventory opportunities in building energy systems to reduce or eliminate consumption of fossil fuel-based natural gas through efficiency improvements or electrification.	<b>Implement</b>		X	X			MT	Short (1 year)	Needs additional staff	Needs additional funding	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	53	Identify mechanisms to overcome barriers energy efficiency financing.	<b>Implement</b>		X	X			ES				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Investigate opportunities to mitigate high GWP GHGs	54	Develop and implement a research and monitoring strategy to better quantify wastewater process emissions to inform the evaluation of emissions reductions potential from these sources.	<b>Implement</b>		X				ES				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Investigate opportunities to mitigate high GWP GHGs	55	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	<b>Implement</b>		X	X			ES	Medium (1-3 years)	Needs additional staff	Unfunded	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Account and disclose GHG emissions	56	Publish annual inventory of GHG emissions related to the Council's operations that reflects current best practice in GHG accounting and include direct (i.e., fossil fuel combustion, process emissions, etc.) and indirect (i.e., emissions from energy purchases, solids waste management, embodied emissions in supply chain etc.).	<b>Implement</b>		X	X			ES + MT	Short (1 year)	Fully Staffed	Needs additional funding	1
Climate equity	Adopt EJ framework	57	Develop a water equity statement and apply to Council programs	<b>Implement</b>		X				ES	Short (1 year)	Fully Staffed	Funded	
Climate equity	Adopt EJ framework	58	Evaluate effects of warming temperatures on process odors and their impacts on communities adjacent to wastewater infrastructure.	<b>Implement</b>		X				ES				
Advance regional climate adaptation efforts through collaboration with regional partners	Guide local governments and agencies through incorporating climate mitigation into their transportation planning	59	Convene the climate discussion reflecting Climate Action Work Plan and reflect results in the 2050 TPP.	<b>Convene</b>			X	X		MTS	Medium (1-3 years)	Fully Staffed	Funded	1
Advance regional climate adaptation efforts through collaboration with regional partners	Guide local governments and agencies through incorporating climate mitigation into their transportation planning	60	Work with Transportation Advisory Board and its subcommittees to ensure that climate is appropriately emphasized in future regional solicitation performance measures relative to other policy priority areas.	<b>Convene</b>				X		MTS	Short (1 year)	Fully Staffed	Funded	1
Support and collaborate with regional partners to accelerate regional emissions reductions	Promote low-carbon forms of transportation	61	Consider regional Vehicle Miles Traveled reduction goals and develop policies and strategies for the 2050 TPP (MnDOT is adopting a statewide goal).	<b>Convene</b>				X		MTS	Medium (1-3 years)	Not staffed	Funded	2
Support and collaborate with regional partners to accelerate regional emissions reductions	Expand regional EV infrastructure and use	62	Connect cities and counties to state, federal and utility funding for public charging stations through online information, newsletters and individual engagement.	<b>Advise</b>				X		MTS	Medium (1-3 years)	Needs additional staff	Funded	2
Support and collaborate with regional partners to accelerate regional emissions reductions	Expand regional EV infrastructure and use	63	Develop prioritization criteria and measures and supporting data sets for where and what type of public charging is needed in the region.	<b>Convene</b>				X		MTS	Short (1 year)	Fully Staffed	Funded	1
Support and collaborate with regional partners to accelerate regional emissions reductions	Expand regional EV infrastructure and use	64	Develop a strategy to support the development and implementation of a public engagement plan around electric vehicles	<b>Advise</b>				X		MTS	Medium (1-3 years)	Needs additional staff	Needs additional funding	2

Advance regional climate adaptation efforts through collaboration with regional partners	Guide local governments and agencies through incorporating climate mitigation into their transportation planning	65	Convene discussions with local governments on a process to complete a climate risk assessment of regional highway, transit, bicycle, and pedestrian systems (including the impacts of flooding, added maintenance costs due to freeze thaw cycles, and impacts of extreme heat on infrastructure).	<b>Convene</b>	X		X	X			CD	Medium (1-3 years)	Needs additional staff	Funded	2
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	66	Evaluate where appropriate and implement energy resilient or redundant solutions for facilities, which may include secondary power feeds, generators, or energy storage.	<b>Implement</b>			X				MT	Medium (1-3 years)	Fully Staffed	Needs additional funding	3
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	67	Inform roadway partners (cities, counties, MNDOT) and Metro Transit new starts staff that we have tools related to roadway flooding that may affect transit service.	<b>Convene</b>	X		X	X			CD	Medium (1-3 years)	Fully Staffed	Funded	2
Advance regional climate adaptation efforts through collaboration with regional partners	Develop and expand regional funding mechanisms for local climate infrastructure	68	Develop and expand regional funding mechanisms for local climate infrastructure	<b>Influence</b>	X		X				CD	Medium (1-3 years)	Needs additional staff	Funded	3
Support and collaborate with regional partners to accelerate regional emissions reductions	Promote low-carbon forms of transportation	69	Continue to fund and promote incentives and programs to increase ridership and limit VMTs for single occupancy vehicles.	<b>Influence</b>			X	X			MT	Ongoing	Fully Staffed	Funded	2
Support and collaborate with regional partners to accelerate regional emissions reductions	Promote low-carbon forms of transportation	70	Seek out opportunities and strategies to enhance multimodal connections through facility and service improvements, not limited to but including first mile/last mile, etc. Measure progress by benchmarking against peer agencies.	<b>Influence</b>			X				MT	Ongoing	Fully Staffed	Funded	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Transition the Met Council fleets to electric and alternative fuel vehicles	71	Continue to implement the Metro Transit Zero Emission Bus Transition Plan.	<b>Implement</b>			X				MT	Ongoing	Needs additional staff	Needs additional funding	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Transition the Met Council fleets to electric and alternative fuel vehicles	72	Develop a Zero Emission Bus Transition Plan for Metro Mobility, Transit Link and Metro Vanpool services, including evaluation of electric vehicle charging and alternative fuel sources at private and regional provider garage facilities.	<b>Implement</b>				X			MTS	Short (1 year)	Fully Staffed	Funded	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Adopt a holistic approach to energy management	73	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 identification of energy savings potential.	<b>Implement</b>	X	X	X	X	X		MT	Short (1 year)	Fully Staffed	Funded	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Adopt a holistic approach to energy management	74	Establish cross-divisional workgroup on energy management to encourage peer-to-peer learning in the identification and implementation of energy efficiency and renewable energy opportunities.	<b>Implement</b>	X	X	X	X	X		ES + MT	Short (1 year)	Needs additional staff	Needs additional funding	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	75	Develop division-level inventories of energy efficiency savings opportunities and implementation priorities. Energy savings opportunities to be identified by performing building system energy audits, HVAC retro-commissioning and process efficiency studies. Integrate such evaluations with other facility-planning, asset management, and condition assessment activities.	<b>Implement</b>	X	X	X		X		MT	Short (1 year)	Needs additional staff	Needs additional funding	1
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	76	Consider controllers with build in continuous commissioning & analytics in specifications. Initiate pilot project using best practice technologies- 5-15K sq. ft. with focused energy & IAQ tracking to prove results.	<b>Implement</b>		X	X				ES + MT				
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Maximize energy & resource recovery opportunities	77	Conduct feasibility report to document opportunities and constraints of on-site and off-site projects to extract and use embodied thermal energy in wastewater flowing through conveyance system and in wastewater influent and effluent.	<b>Implement</b>		X					ES	Long (3-5 years)	Not staffed	Unfunded	

Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Transition the Met Council fleets to electric and alternative fuel vehicles	78	Develop a non-revenue fleet vehicle and off-road equipment electrification transition and fuel economy improvement plan that prioritizes opportunities with the greatest potential for GHG reductions.	<b>Implement</b>	X	X	X		X	MT	Medium (1-3 years)	Needs additional staff	Needs additional funding	2
Advance regional climate adaptation efforts through collaboration with regional partners	Expand climate engagement and collaboration between regional stakeholders	79	Facilitate conversations with cities, counties, MnDOT, MPCA, and others around roles and responsibilities in coordinating climate work including exploring the undertaking of a regional Transportation Climate Action Plan.	<b>Convene</b>	X	X	X	X	X	MTS	Long (3-5 years)	Needs additional staff	Unfunded	3
Reduce risks and impacts of climate change hazards to existing and new Council facilities	Incorporate adaptation measures into facility and services planning, design, operations, and maintenance	80	In the potential purchase of homes for the Metro HRA's Family Affordable Housing Program (FAHP) or when procuring contracts for home retrofits, consider climate hazards and the necessary adaptation measures.	<b>Implement</b>	X					CD	Medium (1-3 years)	Needs additional staff	Needs additional funding	2
Accelerate emissions reductions from Council operations with the long-term goal of achieving carbon-neutrality	Pursue cost-effective and prudent energy-efficiency and electrification opportunities in building and process systems	81	Evaluate energy efficiency strategies for leased MTS Contracted Services facilities.	<b>Implement</b>				X		MTS	Medium (1-3 years)	Fully Staffed	Funded	2