Agenda
Energy and Environment Commission
City Of Edina, Minnesota
Public Works - Multi-purpose Room
Meeting will take place in person. Masks are optional.
Thursday, May 12, 2022
7:00 PM

I. Call To Order

II. Roll Call

III. Approval Of Meeting Agenda

IV. Approval Of Meeting Minutes

A. Minutes: Energy and Environment Commission April 14, 2022

V. Community Comment

During "Community Comment," the Board/Commission will invite residents to share relevant issues or concerns. Individuals must limit their comments to three minutes. The Chair may limit the number of speakers on the same issue in the interest of time and topic. Generally speaking, items that are elsewhere on tonight's agenda may not be addressed during Community Comment. Individuals should not expect the Chair or Board/Commission Members to respond to their comments tonight. Instead, the Board/Commission might refer the matter to staff for consideration at a future meeting.

VI. Reports/Recommendations

A. 2022 WP #1: Support Natural Habitat

B. 2022 WP #4: EEC tabling at events

C. 2022 WP #6: Cities Networking Events

D. Comment on 2023 Commission Climate Action Menu

E. Monthly call for communication requests

VII. Chair And Member Comments

VIII. Staff Comments

IX. Adjournment

The City of Edina wants all residents to be comfortable being part of the public process. If you need assistance in the way of hearing amplification, an interpreter, large-print documents or something else, please call 952-927-8861 72 hours in advance of the meeting.

CITY OF EDINA

4801 West 50th Street
Edina, MN 55424
www.edinamn.gov

Date: May 12, 2022

Agenda Item #: IV.A.

To: Energy and Environment Commission

Item Type: Minutes

From: Grace Hancock, Sustainability Manager

Item Activity: Action

Subject: Minutes: Energy and Environment Commission April 14, 2022

ACTION REQUESTED:
Approve EEC meeting minutes, April 14, 2022.

INTRODUCTION:

ATTACHMENTS:

EEC Minutes April 14, 2022

Agenda
Energy and Environment Commission
City Of Edina, Minnesota
Public Works - Multi-purpose Room
Meeting will take place in person. Masks are requested.
Thursday, April 14, 2022
7:00 PM

I. Call To Order

- Chair Martinez called the meeting to order at 7:02pm.

II. Roll Call

Answering roll call were Chair Martinez, Commissioners Haugen, Hovanec, Lanzas, Lukens, Schima, and Student Commissioners Rawat and Shumway.

Absent: Vice Chair Horan, Commissioners Dakane and Tessman

III. Approval Of Meeting Agenda

Motion by Bayardo Lanzas to Approve Meeting Agenda. Seconded by Hilda Martinez Salgado. Motion Carried.

IV. Approval Of Meeting Minutes

A. Minutes: Energy and Environment Commission March 10, 2022

Motion by Cory Lukens to Approve March 10 Meeting Minutes. Seconded by John Haugen. Motion Carried.

V. Special Recognitions And Presentations

A. Presentation: City of Edina Public Works

- City of Edina Public Works Director and Streets Supervisor joined the Commission to present information and updates related to the City's street sweeping and snow removal strategies. Director Olson and Supervisor Anderson then took the EEC and one community member attendee to tour the Public Works garage and see equipment related to these activities.

VI. Community Comment

During "Community Comment," the Board/Commission will invite residents to share relevant issues or concerns. Individuals must limit their comments to three minutes. The Chair may limit the number of speakers on the same issue in the interest of time and topic. Generally speaking, items that are elsewhere on tonight's agenda may not be addressed during Community Comment. Individuals should not expect the Chair or Board/Commission Members to respond to their comments tonight. Instead, the Board/Commission might refer the matter to staff for consideration at a future meeting.

VII. Reports/Recommendations

A. 2022 WP #1: Support Natural Habitat

- Commissioner Haugen updated the Commission on work related to Initiative #1, which is ongoing.

B. 2022 WP #2: Green Business Recognition Program

- Commissioner Lukens updated the Commission on Initiative #2, which is ongoing.

C. Advisory Communication: Climate Action Funding

- Chair Martinez presented an Advisory Communication for EEC approval to submit to City Council. The Advisory Communication is titled "Funding Request to State Legislature for Climate Action."

Motion by John Haugen to Approve Advisory Communication. Seconded by Bayardo Lanzas. Motion Carried.

D. Monthly call for communication requests

- Staff Liaison Hancock called for any communication requests from the EEC pertaining to their work plan initiatives. None were received.

VIII. Chair And Member Comments

- Chair Martinez invited all Members to make comments around the room.

IX. Staff Comments

X. Adjournment

- The EEC meeting was adjourned at 9pm.

Motion by Stephen Schima to Adjourn. Seconded by Bayardo Lanzas. Motion Carried.

The City of Edina wants all residents to be comfortable being part of the public process. If you need assistance in the way of hearing amplification, an interpreter, large-print documents or something else, please call 952-927-8861 72 hours in advance of the meeting.

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Date: May 12, 2022

Agenda Item #: VI.A.

To: Energy and Environment Commission

Item Type:
Report and Recommendation

From: Grace Hancock, Sustainability Manager

Item Activity:
Information

Subject: 2022 WP #1: Support Natural Habitat

ACTION REQUESTED:
Receive updates and/or action requests.

INTRODUCTION:
Initiative
Support new ordinance development or the modification of current ones to protect tree canopy and explore the benefit from initiatives like No Mow May that can help expand the green ground coverage on the City.

Deliverable
Review and recommend to Council on trees, greenspace, pollinators, and more sustainable private lawn management such as water sensor on lawn irrigation systems, bee lawns, pollinator friendly gardens, fall/spring cleanup practices.

ATTACHMENTS:

2022 EEC Work Plan

Commission: Energy and Environment Commission
2022 Annual Work Plan Proposal

Initiative # 1	**Initiative Type** ☒ **Project** ☐ **Ongoing / Annual** ☐ **Event** **Council Charge** ☐ **1** (Study & Report) ☐ **2** (Review & Comment) ☒ **3** (Review & Recommend) ☐ **4** (Review & Decide)		
Support Natural Habitat (Greenspace and Trees) Support new ordinance development or the modification of current ones to protect tree canopy and explore the benefit from initiatives like No Mow May that can help expand the green ground coverage on the City. Relates to CAP items GC1-4 & GC2-2	**Deliverable** Review and recommend to Council on trees, greenspace, pollinators, and more sustainable private lawn management such as water sensor on lawn irrigation systems, bee lawns, pollinator friendly gardens, fall/spring cleanup practices.	**Leads:** Hilda Martinez **Support:** Michelle Horan (pollinators/lawn), Teri Hovanec, Tom Tessman and John Haugen (Trees), Ava Shumway & Suryash Rawat (either)	**Target Completion Date: Q4**
Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.			
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support? *Consultation with City Forester.*			
Progress Q1:			
Progress Q2:			
Progress Q3:			
Progress Q4:			

Initiative # 2	Initiative Type ☐ Project ☒ Ongoing / Annual ☐ Event Council Charge ☐ 1 (Study & Report) ☐ 2 (Review & Comment) ☐ 3 (Review & Recommend) ☒ 4 (Review & Decide)		
Green Business Recognition Program - Strengthen and bring more business to the Green Business Recognition Program (promotion, outreach, etc.)	**Deliverable:** double the number of businesses participating in Green Business Recognition program	**Leads:** Michelle Horan **Support:** Cory Lukens, Teri Hovanec, Ukasha Dakane	**Target Completion Date: Q4**
Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.			
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support?			
Progress Q1:			
Progress Q2:			
Progress Q3:			
Progress Q4:			

Initiative # 3	Initiative Type ☒ Project ☐ Ongoing / Annual ☐ Event Council Charge ☐ 1 (Study & Report) ☒ 2 (Review & Comment) ☐ 3 (Review & Recommend) ☐ 4 (Review & Decide)		
Review and comment on recycling and organic multi-family building program.	**Deliverable:** Comment on developed program	**Leads:** Hilda Martinez & Teri Hovanec **Support:** Bayardo Lanzas	**Target Completion Date: Q4**

Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support? *Partner with Organics Recycling Coordinator*
Progress Q1:
Progress Q2:
Progress Q3:
Progress Q4:

Initiative # 4	**Initiative Type** ☐ **Project** ☒ **Ongoing / Annual** ☒ **Event** **Council Charge** ☐ **1** (Study & Report) ☐ **2** (Review & Comment) ☐ **3** (Review & Recommend) ☒ **4** (Review & Decide)		
Coordinate and table at City events to educate the community on initiatives by the EEC.	**Deliverable** -Presence at up to 4 City events to include Fourth of July, Open Streets, Arts Fair, and/or Farmers Market. Each EEC member commits to volunteering at least once.	**Leads:** Bayardo Lanzas **Support:** Hilda Martinez, Suryash Rawat	**Target Completion Date: Q4**
Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.			
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support?			
Progress Q1:			
Progress Q2:			

Progress Q3:
Progress Q4:

Initiative # 5	**Initiative Type** ☒ **Project** ☐ **Ongoing / Annual** ☐ **Event** **Council Charge** ☐ **1** (Study & Report) ☐ **2** (Review & Comment) ☒ **3** (Review & Recommend) ☐ **4** (Review & Decide)		
Initiative Title: Plastic Bag Policy - Revise and update 2017 report on possible recommendations for a plastic bag ordinance.	**Deliverable:** updated report with recommendation.	**Leads:** Michelle Horan **Support:** Cory Lukens, Tom Tessman, Ava Shumway, Ukasha Dakane, Stephen Schima	**Target Completion Date: Q4**
Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.			
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support?			
Progress Q1:			
Progress Q2:			
Progress Q3:			
Progress Q4:			

Initiative # 6	**Initiative Type** ☐ **Project** ☐ **Ongoing / Annual** ☒ **Event** **Council Charge** ☐ **1** (Study & Report) ☐ **2** (Review & Comment) ☐ **3** (Review & Recommend) ☒ **4** (Review & Decide)		
Host 1-2 networking meetings with metro cities environmental commissions	**Deliverable:** 1-2 meetings	**Leads:** Cory Lukens **Support:** John Haugen, Tom Tessman, Suryash Rawat	**Target Completion Date: Q4**
Budget Required: (Completed by staff) Are there funds available for this project? If there are not funds available, explain the impact of Council approving this initiative.			
Staff Support Required (Completed by staff): How many hours of support by the staff liaison? Communications / marketing support?			
Progress Q1:			
Progress Q2:			
Progress Q3:			
Progress Q4:			

Parking Lot: (These items have been considered by the BC, but not proposed as part of this year's work plan. If the BC decides they would like to work on them in the current year, it would need to be approved by Council.)
St. Louis Park inspired Rainwater Rewards Program

Approved by City Council December 7, 2021

CITY OF EDINA

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Date: May 12, 2022

Agenda Item #: VI.B.

To: Energy and Environment Commission

Item Type:
Report and Recommendation

From: Grace Hancock, Sustainability Manager

Item Activity:
Discussion

Subject: 2022 WP #4: EEC tabling at events

ACTION REQUESTED:
Receive update on initiative #4 related to summer Farmers Market tabling. Decide whether to participate in July 4 parade.

Manager Hancock will email sign-up link for volunteer shifts.

INTRODUCTION:
WP #4: Coordinate and table at City events to educate the community on initiatives by the EEC.

Deliverable: -Presence at up to 4 City events to include Fourth of July, Open Streets, Arts Fair, and/or Farmers Market. Each EEC member commits to volunteering at least once.

CITY OF EDINA

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Date: May 12, 2022

Agenda Item #: VI.C.

To: Energy and Environment Commission

Item Type: Other

From: Grace Hancock, Sustainability Manager

Item Activity: Information

Subject: 2022 WP #6: Cities Networking Events

ACTION REQUESTED:
Receive updates and/or actions.

INTRODUCTION:
Initiative
Host 1-2 networking meetings with metro cities environmental commissions

Deliverable
1-2 meetings

CITY OF EDINA

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Date: May 12, 2022

Agenda Item #: VI.D.

To: Energy and Environment Commission

Item Type:
Report and Recommendation

From: Grace Hancock, Sustainability Manager

Item Activity:
Action

Subject: Comment on 2023 Commission Climate Action Menu

ACTION REQUESTED:
Provide comment on Commission Climate Action Menu, to inform 2023 and beyond City Board and Commission work plans.

EEC members should comment whether they think an action should be added or removed. The full list of climate actions can be found here: https://www.edinamn.gov/1779/Climate-Action by selecting the PDF titled "Climate Actions and Implementation" or as a PDF attached to this item.

INTRODUCTION:
Staff will recommend to Council that every commission include a climate action on their 2023 and beyond work plans. Commissions will choose from a menu of actions to fulfill this request. The menu was initially developed by Manager Hancock, and received comment from other staff liaisons. EEC comments on the list, and the final will be distributed to commissions via liaisons at June commission meetings.

ATTACHMENTS:

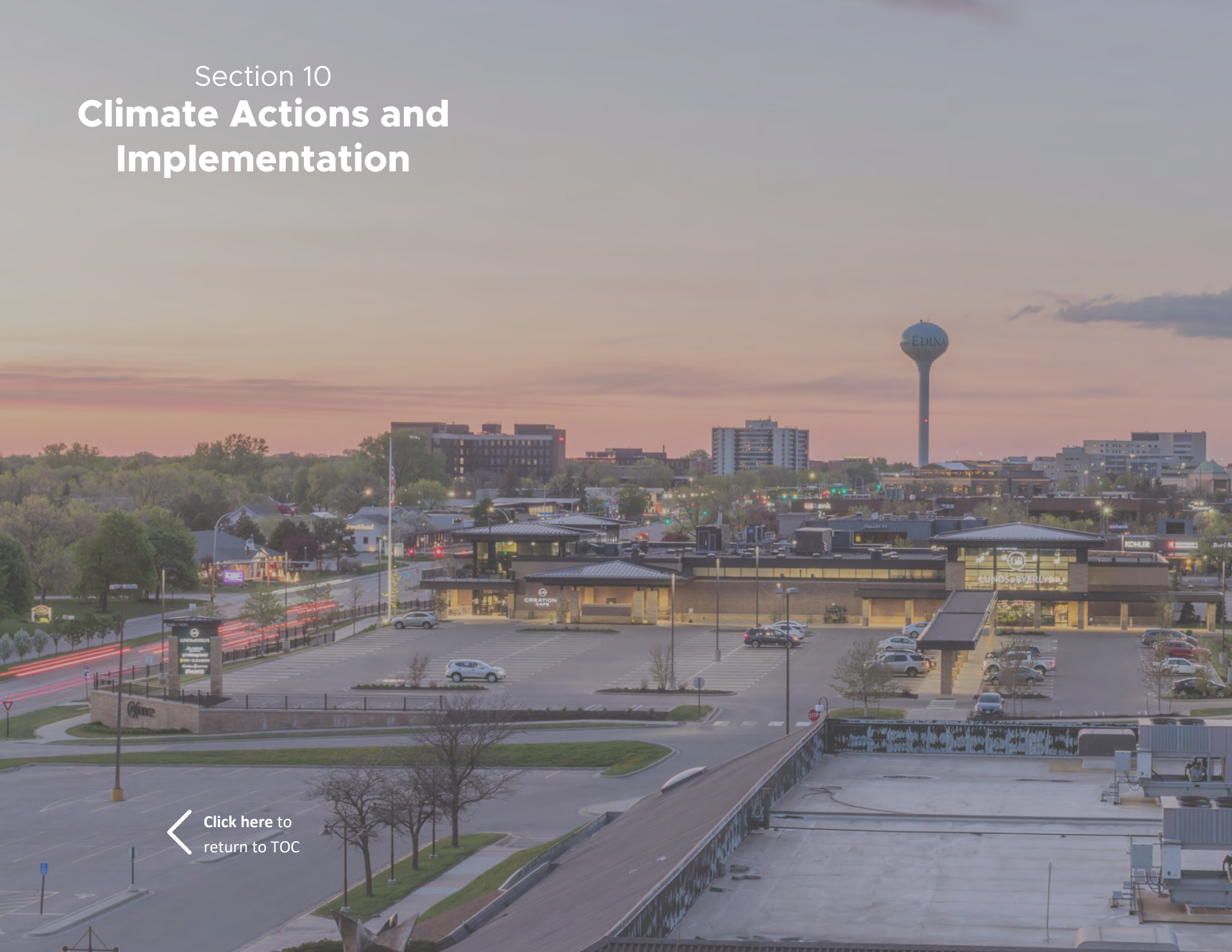
2023 Commission Climate Action Menu

Full List of Climate Actions

Strategy	Action
Buildings & Energy 1-5	Partner with local organizations and businesses to educate the public and promote the adoption of energy efficiency habits like purchasing high-efficiency equipment, turning the lights off in unused spaces and at night, having efficient indoor temperature control, and promote home energy audits among their staff and students.
BE 1-7	Create a welcome packet for new businesses and residents, which will provide information on all the energy efficiency improvement resources and opportunities.
BE 1-13	Establish a performance ratings/labeling program for all homes listed for sale or rent so that owners, tenants and prospective buyers can make informed decisions about energy costs and carbon emissions. Rating program to require Energy Audit/Energy Efficiency Program participation.
BE 4-2	Partner with institutions and businesses within Edina to secure commitments to reduce operational greenhouse gas emissions in line with the goals of this Climate Action Plan, achieving carbon neutrality by 2050.
BE 4-5	Create an educational program to inform residential and commercial properties about renewable energy opportunities including technologies that eliminate on-site fossil fuel use.
BE 5-2	Identify the "Solar Top 100" commercial/industrial properties within the city and produce detailed solar feasibility assessments for each site. Assessments to include potential solar generation and economic performance and return on investment estimates, information on financing and ownership models, and next step resources. Provide solar assessment reports to properties and conduct an informational workshop to assist building owners and businesses in understanding the assessments and next step potential. "Solar Top 100" assessment effort could be repeated annually, particularly through 2025
Economic Development CE 1-4	Promote Edina as an environmentally friendly destination by highlighting the businesses that are taking steps to reduce resource consumption (Green Business Recognition program).
Greenspace GS 1-4	Update City's Landscape ordinance to include a minimum tree coverage per lawn area or per impervious surface coverage for all new construction or expansion projects. Explore options for decrease of turf grass/lawn coverage and increase of wildflower/prairie grass coverage requirements.
GS 1-7	Prioritize planting and preservation of native species of plants and trees and species of plants and trees adaptive to climate change on public and private property through education, incentives and other promotional programs. Ensure that landscaping requirements articulated in the zoning code include the preservation of the maximum possible number of existing trees, the use of native plantings and the preservation of natural areas whenever possible.
GS 2-2	Remove and ease lawn/grass requirements in ordinances.
GS 2-6	Establish a policy to require the use of native plants in landscaping at City-owned properties. Continue natural vegetation conversion for passive park areas. Add 110 Acres of native plant and pollinator restoration area on City Property by 2040.
GS 2-7	Establish a policy and Identify, create, and promote incentives to assist homeowners and households with low incomes by covering some of the cost of converting traditional lawns by planting pollinator friendly food gardens, permaculture, wildflowers, clover or native grasses in an effort to slow the collapse of the state's bee population.
GS 2-8	Develop educational and informational resources providing information on benefits of and strategies for reduced and repurposed lawn space including: native plantings, "carbon gardening" strategies for ornamental gardens, and produce gardens, tree profile rebuilding, elimination of synthetic fertilizer and pesticide use, high mow deck settings, use of biochar amendments, polyculture lawn mixture and other beneficial greenspace practices included in this CAP.
Environmental H	Add climate preparedness elements to public health programs already aimed at vulnerable populations and low-income households and dedicate increased funding to accommodate demand for public health services among at-risk populations.
HS 4-3	Support, leverage create relationships with, and enhance community networks and connections for those who require special attention, such as people who are elderly, homebound, disabled, isolated, or those likely to be in need of financial assistance during or after extreme weather events (heat, cold and heavy precipitation).
Local Food LF 1-2	Support existing school and community gardens and provide opportunities to expand community growing spaces with a focus on locating garden infrastructure to serve youth, immigrant, and people with lower incomes or who are experiencing food insecurity. Community growing and garden spaces may include use of park space, unused city owned space, or public right of way/boulevard areas. Program should prioritize conversion of impervious spaces to garden space and preservation/increase of overall green space benefit. Provide on-going promotion, communication, and education of the sites and opportunities including appropriate translated and accessible content.
LF 1-4	Incentivize and reward soil best management practice for urban lawns, gardens, landscaping, parks, open spaces, prairies, environmentally sensitive areas, and agricultural land uses.
LF 4-2	Establish an Green Business Refrigeration upgrade cost sharing incentive program providing a 25% matching grant for qualified buildings and applicants to switch to green refrigeration practices.
Transportation & Land Use TL 3-2	Eliminate parking minimums to reduce surface parking and institute new parking pricing models to maintain 85% utilization (performance-based parking, off-street parking tax, dynamic pricing, etc.)
TL 3-7	Allow and encourage the construction of accessory dwelling units ("ADU") to increase rental opportunities in both established neighborhoods and new development. This will add additional housing options for the City's workforce, seniors, families with changing needs, and others for whom ADUs present an affordable housing option.
TL 4-5	Develop incentive and educational programs to transition lawn care companies and homeowners from using fuel-burning lawn equipment (e.g., lawn mowers, blowers) to electric.
TL 1-5	Establish a branded communications campaign to promote increased alternative transportation use, with a particular focus on short distance trips (ie <2 miles) including school and other daily commutes.
Waste WM 1-2	Support collaborative consumption community projects, such as neighborhood compost projects, tool libraries, and repair cafes through mini-grant programs.
WM 2-3	Conduct an organics waste collection pilot project with a sample of City businesses to test the interest, methodology, and amount of commercial food waste that would need to be accommodated by a commercial organics collection program. Explore possible incentives for food retailers, restaurants, and institutions to participate in food waste reuse and recycling programs.
WM 3-2	Explore a requirement that all waste be recycled or salvaged at large construction sites.
WM 4-2	Promote and partner with existing waste audit or diversion assistance programs for businesses. Program to support businesses in establishing tracking and reporting waste streams, identify reduction, diversion, beneficial use opportunities, identification of potential financing sources, and connect businesses with energy audit and other resources in support of full CAP goals. Goal: 30 business waste audits completed annually with businesses engaged in measuring and diverting waste.
WM 4-5	Promote and partner to support a Fix It Fair at the Library and create a resource list for reuse.

Section 10

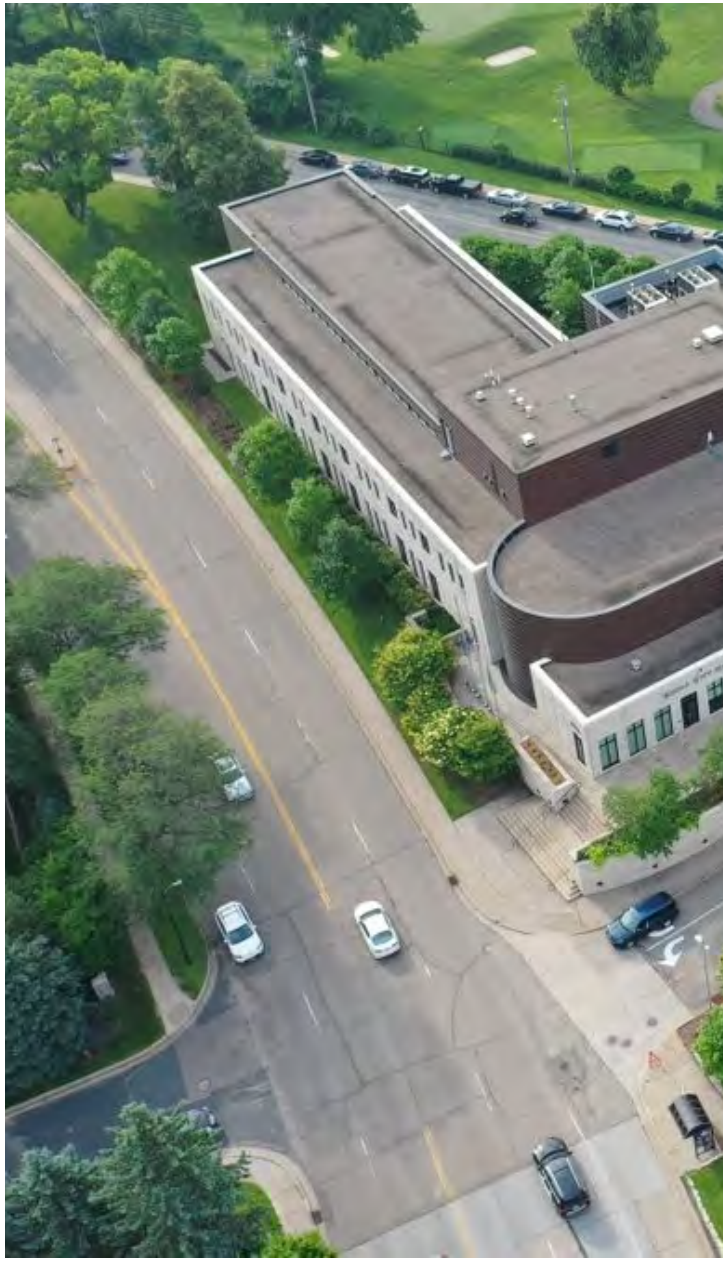
Climate Actions and Implementation



Click here to return to TOC

Climate Actions and Implementation

The first few years after plan adoption are critical to its success. Establishing roles, both internal and external, and identifying funding will help establish the implementation phase of the plan and ensure the community is on track to achieve its goals. This plan includes robust goals for significant GHG emission reductions and addressing climate resilience. This vision requires commitment and integration of the CAP into City operations, functions, and services. Ultimately, however, successful implementation of this Climate Action Plan will require the support and commitment of Edina residents and businesses.



Climate Action Implementation is a Journey

It is not possible to have all of the detailed answers on a decade's worth of actions at the beginning of the journey. The Climate Action Plan and its implementation are a journey. Although the actions outlined in the CAP are designed to demonstrate a pathway for Edina to achieve its climate goals, there is much uncertainty in predicting future technologies, costs, and regulations. For this reason, a full cost-benefit analysis of every action is not possible at this time.

We anticipate that refinement of detailed actions will occur while they are rolled out. Accordingly, actions are designed to provide guidance on intent but flexibility of details and design. Actions which may modify/create policy or ordinances or which may have City expenses incurred should be anticipated to go through the City Council process for approval.

Implementation is For Everyone

Implementation actions are detailed items that should be completed in order to carry out the vision and strategies identified in the plan. Some actions will need to be led by City Council, City departments, and/or the business community; and there are some things that households and individuals can do to make an impact. While many actions will require City Council to amend a policy there will be opportunities for businesses, organizations, households, and individuals to support the City Council policy changes and provide input on and feedback on those policies.

Ultimately, achieving the visionary energy efficiency, renewable energy, alternative transportation, and climate resilience goals outlined in this plan will require engagement and a sense of responsibility not only by the City of Edina leadership and government, but by the community itself as well. It is critical for all to remain engaged and active, advancing and advocating for actions you feel are important.

Climate Actions and Implementation

Implementation Plan

The following is a detailed list of Edina's proposed actions in support of each strategy outlined within each section. The implementation plan includes an indication of the following:

GHG Reduction Potential

This designation identifies the potential scale of greenhouse gas emissions reduction potential of the action (Note: GHG reduction potential is just one variable of benefit—actions with lower reduction benefit should not necessarily be considered as lower priority).

Some Reduction Potential:
Moderate Reduction Potential:
High Reduction Potential:

Resilience:

This designation identifies the potential scale or importance of the climate resilience support of the action (Note: resilience potential is just one variable of benefit—actions with lower resilience potential should not necessarily be considered as lower priority).

Some Resilience Support:
Moderate Resilience Support:
High Resilience Support:

Equity:

While it is important to view all actions through an equity lens, those actions with particular equity opportunities, concerns, or considerations are identified with the "Equity" designation:

Phase:

This designation identifies the anticipated general initiation timeframe of the action: phase 1 within 1-3 years, phase 2 within 2-5 years, and phase 3 within 3-7 years of CAP approval.

Implementation Support Tools

To support the City in its initial implementation phase, the paleBLUEdot team has created a number of tools including:

- Implementation and Monitoring Matrix
- Net Zero Energy Building Guide: https://palebluedot.llc/edina-net-zero-energy-guide
- Solar Ready Guide: https://palebluedot.llc/edina-solar-ready-guide
- Electric Vehicle (EV) Ready Guide: https://palebluedot.llc/edina-solar-ready-guide
- Example Climate Action Policies and Ordinances
  The paleBLUEdot team has assembled example policies and ordinances supporting some of the strategies and actions included in the Edina Climate Action Plan.
  The examples can be found on the following webpage:
  https://palebluedot.llc/edina-cap-policy-examples

This section includes foundational recommendations which apply to multiple Sectors. The following actions support the long-range implementation of the CAP including: Building Internal Capacity, External Support, and Funding.

Strate-Action	Action	GHG	Resilience	Equity	Phase	City Lead
	CC 1: Continue to Build Internal Capacity for Support of Climate Action Plan Implementation Continuing to build internal capacity will be important to help establish the CAP as a priority integral to internal operations as well as fostering connections to community partners, businesses, and individuals through outreach, education, special projects, and service delivery.					
CC 1-1	The City Manager will work with staff to develop a year 1 implementation plan that specifies a work sequence and timeline for implementation tasks, estimates necessary funding and staffing resources, and outlines an accountability process, to be presented to the Energy & Environment Commission for comment by the end of March 2022. Progress updates will be reported to the Edina Energy & Environment Commission and City Council on a semi-annual basis.				1	Administration
CC 1-2	Establish clear guidance and direction for the participation in and support of the CAP implementation actions by all City of Edina departments.				1	Administration
CC 1-3	Establish a City "CAP Team" comprised of staff representatives from all key City departments. The task of the CAP Team should be to meet regularly to support the initial and on-going prioritization and implementation of annual implementation actions and projects and to support reporting and progress updates.				1	Sustainability
CC 1-4	Establish and implement a policy to review existing and future City of Edina policy and ordinance changes as well as building and zoning variance requests against the goals, strategies, and actions of this Climate Action Plan to ensure alignment of changes with this plan.				1	Planning
CC 1-5	Fund and support sustainability staffing required to support the implementation of this Climate Action Plan (see Implementation Matrix for example staff needs).				1	Administration
CC 1-6	Review Climate Action Plan implementation progress and impacts on a regular basis (1-2 year cycle). Review should include development of an updated community wide and municipal operations GHG inventory. Strategies and actions should be reviewed for implementation progress and for continued appropriateness. Based on the review, adjust, add, and remove detailed CAP actions as appropriate.				1	Sustainability

GHG
Potential scale of greenhouse gas emissions reductions:
- Some GHG Reduction
- Moderate GHG Reduction
- High GHG Reduction

Resilience:
Potential scale or importance of the climate resilience support:
- Some Resilience Support
- Moderate Resilience Support
- High Resilience Support

Equity:
Those actions with particular equity opportunities, concerns, or considerations are identified under "Equity".

Phase:
Anticipated general initiation timeframe of the action:
1 (1-3 years)
2 (2-5 years)
3 (3-7 years)

Strate-Action	Action	GHG	Resilience	Equity	Phase	City Lead
	CC 2: Facilitate External Support Needed for Climate Action Plan Implementation City staff and elected officials will not be able to implement this plan without robust support from community members and coordination with jurisdictional, institutional, and organizational partners. Some best practices/recommendations/ideas are outlined below:					
CC 2-1	Establish the Energy and Environment Commission (EEC) as a primary community member body to support the implementation of the CAP. Commission's annual work plans should include support of the implementation of the Climate Action Plan; supporting City staff in any relevant departments; receiving updates on City CAP projects and progress; being provided with opportunity to comment on identification of annual CAP implementation priorities, projects, and budgets; and providing input on plan adjustments as needed.				1	City Council
CC 2-2	Establish a designated City Council representative and EEC representative participant in the City's internal CAP Team in support of CAP implementation.				1	City Council
CC 2-3	Establish a coordinated communication and education campaign supporting the communication and educational needs of each of the CAP sections. The campaign should also look to help community members: •Understand climate change in general, anticipated impacts, and the function and importance of implementing a Climate Action Plan. •Understand why change at the individual, community, City, and business level needs to occur, •The role of individuals, households, and businesses in making change •How to make those changes correctly, and •What the benefit/incentive to them might be; for example, articulating that switching to solar energy and or an electric bus fleet might help reduce bills				1	Communications & Information Technology
CC 2-4	Continue and expand sustained outreach and engagement efforts that seek to build and maintain direct relationship with under-resourced, traditionally marginalized, and climate vulnerable communities within Edina.				1	Sustainability
CC 2-5	Establish jurisdictional partnerships that advance CAP strategies to advance and accelerate action. This can include government entities like the Hennepin County, 9 Mile Creek Watershed District, the State of Minnesota; utilities like Xcel Energy; institutions like Edina Public Schools; Edina businesses, and community groups.				1	Sustainability

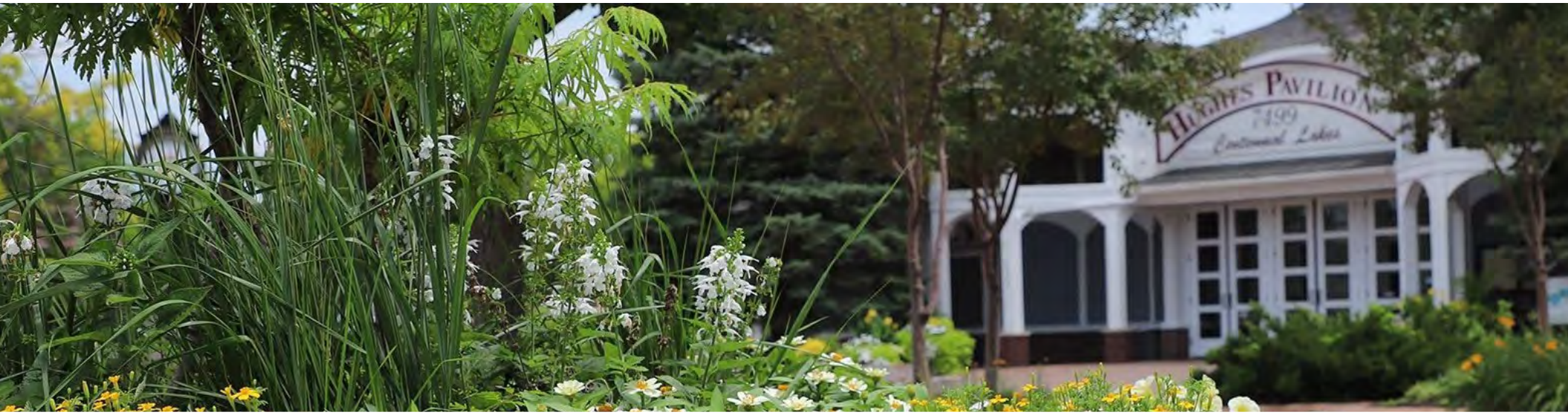
GHG
Potential scale of greenhouse gas emissions reductions:
- Some GHG Reduction
- Moderate GHG Reduction
- High GHG Reduction

Resilience:
Potential scale or importance of the climate resilience support:
- Some Resilience Support
- Moderate Resilience Support
- High Resilience Support

Equity:
Those actions with particular equity opportunities, concerns, or considerations are identified under "Equity".

Phase:
Anticipated general initiation timeframe of the action:
1 (1-3 years)
2 (2-5 years)
3 (3-7 years)

Strate-Action	Action	GHG	Resilience	Equity	Phase	City Lead
	CC 3: Maintain appropriate funding to support plan implementation Funding the implementation of the CAP will require reallocation/reconsideration of existing City funds, raising new City funds, and identifying outside resources and funding opportunities. Some funds will need to be dedicated toward long-term support like staffing, while other funding will be on a project-by-project basis. See also Strategy CE 4 in Climate Economy.					
CC 3-1	Maintain a budget and identify funding sources for staff dedicated to the implementation of the CAP.				1	Administration
CC 3-2	Identify a budget necessary to support projects on an annual basis as per the detailed actions outlined in the Climate Economy section of the plan and climate actions.				1	Administration
CC 3-3	Utilize no-cost technical assistance offerings as available.				1	Sustainability



GHG
Potential scale of greenhouse gas emissions reductions:

Some GHG Reduction
Moderate GHG Reduction
High GHG Reduction

Resilience:
Potential scale or importance of the climate resilience support:

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Phase:
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3 (3-7 years)

Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	TL 1: Decrease community wide VMT by 7% by 2030					
TL 1-1	Revise street design standards and prioritize funding to align with Vision Zero strategies to create safe streets for people walking, biking, micro-mobility options, and riding transit while also accommodating vehicles. Provide bicycle and pedestrian safety and skills training to all school-aged children in Edina with an accompanying program to educate parents and all interested adults.				1	Engineering (Transportation)
TL 1-2	Accelerate building on-street and off-street protected bike lanes, sidewalks, crosswalks, and other walking infrastructure in high-need areas and fill connectivity gaps as identified in the City's Bike and Pedestrian Master Plan.				1	Engineering (Transportation)
TL 1-3	Partner with institutions and businesses within Edina to secure commitments to implement transit demand management (TDM) strategies and practices to support the goals of this Climate Action Plan including increased utilization of public transit and alternative carbon free mobility, increased vehicle electrification, and decreased vehicle miles. Strategies to pursue include promoting and incentivizing public transit use, bicycle programs, shared van services for employees, facilitate carpooling, telecommuting options, parking buyback programs, and collaborating with Metro Transit to promote the Guaranteed Ride Home program.				1	Sustainability
TL 1-4	Review and recommend policies necessitating a TDM Plan and/or a transit component with all types of development and redevelopment. Review and implement substantive requirements associated with these TDM Plans to support the goals of this Climate Action Plan, potentially including TDM escrow accounts, transit passes, preferential parking for car-poolers, and other measures				2	Planning
TL 1-5	Establish a branded communications campaign to promote increased alternative transportation use, with a particular focus on short distance trips (ie <2 miles) including school and other daily commutes.				2	Communications & Information Technology
TL 1-6	Conduct Active Routes to Schools audits for all Edina elementary and middle schools to identify infrastructure improvements that would enhance pedestrian and bicycle safety and encourage trips to school on non-polluting modes of transportation. Establish timeline and plan for implementing all recommended improvements.				2	Engineering (Transportation)

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	TL 2: Double public transit commuter ridership from 3.3% to 6.6% by 2030					
TL 2-1	Advocate with Metro Transit to improve efficiency, convenience, frequency, and reliability of bus service as well as improved bus shelter infrastructure. Collaborate with Metro Transit and Hennepin County to improve public transit infrastructure including dedicated lanes, dedicated bus routes, and create high-frequency rapid transit in corridors to improve "time equity / parity" of the route transit time with what it would be to drive a car. Prioritization to be given on routes serving the city's employment centers and areas with higher shares of people with mobility challenges.				1	Engineering (Transportation)
TL 2-2	Preserve and enhance affordable housing, especially near bus service, to prevent displacement of vulnerable populations.				1	Affordable Housing
TL 2-3	Work with Metropolitan Council, Hennepin County, and other local governments to identify, and promote increased commuter and light rail train options capitalizing on existing infrastructure in the community and the Southwest Light Rail Transit line.				1	Sustainability
TL 2-4	Establish an ordinance limiting combustion engine idling. Support ordinance adherence through a public education and enforcement campaign.				1	Sustainability
TL 2-5	Work with Metropolitan Council and other local governments to: a) Establish a method for projecting the lifecycle carbon emissions of land use and transportation investments. Include consideration of embodied energy, operations and maintenance. b) Align regional mode share targets with carbon reduction targets and encourage the development of mode share targets specific to the varying community needs and transit infrastructure around the region.				2	Sustainability
TL 2-6	Explore options to secure funding and provide transit passes to all youth, households with low incomes, and individuals with restricted mobility.				3	Engineering (Transportation)

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	TL 3: Increase average population per developed acre by 4% by 2030					
TL 3-1	Continue to advocate for growth through appropriate increased density: a) Prioritize elements of the MPCA GreenStep Cities best practices that have the greatest potential for reducing carbon emissions. b) Give priority to state and local goals for carbon emissions reduction and climate change preparation in growth management decisions. c) Maximize benefits and consider impacts to communities of color and low-income populations when making growth management decisions. d) Protect natural resources and increase access to nature and open space within the community and development nodes.				1	Planning
TL 3-2	Eliminate parking minimums to reduce surface parking and institute new parking pricing models to maintain 85% utilization (performance-based parking, off-street parking tax, dynamic pricing, etc.)				1	Planning
TL 3-3	Continue to integrate mixed use development close to neighborhoods to provide walkable destinations for daily needs. Update and conduct new small area plans for business and mixed use nodes while exploring "15 minute city" concepts and strategies (50th/France, Southdale, Cahill, etc.).				1	Planning
TL 3-4	Identify underutilized paved areas and incentivize conversion to sustainable green space or infill development. Conversion focus should take into consideration neighborhood's greenspace, heat island mitigation, affordable housing, and bike/walk mobility needs and prioritize site utilization based on addressing the greatest needs at each site as determined through appropriate engagement with the community, particularly people traditionally under represented.				2	Planning
TL 3-5	Assess whether or not to purchase and preserve greenspace in and surrounding the city by quantifying the equitable, environmental, and economic benefits, along with the costs of maintaining and owning the property.				2	Sustainabilit
TL 3-6	Incentivize the development of brownfields, vacant land, and abandoned buildings within the City. Identify unused industrial-zoned areas and explore rezoning to increase viability of development opportunities. Offer tax or other incentives to those who agree to implement such green technology as green roofs, LEED certified buildings, solar arrays, geothermal heating, etc.				3	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
TL 3-7	Allow and encourage the construction of accessory dwelling units ("ADU") to increase rental opportunities in both established neighborhoods and new development. This will add additional housing options for the City's workforce, seniors, families with changing needs, and others for whom ADUs present an affordable housing option.				3	Affordable Housing
	TL 4: Increase battery electric vehicle (BEV) utilization to 25% of community wide rolling stock (from approximately 357 vehicles to 9100 vehicles community-wide).					
TL 4-1	Create an Electric Vehicle (EV) Action Plan. An EV Action Plan should: 1) address increased public access to chargers, 2) identify locations for chargers in commercial areas, 3) identify DC Fast Charging locations 4) explore charging infrastructure technologies including streetlight integration and smart cable technologies, 5) address barriers to charging at homes and rental properties (such as households without garages), 6) identify strategies to increase use of EVs in car sharing programs, and 7) assess the potential to partner with third-party EV charging station providers to lower program and construction costs.				1	Engineering (Transportation/ Sustainability)
TL 4-2	Implement an "EV Ready" building ordinance that requires new developments to have wiring capacity to charge electric vehicles and establish minimum EV parking requirements.				1	Sustainability
TL 4-3	Encourage and incentivize purchase of electric vehicles and installation of electric vehicle charging capacity. Incentives and rebates should prioritize support for low income households and opportunities to increase equity.				1	Sustainability
TL 4-4	Partner with fleet operators and transit providers to work towards a goal that buses and fleets based and operating in Edina, including school buses, be 50% electric by 2030 and 100% by 2035. Work with transit agencies and bus companies to take advantage of federal transit grant opportunities to purchase new electric vehicles.				2	Sustainability
TL 4-5	Develop incentive and educational programs to transition lawn care companies and homeowners from using fuel-burning lawn equipment (e.g., lawn mowers, blowers) to electric.				2	Parks & Recreation

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
TL 4-6	Collaborate with waste haulers, or require in waste hauler agreements, to deploy alternative fueled vehicles – biodiesel/electric vehicles used in solid waste collection and disposal.				3	Health Division
	TL 5: Convert municipal operations gasoline and e10 gasoline vehicles and equipment within municipal fleet to EV's. Achieve 40% by 2030 and 100% by 2040					
TL 5-1	Adopt a policy requiring 100% of new light-duty City fleet vehicles to be electric vehicles, or use no/low carbon alternative fuels by 2030, and 100% of new medium and heavy-duty city fleet vehicle purchases to be electric, use no/low carbon alternative fuels, or meet high-efficiency standards, by 2040.				1	Sustainability
TL 5-2	Conduct a municipal fleet inventory and EV transition Implementation plan. Effort to identify opportunities for electrifying, right-sizing, and improving overall efficiency of vehicles to meet CAP Goals. Include implementation recommendations to incorporate EV's through right-timing purchases with a planned vehicle-replacement schedule.				1	Sustainability
TL 5-3	Introduce a policy to replace City off-road and lawn equipment with electric and low-carbon fuel alternative options at the time of replacement with traditional internal combustion engine (ICE) as optional requiring proof of need.				1	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	BE 1: Improve total community wide residential, commercial, educational, and industrial building energy efficiency by 15% for electricity and 15% for Natural Gas by 2030.					
BE 1-1	Partner with established Energy Audit/Energy Efficiency Program(s) to accomplish significant residential energy efficiency improvements and make the program accessible to all Edina residents, including reduced participation costs for low income households. The program should offer building envelope tests, infrared thermal scanning, light weatherization projects, LED light bulb replacement. Additionally, offer building operations and behavioral suggestions, as well as track carbon, energy, and financial savings Goal: 460 households annually.				1	Sustainability
BE 1-2	Work with Xcel Energy, Centerpoint Energy, Minnesota Chamber of Commerce and other partners to establish commercial/industrial energy efficiency audit and upgrade program. Develop specific energy efficiency programs for hard-to-reach segments of commercial properties (e.g., commercial rental, restaurants, affordable multifamily housing, schools). Program to be similar Minnesota Chamber of Commerce's EnergySmart commercial energy savings program with enhanced energy efficiency targets meeting City of Edina CAP Goals. Goal: 15% of commercial/ industrial buildings by 2030 achieving a 20% efficiency increase per location.				1	Sustainability
BE 1-3	Require City-financed projects to meet an energy efficiency standard, like Sustainable Buildings 2030 (SB2030), LEED Gold, Enterprise Green Communities, the 24 National Green Building Standard ICC/ASHRAE 700, or an equivalent certification. Consider requiring projects receiving PUD, CUP or other zoning action to meet the energy efficiency standard.				1	Sustainability
BE 1-4	Create a Utility Services rebate program that provide incentives for residential and commercial/ industrial buildings based on energy use reduction in addition to demand reduction and which encourage efficiency which exceed existing building energy code (e.g., lighting controls, outdoor lighting, energy recovery ventilation, carbon dioxide controls, custom rebate). Program to also support modifications to existing construction installations of qualifying age to remedy existing construction limitations where the required R-value cannot be met. Program to prioritize support for low income households.				1	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
BE 1-5	Partner with local organizations and businesses to educate the public and promote the adoption of energy efficiency habits like purchasing high-efficiency equipment, turning the lights off in unused spaces and at night, having efficient indoor temperature control, and promote home energy audits among their staff and students.				1	Sustainability
BE 1-6	Establish a clean energy fund to invest in energy efficiency and renewable energy projects. Develop and expand financing tools such as Clean Energy Works and commercial Property Assessed Clean Energy that are broadly accessible to households and building owners, including rental properties, throughout the community. Remove financial barriers to building retrofits, including limiting property tax increases due to completed energy projects as well as reducing any other potential burdens on rental properties when making upgrades.				1	Sustainability
BE 1-7	Create a welcome packet for new businesses and residents, which will provide information on all the energy efficiency improvement resources and opportunities.				2	Economic Development
BE 1-8	Promote and offer incentives for improving energy efficiency (e.g., insulation, energy-efficient windows, electric heat pumps) in newly constructed commercial properties. New construction incentives shall support measures for projects that exceed code requirements. Prioritize building sites within neighborhoods with higher portions of people of low income and higher climate vulnerabilities.				2	Sustainability
BE 1-9	Explore, create, and promote incentives for cool roofs and green roofs on new and existing buildings in order to mitigate urban heat islands. Prioritize building sites within neighborhoods with higher heat island impacts.				2	Sustainability
BE 1-10	Implement an energy challenge competition to motivate institutional partners. Establish annual targets of households/businesses to reach (use average kWh use per premise by neighborhood maps created by Xcel to target high users).				2	Sustainability
BE 1-11	Work with partner organizations to promote building retro-commissioning and operation and maintenance practices that improve affordability, comfort, indoor air quality and energy efficiency in all commercial and multifamily buildings.				2	Sustainability
BE 1-12	Work with utilities to incentivize efficiency incentives for the fit-out of commercial tenant space and the replacement of inefficient equipment before end-of-life and facilitate the bulk purchasing of efficient equipment at all commercial/industrial building types.				2	Sustainability

Click here to return to Section

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Phase:
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2 (2-5 years)
3 (3-7 years)

Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
BE 1-13	Establish a performance ratings/labeling program for all homes listed for sale or rent so that owners, tenants and prospective buyers can make informed decisions about energy costs and carbon emissions. Rating program to require Energy Audit/Energy Efficiency Program participation.				3	Sustainability
BE 1-14	Promote and offer incentives for improving residential energy efficiency in new construction (e.g., insulation, energy-efficient windows, electric heat pumps). New construction incentives shall support measures for projects that exceed code requirements.				3	Sustainability
BE 1-15	Deploy residential technologies that start with enabling renters to participate in energy efficiency, such as Wi-Fi-enabled "smart" thermostats, while piloting new business models that tackle tenant-landlord split issues.				3	Sustainability
	BE2: Increase adoption of high performance building construction technology, achieving 5% Net Zero households and 1% Net Zero commercial properties community wide by 2030					
BE 2-1	Launch a platform and training program to share best practices, providing training, and promote the City's Net Zero Energy Guide and Solar-Ready Checklist.				1	Sustainability
BE 2-2	Build market demand for net-zero energy buildings through incentives, education, demonstration projects, partnerships and recognition.				2	Sustainability
BE 2-3	Following the completion of an energy audit overview of all City facilities, identify potential sites for Net Zero retrofit/renovation.				2	Sustainability
BE 2-4	Develop competitive Request for Proposal for effective and innovative Net Zero pilot projects. Focus on "Net zero building in every neighborhood" to establish visibility of strategies within the community. RFP should encourage high quality mixed use redevelopment on infill properties and existing surface parking lots along transit oriented development corridors. RFP's should focus on equity, affordability, livability, and compliance/support of Climate Action Plan goals.				3	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	BE3: Reduce share of population living in high energy poverty from 29% to 12% by 2030					
BE 3-1	Create a community-wide Clean Energy Equity plan to support low-income residents and small organizations in purchasing renewable energy.				1	Sustainability
BE 3-2	Explore the development of renewable energy program(s) which increase utilization of on-site / in-community renewable energy while creating benefit for low-income community members. Example programs include City of Dubuque Low Income Solar Renewable Energy Credit (SREC), Leech Lake Band of Ojibwe Community Solar for Community Action, and Texas Energy Poverty Research Institute Community Solar Program Model. Goal: 16,000 MWh clean energy delivered through programs annually by 2030.				1	Sustainability
BE 3-3	Use grant, state, and city funding to implement an income-based payment system to allow low and fixed income residents to participate in energy efficiency and weatherization program(s) at little to no cost.				1	Sustainability
BE 3-4	Explore additional options for building improvement programs that would reduce energy consumption for vulnerable populations and those living under high energy burden through added insulation, air sealing, passive energy systems, heat pumps, and higher efficiency equipment.				2	Sustainability
	BE 4: Achieve 10% residential and commercial and industrial building "fuel switching" from on-site fossil fuel combustion to less carbon intensive, or carbon neutral sources by 2030.					
BE 4-1	Coordinate and promote a residential and small business "Electrification and Energy Efficiency/ Weatherization" group purchase campaign annually to help reduce the costs of energy efficient no/low carbon heating systems such as air source heat pumps and ground source heat pumps through volume purchasing power. Program design to focus on improved equity (residential and commercial) in its implementation and explore strategies to support local small business contractors such as being set up to enable small contractors to collaborate or having a competitive "marketplace" approach with more than one contractor to choose from. NOTE: Action may be implemented in combination with the renewable energy group purchase program action. Goal, 300 households and 75 businesses annually.				1	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
BE 4-2	Partner with institutions and businesses within Edina to secure commitments to reduce operational greenhouse gas emissions in line with the goals of this Climate Action Plan, achieving carbon neutrality by 2050.				1	Sustainability
BE 4-3	Identify opportunities for facilities to repurpose waste to energy without burdening residents.				1	Public Works (utilities)
BE 4-4	Identify, create, and promote incentives for switching away from natural gas heating to renewable electricity, ground source heat pumps, or solar thermal for residential and commercial and Combined Heat and Power (CHP) for appropriate commercial/industrial sites.				2	Sustainability
BE 4-5	Create an educational program to inform residential and commercial properties about renewable energy opportunities including technologies that eliminate on-site fossil fuel use.				3	Sustainability
	BE 5: Increase renewable energy (distributed and purchased) from 1.6% to 17% of citywide residential and commercial electric use by 2030					
BE 5-1	Coordinate and promote a residential Solar Group Purchase Campaign annually to help reduce the costs of solar installation through volume purchasing power. Program design to focus on improved equity in its implementation and explore strategies to support local small business solar installers such as being set up to enable small installers to collaborate or having a competitive "marketplace" with multiple installer options. NOTE: Action may be implemented in combination with the electrification and energy efficiency group purchase program actions. Goal, 150 households and 75 businesses annually.				1	Sustainability
BE 5-2	Identify the "Solar Top 100" commercial/industrial properties within the city and produce detailed solar feasibility assessments for each site. Assessments to include potential solar generation and economic performance and return on investment estimates, information on financing and ownership models, and next step resources. Provide solar assessment reports to properties and conduct an informational workshop to assist building owners and businesses in understanding the assessments and next step potential. "Solar Top 100" assessment effort could be repeated annually, particularly through 2025.				1	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
BE 5-3	Coordinate and promote a commercial/industrial Solar Group Purchase Campaign annually to help reduce the costs of solar installation through volume purchasing power. Group purchase campaign could include/focus on properties identified in the "Solar Top 100" assessment effort and should include both direct purchase/ownership as well as 3rd party ownership options like Solar Lease and Power Purchase Agreements. Program design to explore strategies to support local small business solar installers and strategies to support local workforce development. Goal: 2,000 KW installed annually.				1	Sustainability
BE 5-4	Promote green power purchase options such as those provided by Xcel Energy's "Renewable Connect" and "Windsource". Collaborate with utilities on promotion and education of available options. Goal: 220 households and 50 businesses annually.				1	Sustainability
BE 5-5	Support the development of community solar projects that benefit all residents, particularly communities of color and low-income populations.				2	Sustainability
BE 5-6	Establish a Solar Ready Ordinance to require all commercial and multi-family buildings to be solar ready and to require on-site solar for all commercial properties receiving City funding and incentives. See City's Solar Ready Guidelines.				2	Sustainability
BE 5-7	Participate in statewide policy discussions to expand the market in Minnesota for renewable energy, including solar, wind, geothermal, biogas and biomass, and remove barriers to wide-spread participation in renewable energy programs like community solar.				2	Sustainability
BE 5-8	Explore the viability of all commercially available options for energy storage (battery) and develop appropriate energy storage programs for all customer types to reduce peak demand, support electric grid reliability and improve the effectiveness of solar and other renewable energy options.				2	Sustainability
BE 5-9	Organize education and outreach programs to promote rebates and tax credits available for energy efficiency projects. Outreach should focus on effectively communicating with households of lower income and BIPOC owned businesses.				3	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	BE 6: Improve total municipal building energy efficiency by 17% for electricity and 17% for natural gas by 2030					
BE 6-1	Introduce a policy that requires all new and existing municipal buildings to be built to meet or exceed IGCC code and State of Minnesota B3 energy goals. Require new and existing municipal buildings without solar PV installations in place or planned to install cool roof or green roofing. Require all new construction or major renovation projects to use the City's Net Zero Energy Building Guide and Checklist to explore opportunities to advance towards Net Zero Energy. Invite County, School District, and other public agencies located within the City to participate in City's energy efficiency policy effort.				1	Sustainability
BE 6-2	Conduct a City Facilities Energy Audit on all buildings and sites (including outdoor lighting conversion to Dark Sky approved LED lighting). Use results from City Facilities Energy Audit to prioritize City Facilities Capital Improvement Plans (CIPS) and maintenance improvements to achieve energy efficiency goals. Establish a timeline for improvements with implementation occurring within 5 years of completion of energy audits.				1	Engineering (facilities)
BE 6-3	Implement the Environmental Preferable Purchasing (EPP) Policy within municipal operations.				2	Sustainability
BE 6-4	Conduct a occupancy and plug load energy efficiency study of primary city owned facilities and establish a "Plug Load and Occupancy Energy Efficiency Guide" outlining operational practices to advance the City's energy efficiency goals for City facilities. Provide training to all existing city employees and provide on-going training to all new City hires.				2	Engineering (facilities)
	BE 7: Achieve 25% municipal building thermal "fuel switching" from on-site fossil fuel combustion to less carbon intensive, or carbon neutral sources by 2030					

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
BE 7-1	Conduct an "Electrification Assessment and Action Plan" to outline actions and priorities for electrification of all City facilities to move towards zero on-site fossil fuel combustion. Work with regional energy partnerships to implement Plan for all City facilities and establish a schedule for improvements (such as hot water and space heating appliance replacement). Include new and existing buildings, explore strategies to address electricity storage, and create a case study to highlight and share challenges, solutions, and lessons learned to share with the broader community.				1	Engineering (facilities)
BE 7-2	Establish a policy requiring all new municipally owned buildings to be 100% electric (or zero on-site fossil fuel combustion).				1	Engineering (facilities)
	BE 8: Increase renewable energy (distributed and purchased) from 0.2% to 100% of city operations electricity consumption by 2030.					
BE 8-1	Conduct a City Facility Solar Feasibility and Master Plan study to explore the feasibility of on-site solar for all city facilities. Study should explore a range of ownership options including purchase and third party ownership (such as Power Purchase Agreements) and should include exploration of micro-grid and solar+storage options for improved facility resilience. Study should also identify strategies such as community solar subscriptions combined with Renewable Energy Credit purchases, to achieve renewable energy at sites determined to be inappropriate for on-site solar to achieve 100% renewable energy by 2030.				1	Engineering (facilities)
BE 8-2	Install solar on all City buildings and sites, where feasible based on the findings and recommendations of the City Facility Solar Feasibility and Master Plan study by 2027. Explore implementation of micro-grid, solar+storage and other options for improved facility resilience. Explore including City Facility solar purchases in community-wide commercial solar group purchase campaigns.				1	Engineering (facilities)
BE 8-3	Explore use of the Guaranteed Energy Savings Program (or another option such as a tax-exempt bond or performance contracting) to finance all possible municipal solar projects and renewable energy purchases through the utility.				2	Sustainability

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	WM 1: Decrease total per capita municipal solid waste handled 5% by 2030					
WM 1-1	Coordinate with the school district to establish paths towards Zero Waste program. Program to include zero waste curricula, family content, training, volunteer program connections, as well as zero waste strategies for school facilities.				1	Community Engagement
WM 1-2	Support collaborative consumption community projects, such as neighborhood compost projects, tool libraries, and repair cafes through mini-grant programs.				1	Parks & Recreation
WM 1-3	Explore options for waste hauling improvements supporting CAP goal achievement, including modifications to City's existing licensure process and requirements as well as organized waste hauling strategies.				1	Health Division
WM 1-4	Create a space where items can be donated at the end of the school year or after graduation and hold an annual event for children's things and toys to be given away.				2	Parks & Recreation
WM 1-5	Eliminate petroleum-based, single-use products through phasing out the use of single-use plastics including plastic bags by 2025. Require food service retailers to use re-usable, biodegradable, compostable or recyclable packaging and utensils (including for take-out). Explore the feasibility of establishing a reusable takeout container service.				2	Health Division
WM 1-6	Establish a Zero Waste policy for City operations that outlines increasing incremental annual waste reduction goals charting a path to Zero Waste. Policy to require that outside users of City facilities also follow Zero Waste policy and will modify the event permit application to require the inclusion of recycling and composting at events.				3	Sustainability
WM 1-7	Establish a Universal Zero Waste Ordinance, requiring all property owners (including City buildings and parks) to provide recycling and compost collection services and requiring businesses to use these services.				3	Sustainability
	WM 2: Achieve 70% organics landfill waste diversion by 2030 (from 5,775 tons to 10,250 tons diverted through organics collection)					
WM 2-1	Make City worksites a model for organics composting by developing a collection program for City buildings (owned and leased) and park spaces.				1	Engineering (facilities)

Click here to return to Section

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WM 2-2	Require that compost be used as a soil amendment for public and private construction projects that disturb the soil cover by a set amount.				1	Engineering
WM 2-3	Conduct an organics waste collection pilot project with a sample of City businesses to test the interest, methodology, and amount of commercial food waste that would need to be accommodated by a commercial organics collection program. Explore possible incentives for food retailers, restaurants, and institutions to participate in food waste reuse and recycling programs.				1	Health Division
WM 2-4	Expand curbside and availability of other composting options for single family and multi-family residents and businesses. Explore options for low-cost or free compost/organics collection or drop off particularly for people of low income. Promote and educate on the value and methods for composting.				1	Health Division
WM 2-5	Develop compost captains on each block/ neighborhood to educate neighbors on the benefits of composting, gardening, creating "cool yards".				2	Health Division
WM 2-6	Explore requiring large new buildings to provide facilities for disposing organics.				2	Health Division
WM 2-7	Combat food waste by encouraging retailers and restaurants to donate, reduce, reuse, or compost their unsold food, creating “zero-waste sections” where products are sold close to their expiration dates, and designating “zero-waste coaches” to raise awareness among staff and help manage products reaching the end of their marketable life. Edible unsold products shall be donated. When not edible, organic waste shall be composted through City's organics collection vendor.				3	Health Division
	WM 3: Increase recycling from 32% to 35% of total MSW handled by 2030					
WM 3-1	Coordinate with public partners to ensure recycling is provided and promoted in all schools, City buildings, public housing, and public spaces. Include coordination on recylcing education and communications to improve reduction of contamination.				1	Health Division
WM 3-2	Explore a requirement that all waste be recycled or salvaged at large construction sites.				2	Buildings
WM 3-3	Work with the Planning Department to require adequate space/chutes in multi-family buildings for recycling and organics making sure recycling is as convenient as garbage.				2	Planning

Click here to return to Section

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WM 3-4	Explore establishing or expanding requirements for recycling and organic waste collection for multi-family residential buildings, and commercial/industrial buildings. Promote, educate and advocate for equal access to organics collection as well as collection of other common items typically requiring drop off at the recycling center to support participation by all, including individuals with limited mobility.				3	Health Division
WM 3-5	Expand consumer education (e.g. host community forums and provide direct outreach) on sustainable consumption, materials management, available services, incentives, and facilities as well as proper recycling, composting, and source reduction methods.				3	Health Division
	WM 4: Increase diversion of potential recoverables by 15% by 2030 (decreasing from 14.7% of city mixed waste to 12.5%)					
WM 4-1	Promote and explore partnership with clothing businesses, reuse non-profits and textile recycling businesses to create a Clothing Reuse and Recycling pilot project to advance zero waste textiles within the City.				1	Health Division
WM 4-2	Promote and partner with existing waste audit or diversion assistance programs for businesses. Program to support businesses in establishing tracking and reporting waste streams, identify reduction, diversion, beneficial use opportunities, identification of potential financing sources, and connect businesses with energy audit and other resources in support of full CAP goals. Goal: 30 business waste audits completed annually with businesses engaged in measuring and diverting waste.				1	Health Division
WM 4-3	Establish a policy or ordinance expanding or requiring textile reuse and recycling based on outcomes of the Clothing Reuse and Recycling pilot project.				2	Health Division
WM 4-4	Conduct a Beneficial Use Study to identify greatest beneficial use opportunities present in current City solid waste streams. Study to estimate potential return on investment and identify job and economic development potential associated with opportunities. Research/identify pilot project opportunities to explore capture of benefit.				2	Economic Development
WM 4-5	Promote and partner to support a Fix It Fair at the Library and create a resource list for reuse.				3	Health Division

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	W 1: Promote increased water conservation citywide with a targeted reduction of 7.5% by 2030					
W 1-1	Advocate for updated building codes to require water conservation measures (e.g., grey water infrastructure, water-efficient irrigation systems, native and drought-resistant landscaping) in new construction and renovations.				1	Sustainability
W 1-2	Evaluate the potential to update the City's Green Building Program to include installation of rainwater collection systems at City facilities for graywater uses, and investigate opportunities for graywater reuse at existing and new City facilities and properties. Implement graywater systems identified capable of reducing energy/water demand in other areas (for example, watering urban tree canopy to reduce heat island effect and air conditioning needs).				1	Sustainability
W 1-3	Facilitate reduction of water use by top customers annually through an opt-in water reduction program targeting water reduction goals of 20% or more per site. Offer free technical resources to large institutions and businesses to identify specific opportunities for employees or customers to conserve water and incorporate water efficiency into internal operations. Program can be coordinated with the City's Waste Audit and Diversion Assistance program. Goal: 30 business water use audits completed annually with customers engaged in measuring and reducing water consumption.				1	Engineering (environment)
W 1-4	Evaluate opportunities for real-time water and energy metering that may help customers better understand and reduce their water and energy consumption.				1	Public Works
W 1-5	Implement a policy to require installation of rainwater collection systems and WaterSense water efficient fixtures and appliances at all City facility projects and all projects receiving $50,000 or more in City tax abatement, financing or funding. Provide information and technical assistance to projects as needed.				3	Planning
W 1-6	Conduct a Water Conservation "challenge" campaign ask participants to reduce water consumption through water use behavior change strategies, irrigation system utilization, and replacement of fixtures like shower heads with WaterSense certified fixtures.				3	Engineering (environment)
W 1-7	Consider rate design structures that incentive reductions in water consumption. Include utility services and capacity support to implement income-based payment plan. Include education and engagement plan to raise awareness about change and water efficiency.				3	Finance

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	W 2: Reduce GHG emissions associated with wastewater City Wide by 25% per capita by 2030					
W 2-1	Partner with Xcel or the PUC to study ways to off-peak or time water, sanitary, and storm utility electric use to provide grid services or increase the preferential use of renewable energy, or provide reliable power with grid controlled batteries, rather than diesel or natural gas generators.				1	Engineering (environment)
W 2-2	Negotiate or contract with Metropolitan Council Environmental Services for renewable, biodigestion, or other wastewater treatment offset technology to offset 100% of Edina wastewater treatment demand carbon emissions by 2030.				1	Engineering (environment)
	W 3: Mitigate and adapt to the projected increased flood hazards and impacts due to climate change					
W 3-1	Monitor chemical snow and ice management treatments and update regulations as needed to respond to changing ice, freeze/thaw, and rain events in a way that supports a healthy watershed while maintaining an appropriate level of service and snow clearing; within city owned properties.				1	Public Works
W 3-2	Increase frequency of street sweeping for priority lakes and creek sub-watersheds based on the 2015 City of Edina Street Sweeping Plan. Promote the "Adopt-a-Drain" program to continue to improve removal of debris from storm drains and waterways. Consider renewable natural gas, or electric sweeper at next equipment replacement plan.				1	Public Works
W 3-3	Implement strategies to mitigate stormwater impacts due to development and redevelopment of properties currently exempted from stormwater management requirements.				1	Engineering (environment)
W 3-4	Fund and construct the Morningside Flood Infrastructure Project, and complete preliminary concepts, prioritize and schedule mitigation projects for next 3-4 major flood risk areas.				2	Engineering (environment)
W 3-5	Prioritize managing stormwater before it enters the sewer system through a combination of overland flow, detention, and infiltration strategies (for example, permeable surfaces).				2	Engineering (environment), Parks, Sustainability

Click here to return to Section

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Strategy / Action	Action	GHG	Resilience	Equity	Phase	City Lead
W 3-6	Complete ordinance amendment that reduces allowable impervious surface of R-1 single family zoning. Target: 50% allowable impervious surface decrease.				2	Planning
W 3-7	Promote, share and create additional "Actions you can take" fact sheets for businesses, home-owners, rental property owners, and renters. Establish an accessible outreach and engagement plan to reach at-risk properties during infrastructure projects. Incorporate other resources such as "landscaping for absorption" practices (like native plantings, rain gardens, and bioswales) and MyRain Ready.				2	Engineering (environment)
W 3-8	Build more permeable parking lots and driveways and use more recycled materials with con-crete. Identify, implement, and promote pilot projects to provide examples of permeable and recycled paving systems.				3	Engineering (Transportation)
	W 4: Update design standards and municipal plans to meet projected cli-mate change flood mitigation requirements					
W 4-1	Prepare a flash flood risk map, or modify existing City of Edina flood mapping tools, to identify areas within City that are particularly vulnerable to flash flood impacts based on current and projected climate change impacts. Train and educate emergency responders about this risk. Create and implement a mitigation and response plan. Share and promote the information de-veloped by the flash flood risk map, particularly among vulnerable populations and neighbor-hoods.				1	Engineering (environment)
W 4-2	Enhance stormwater system plans and infrastructure to handle an increase in severe weather events based on climate change projections rather than historic trends.				2	Engineering (environment)
W 4-3	Work with FEMA to update flood zone maps. Update watershed management plans with cur-rent understanding of climate change related weather patterns to identify properties vulnerable to flooding and help prepare property owners to implement adaptation actions.				2	Engineering (environment)

Click here to return to Section

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	LF 1: Increase production of local food and its resilience to climate shocks, particularly serving low income and food insecure individuals.					
LF 1-1	Review ordinances and development regulations remove barriers to and promote urban agriculture.				1	Planning
LF 1-2	Support existing school and community gardens and provide opportunities to expand community growing spaces with a focus on locating garden infrastructure to serve youth, immigrant, and people with lower incomes or who are experiencing food insecurity. Community growing and garden spaces may include use of park space, unused city owned space, or public right of way/ boulevard areas. Program should prioritize conversion of impervious spaces to garden space and preservation/increase of overall green space benefit. Provide on-going promotion, communication, and education of the sites and opportunities including appropriate translated and accessible content.				1	Parks & Recreation
LF 1-3	Partner with schools and other organizations to create sustainable gardening programs at public and private schools and at locations that to serve youth, immigrant, and people with lower incomes or who are experiencing food insecurity. Promote local food production through these partnerships, funding, and educational programs.				1	Parks & Recreation
LF 1-4	Incentivize and reward soil best management practice for urban lawns, gardens, landscaping, parks, open spaces, prairies, environmentally sensitive areas, and agricultural land uses.				1	Planning
LF 1-5	Update code to provide incentives or require developers to preserve topsoil and provide space for backyard or community gardens.				2	Planning
LF 1-6	Establish a public Food Forest by adding edible trees, shrubs, and planting regionally native vegetables to existing public landscaping including boulevard and right of way areas. Select an existing property for a pilot project.				2	Parks & Recreation
LF 1-7	Collaborate with partners to provide educational resources such as featuring films, "fact sheets" and educational content. Use these partnerships to create field trips for students and others to visit farms and urban agriculture sites to see food production, meet farmers and animals and promote consideration of farming and local food production as a career. Communications, events, and field trips to prioritize racial/cultural diversity among participants.				2	Sustainability

Click here to return to Section

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LF 1-8	Allow community gardens or urban farms on vacant land in all zoning districts, except industrial, to increase the availability of locally produced food for all residents.				3	Planning, Parks
	LF 2: Increase access to local food, particularly serving low income and food insecure individuals					
LF 2-1	Conduct a detailed Food Security Assessment to determine food insecurity conditions within the City, areas with limited access to full service grocery stores and markets (particularly within areas of higher vulnerable populations), identify areas within the City for improvement, and establish detailed strategies to increase food security within City.				1	Health Division
LF 2-2	Encourage and support the acceptance of Electronic Benefits Transfer (formerly food stamps) at all markets and groceries, and educate EBT/SNAP users about using their benefits to purchase local food. Explore the development of a "Double SNAP Dollar" program at all Farmers Markets to increase access to locally grown fresh produce for low income households.				1	Health Division
LF 2-3	Promote and expand public education campaigns to encourage purchasing and supporting restaurants which use locally grown and produced food at the individual and institutional level (add targeting of disadvantaged, food insecure, and elder populations). Collaborate with under represented groups to identify culturally preferred foods and advocate for their cultivation and increased availability locally.				2	Health Division
LF 2-4	Analyze existing Municipality purchasing and procurement policies and explore creating a policy preferring purchasing locally grown foods.				3	Parks & Recreation
	LF 3: Reduce food waste, achieve a 25% reduction in food waste community-wide by 2030					
LF 3-1	Collaborate with partners to create, incentivize, and promote a business network of sourcing, distributing and marketing cosmetically imperfect produce particularly those which provide affordable produce to low income and food insecure community members.				1	Health Division

Click here to return to Section

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LF 3-2	Promote Restaurant, Food Service and Household Best Management Practices o Reduce Food Wastage in the Kitchen (pre-consumer) o Reduce over-purchasing of food o Reduce prep waste and improperly cooked food o Consider secondary uses for excess food o Ensure proper storage techniques o Reduce Plate Scraping Wastage (post-consumer) – Modify menu to increase consumer satisfaction and reduce food left uneaten – Modify serving sizes and garnishes – Encourage guests to order/request and take only the food they will consume - Go Trayless at buffets and school/institutional cafeterias				2	Health Division
LF 3-3	Establish partnerships and a program to improve logistics of sourcing and transporting surplus food from events, schools, restaurants, grocery stores and other sources to providers and partners capable of effectively distributing surplus to disadvantaged, food insecure, and elder populations.				2	Health Division
	LF 4: Reduce the amount that the community's food consumption contributes to climate change					
LF 4-1	Create collaborative partnerships with community-based organizations and affinity groups, including low-income populations and communities of color, to: a) Promote healthier, low-carbon diets. b) Encourage local food production and purchase including at local restaurants. c) Support affordability and access to healthier foods through neighborhood food buying clubs and co-ops. d) Reduce food waste.				1	Community Engagement
LF 4-2	Establish an Green Business Refrigeration upgrade cost sharing incentive program providing a 25% matching grant for qualified buildings and applicants to switch to green refrigeration practices.				2	Sustainability
LF 4-3	Include healthy, low-carbon food choices and food waste in public and business outreach efforts. Work with partners to support efforts to encourage plant-based diets, including Meatless Monday campaigns.				3	Parks & Recreation

Click here to return to Section

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	GS 1: Increase tree cover from 35.9% to 39.5% by 2030 and 43% by 2040					
GS 1-1	Explore the integration of trees into a Stormwater Credit Program to increase trees and manage stormwater.				1	Engineering (environment)
GS 1-2	Conduct a Solar and Tree Compatibility study to actively identify the best sites in the city for tree canopy expansion as well as the best locations for solar pv installations. Following study, work to direct and encourage tree planting and solar pv development in areas identified.				1	Forestry
GS 1-3	Identify strategic locations for increased tree planting capable of meeting long-term canopy goals and develop long range implementation program based on the City's 2021 Ground Cover, Tree Canopy, and Carbon Sequestration Study and the goals of this CAP. Establish incentives for tree planting that ensure all socio-economics groups have access to tree and nature while achieving tree canopy goals. Prioritize tree replacement programming in neighborhoods based on factors outlined in the study including those with low income households, vulnerable populations, street and boulevards with less than 30% sidewalk/curb length shade coverage, and neighborhoods that will be most impacted by urban heat island effect and Emerald Ash Bore loss.				1	Forestry
GS 1-4	Update City's Landscape ordinance to include a minimum tree coverage per lawn area or per impervious surface coverage for all new construction or expansion projects. Explore options for decrease of turf grass/lawn coverage and increase of wildflower/prairie grass coverage requirements.				1	Planning
GS 1-5	Update current tree preservation ordinance requirements to protect tree root systems and large legacy trees during construction. Explore options for increases in legacy tree protection and increases in performance based requirements of tree planting within parking lots.				1	Forestry
GS 1-6	Establish a Greenspace Property Tax Credit / or Saleable/tradeable greenspace credits to incentivize property owners to increase green infrastructure, greenspace, and carbon sequestration in line with the goals of this CAP.				2	Sustainability

Click here to return to Section

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GS 1-7	Prioritize planting and preservation of native species of plants and trees and species of plants and trees adaptive to climate change on public and private property through education, incentives and other promotional programs. Ensure that landscaping requirements articulated in the zoning code include the preservation of the maximum possible number of existing trees, the use of native plantings and the preservation of natural areas whenever possible.				2	Sustainability
GS 1-8	Update the City's approved street tree guide and landscape design standards to establish a Climate Adaptive Planting list for tree and plant species appropriate for a future local climate. Also include a list of invasive species and resources for identification and removal. Use guide for all city owned properties and promote its use for residential and commercial properties.				3	Forestry
GS 1-9	Update the City's Ground Cover, Tree Canopy, and Carbon Sequestration Study every 2 to 5 years to evaluate progress on the City's greenspace and ground cover goals and to adjust implementation plans.				3	Parks & Recreation
	GS 2: Increase pollinator supportiveness of lawns and grasslands in City of Edina and achieve a 10% turf replacement with native or climate adaptive grasses and wildflowers by 2030 (250 acres converted)					
GS 2-1	Complete a Land Conversion Opportunity Study supporting the ground cover goals included in this CAP. Analyze public and private property for unused turf and impervious areas, and create a Ground Cover Conversion Implementation plan to convert to native plant and pollinator restoration areas, permaculture areas, wetlands, shrub, tree coverage or urban agriculture uses with goals by census tract. Include goals and an implementation plan to meet or exceed the CAP goals for tree, native pollinator area, and lawn conversion for City owned properties. Goals should be weighted by heat island, water runoff, and equity needs. Identify incentive opportunities and establish an outreach campaign.				1	Community Development (planning)
GS 2-2	Remove and ease lawn/grass requirements in ordinances.				1	Community Development (planning)

Click here to return to Section

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GS 2-3	Install roadside pollinator vegetation that creates effective barriers to prevent drifting of air pollutants to adjacent schools and residences. Priorities should be given to locations with increased air quality and micro heat island impacts and elevated flash flood potential.				1	Public Works
GS 2-4	Manage city-owned natural areas to enhance and maintain diverse native communities, increase green infrastructure, implementation of best practices for stormwater management, increased plant diversity, and improved pollinator-friendly habitat.				1	Parks & Recreation
GS 2-5	Manage city-owned lawn/turf areas to enhance and maintain diverse native communities, increases turf replacement with native wildflower and prairie grasses, increased plant diversity, improved pollinator-friendly habitat, and Carbon Gardening practices including elimination of synthetic fertilizer and pesticide use, high mow deck settings, use of biochar amendments, and polyculture lawn mixture.				1	Parks & Recreation
GS 2-6	Establish a policy to require the use of native plants in landscaping at City-owned properties. Continue natural vegetation conversion for passive park areas. Add 110 Acres of native plant and pollinator restoration area on City Property by 2040.				2	Parks & Recreation
GS 2-7	Establish a policy and Identify, create, and promote incentives to assist homeowners and households with low incomes by covering some of the cost of converting traditional lawns by planting pollinator friendly food gardens, permaculture, wildflowers, clover or native grasses in an effort to slow the collapse of the state's bee population.				2	Sustainability
GS 2-8	Develop educational and informational resources providing information on benefits of and strategies for reduced and repurposed lawn space including: native plantings, "carbon gardening" strategies for ornamental gardens, and produce gardens, tree profile rebuilding, elimination of synthetic fertilizer and pesticide use, high mow deck settings, use of biochar amendments, polyculture lawn mixture and other beneficial greenspace practices included in this CAP.				2	Sustainability
GS 2-9	Establish and effectively manage native-habitat corridors along trails and utility easement areas to restore and maintain landscape connectivity.				2	Parks & Recreation

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	GS 3: Reduce heat island effect through citywide "dark" impervious surface reduction of 10% by 2030 and 20% by 2040 (250 acres reduced by 2030, 500 acres reduced by 2040)					
GS 3-1	Develop a "Green Roof" / "Green Wall" pilot project to educate on and exhibit heat island mitigation strategies and measure potential for effectiveness. Identify city building with low solar PV prioritization/feasibility for inclusion as pilot project location. Alternatively, pilot program could be advertised for submission by City of Edina residents, businesses and neighborhoods for potential sites to be considered for pilot project selection. Preference should be given to sites serving low income or at risk communities with high heat island impact potential.				1	Engineering (facilities)
GS 3-2	Develop a "Cool Roof" / "Cool pavement" pilot project to educate on and exhibit heat island mitigation strategies and measure potential for effectiveness. Identify city building with low solar PV prioritization/feasibility for inclusion as pilot project location. Alternatively, pilot program could be advertised for submission by City of Edina residents, businesses and neighborhoods for potential sites to be considered for pilot project selection. Preference should be given to sites serving low income or at risk communities with high heat island impact potential.				1	Engineering (facilities)
GS 3-3	Promote the expansion of tree canopy in urban heat islands or areas that need air conditioning such as schools. Prioritize efforts based on City's 2021 Ground Cover, Tree Canopy, and Carbon Sequestration Study. Collaborate with school district, regional agencies, or institutions to identify and implement a pilot project, including community educational and interpretive content.				1	Sustainability
GS 3-4	Explore development of green roof incentives (demonstration projects, voluntary programs, incentivized program, ordinance / policy) to meet long-range dark impervious surface reduction goals. Examples of incentive programs have been developed by the Climate Protection Partnership Division in the U.S. Environmental Protection Agency's Office of Atmospheric Programs.				2	Sustainability

Click here to return to Section

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Strate-Action	Action	GHG	Resilience	Equity	Phase	City Lead
GS 3-5	Evaluate on-going pilot programs for cool paving materials to determine whether the City should establish a cool paving policy.				2	Engineering (Transportation)
GS 3-6	Explore creation of a Heat Island Reduction Incentive and Award program prioritizing areas of the City with the highest heat island coefficients as identified in the City's 2021 Ground Cover, Tree Canopy, and Carbon Sequestration Study. Incentives and awards from governments, utilities, and other organizations can be an effective way to spur individual heat island reduction actions. Incentives might include below-market loans, tax breaks, product rebates, grants, and giveaways. Awards can reward exemplary work, highlight innovation, and promote solutions across the public and private sectors.				3	Sustainability

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	HS 1: Educate, engage, and empower the public on health and safety risks of climate change impacts					
HS 1-1	Establish a communication campaign in alignment with the American Public Health Association Policy Number: 201711 and educate the public about the hazards of air pollution, including indoor air quality, and the steps individuals can take such as reducing and eliminating fossil fuel use, and available resources to reduce their exposure. Campaign to use a variety of communication avenues to reach diverse audiences - particularly the City's top vulnerable populations identified in the City's Climate Vulnerability Assessment - include multiple methods such as events at ADA compliant easily accessible locations, art, mail, public forums, digital surveys, social media, websites, etc. Provide easy-to-understand materials and provide childcare and ensure the availability of translators and interpreters.				1	Health Division
HS 1-2	Engage both school districts and private schools to explore the possibility of developing and implementing an environmental education-integrated curriculum.				1	Community Engagement
HS 1-3	Engage with the Public Health Department and other health related agencies to include health impacts of climate change in Health Impact Assessments and annual reporting while sharing information about climate risks to health.				1	Health Division
HS 1-4	Improve resilience through community co-created education, public and community lead initaitives. Increase awareness of climate change impacts and emphasize the need for household and neighborhood preparation. Create activities and messages that capture public interest Provide opportunities for action and information on city programs including transportation without cars (biking, walking, transit), tree planting, climate friendly yards, etc.				2	Sustainability
HS 1-5	Support capacity of neighborhood and community groups to implement climate mitigation and adaptation initiatives.				2	Community Engagement
HS 1-6	Encourage the Edina School district to re-establish Go Green committee where each school sends a rep to monthly meetings to report on projects and share ideas. Also encourage schools have Green teams for teachers, students and parents to promote actions in line with CAP Goals such as bike riding, ride sharing , electric charging stations for EVs, gardens for food, etc.				2	Community Engagement

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
	HS 2 : Assist the City's vulnerable populations in preparing for climate change impacts.					
HS 2-1	Make air conditioned public facilities available during poor air quality days and high heat days. Prepare for public buildings to be used in different ways, both in lower-impact ways, such as seniors using the library to cool down during hot June days, and as safe-havens during acute emergencies.				1	Health Division
HS 2-2	Add climate preparedness elements to public health programs already aimed at vulnerable populations and low-income households and dedicate increased funding to accommodate demand for public health services among at-risk populations.				1	Health Division
HS 2-3	Establish a protocol for providing assistance to vulnerable populations including low-income populations, communities of color, older adults and people with disabilities that may face financial strain caused by climate hazards, such as higher utility bills, educating on environmentally friendly, cost effective alternatives to air conditioning, identify funding sources to support those populations, and provide linkage between those populations and supportive resources. Include outreach to understand how the City can better assist them in preparing to meet needs. Design of outreach and protocol should include youth leadership and a convened group representing the different vulnerable communities in Edina to place their needs be at the center of the development of the protocol and process.				1	Health Division
HS 2-4	Provide travel vouchers to vulnerable individuals to use during high heat emergencies since lack of transportation is highly correlated to heat vulnerability.				2	Health Division
HS 2-5	Create and make available an Emergency Response Toolkit offering tips and suggestions for residents to increase their emergency preparedness. Develop City-based program to support individuals and families who cannot afford to purchase supplies for household emergency preparedness kits to adequately prepare their homes.				2	Health Division

Click here to return to Section

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HS 2-6	Ensure public safety staff is properly trained to recognize and respond to physical and behavioral signs of heat related illness. Conduct climate change impacts and adaptation training for law enforcement, fire, first responders, and utilities. Promote equity in hazard mitigation, and emergency response and recovery activities, and consider populations most vulnerable to weather-related emergencies in all plans and exercises, including evacuation routes, transportation for vulnerable population groups, shelter in place locations, back-up power operations, extended access to fuel/power sources and drinking water, etc.				2	Health Division
	HS 3: Establish and update plans to address climate risks and impacts					
HS 3-1	Develop, test, train, and update emergency response plans that address hazards likely to become more frequent or intense as the climate changes, including flood and extreme heat. Plan for projected increases in weather-related emergencies, especially high-heat days, and the resulting potential for increased violence, mental illness, chemical dependency and addiction. Coordinate with County to update emergency plans with specific climate change-related emergency materials including press release templates; information on cooling/heating centers, flood and extreme heat, etc.				1	Health Division
HS 3-2	Establish a policy that requires city infrastructure projects and capital budgets incorporate climate risk and vulnerability analysis and adaptation plans to ensure that future spending contributes to resilience.				1	Sustainability
HS 3-3	Create preparedness and recovery plans for all City divisions. After weather-related emergency events, assess response to identify effectiveness, deficiencies and resources needed to build future resilience.				2	Health Division
HS 3-4	Conduct a health impact assessment to identify areas with potential elevated health risks associated with climate impacts including unsafe levels of air pollution from vehicle traffic and other sources. Prioritize use of the data to implement modifying zoning or other improvements.				2	Health Division
HS 3-5	Coordinate with the County to develop a debris management plan to support response to severe storm events and flooding.				2	Public Works

Click here to return to Section

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Strate-Action	Action	GHG	Resilience	Equity	Phase	City Lead
	HS 4: Strengthen community response capacity and social support networks					
HS 4-1	Encourage cross-sector collaboration (government, business, agency, tribes, non-profit organizations) between entities working on climate change mitigation and adaptation/resiliency.				1	Sustainability
HS 4-2	Form a team to develop action plans to address climate-related mental health resilience at the individual, neighborhood and community level. Develop projections and plans for addressing future mental health needs in Edina. Provide culturally-appropriate resources for health professionals about the potential mental health impacts of climate change including seasonal affective disorder (SAD) and grief counseling.				1	Health Division
HS 4-3	Support, leverage create relationships with, and enhance community networks and connections for those who require special attention, such as people who are elderly, homebound, disabled, isolated, or those likely to be in need of financial assistance during or after extreme weather events (heat, cold and heavy precipitation).				2	Community Engagement
HS 4-4	Build capacity and leadership within communities most vulnerable to climate change impacts by promoting, supporting and leveraging community-specific strategies, projects and events.				2	Sustainability

Click here to return to Section

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Strategy	Action	Action	GHG	Resilience	Equity	Phase	City Lead
		CE 1: Promote economic investment that aligns with the Climate Economy and the goals of the Climate Action Plan					
CE 1-1		Partner with State and County waste management and local and regional recycling centers to establish a program to encourage and promote new entrepreneurial businesses advancing the use of recycled material feed stock, the utilization of organics composting, and "Circular Economy" concepts which further the goals of the CAP.				1	Economic Development
CE 1-2		Establish a Clean Energy business incubator to support the establishment of innovative energy efficiency and renewable energy business models within the community. Model should prioritize the development of opportunities for people with low income, under represented, and people with vulnerabilities. Incubator services should include a public communications campaign on the services and benefits of participating in an incubator, and how to become engaged. Incubator should consider a requirement for start up businesses receiving support to provide service/ products to under represented populations.				1	Economic Development
CE 1-3		Foster small business and green business development, particularly those which support the goals of this Climate Action Plan such as those that increase resources or utilization of renewable energy, energy efficiency, quality of life for vulnerable populations, improved resilience of homes and local businesses, etc.				2	Economic Development
CE 1-4		Promote Edina as an environmentally friendly destination by highlighting the businesses that are taking steps to reduce resource consumption (Green Business Recognition program).				2	Economic Development
CE 1-5		Explore options to collaborate to create and promote a market for Certified Compost from local sources using City of Edina organic waste.				3	Health Division
		CE 2: Promote workforce development for success in the climate economy					
CE 2-1		Review and suggest potential policy changes to identify current and potential future need for affordable housing including scenarios anticipating climate immigration and migration potentials. Affordable housing locations should be located with easy access to climate economy jobs and meet the Buildings and Energy, Transportation and Land Use, Climate Adaptation, Health and Safety, and other goals of this CAP plan.				1	Affordable Housing

Click here to return to Section

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
CE 2-2	Engage with local green jobs training providers to coordinate strategic planning and encourage programs to develop local workforce capacity and assess, train, and place local residents to perform energy retrofits, solar pv installations, and other green improvements.				1	Community Development
CE 2-3	Collaborate to establish a jobs training program focused on building workforce with deconstruction skills and capacities. Job training program should focus on establishing job skills and placement for low income individuals.				1	Buildings
CE 2-4	Collaborate with the School District, local community colleges, unions, local non-profit/ community organizations, and employers to establish a paid Green Jobs apprenticeship and internship program. Program to facilitate the hiring of program graduates through the promotion and subsidized internship placement with employers within the City of Edina. Explore establishing a cost sharing / resource sharing component with the businesses benefiting from internships. Program to prioritize internship candidates from households with low income and people from under represented populations.				2	Sustainability
	CE 3: Encourage commercial properties and businesses and institutions to plan for climate resilience					
CE 3-1	Collaborate with partners to ensure redundancy in telecommunications and broadband networks to protect commerce and public safety in the event of natural or manmade disasters.				1	Sustainability
CE 3-2	Provide assistance vetting contractors offering energy, waste, and water audits and efficiency upgrades, renewable energy installations, and EV readiness assessments or equipment installations to local businesses. Contractor vetting should include clear indication of important equity considerations such as "small locally owned business", "Woman owned business", and "BIPOC owned business". Include information on financing options such grants and low/no cost assistance.				1	Sustainability
CE 3-3	Support climate resilience of local economy by preparing water, road, utilities, and other public infrastructure for increased demands from climate change based on Edina Climate Risk and Vulnerability Assessment, Emergency Management Plan, and State climate change data and projections.				1	Engineering

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
CE 3-4	Create an online assessment of business' vulnerability/resiliency, including the following topics and content: Incentives or Tax breaks available Zero Waste improvements Climate Resiliency Energy: efficiency and renewables Emergency Response				2	Sustainability
CE 3-5	Facilitate in-person discussions with community businesses to build relationships to identify industry specific economic impacts Edina businesses (particularly small businesses and disadvantaged group businesses) face based on the climate change based on risks and hazards identified in this report, the Climate Risk and Vulnerability Assessment, and the City/County emergency management response plan. Collaborate with businesses to Identify economic resilience strategies in response to those economic vulnerabilities and conduct outreach to industry groups and public-private partnerships to promote private sector investment addressing them.				2	Economic Development
CE 3-6	Work with community businesses to explore the creation of an incentivized "buy local" campaign to enhance resilience of small local businesses.				2	Economic Development
CE 3-7	Make sure key business infrastructure is recognized in the City and County's general hazard mitigation plan and emergency response plan.				2	Health Division
	CE 4: Establish dedicated sustainable financing for the City's climate action implementation					
CE 4-1	Advocate climate action related funding at State level including support of new state multimodal transportation funding source for transit, bicycle and pedestrian services and facilities and statewide carbon tax or carbon cap generating new decarbonization funding sources.				1	Sustainability
CE 4-2	Identify a sustainable funding source for the goals and actions of this CAP in support of low-income residents such as energy efficiency projects, mobility and low-carbon transportation, and high quality local food programs.				1	Sustainability

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Strategy Action	Action	GHG	Resilience	Equity	Phase	City Lead
CE 4-3	Establish a policy that accounts for all energy efficiency and renewable energy operational cost savings of City buildings and fleets. All savings to be invested into a Climate Action Fund as one source of financing for the City's climate action efforts.				1	Sustainability
CE 4-4	Conduct a study to establish an Urban Forestry Product program to sell wood products, and dedicate funds to climate action plan strategy implementation. Revenue sources could include: sale of Ash tree logs removed as a part of the City's EAB management plan, selling tree storm debris and tree trimming waste to waste-to-energy plant or pelletizer, selling sugar taping rights to Maple, Birch, and Walnut trees located on City property and right of way responsibility, etc.				1	Forestry
CE 4-5	Add a Carbon Impact Fee to all new development as a percentage of the building permit fee. Additional funds raised to be used for Climate Mitigation and Adaptation implementation. Projects may apply for a refund if they install on-site renewable energy system and provide documentation that demonstrates the system will offset a minimum of 40% of the site's energy consumption, with sliding scale refunds provided for projects offsetting over 40%.				2	Sustainability
CE 4-6	Establish a policy to utilize TIF (Tax increment Financing) to incentivize Mitigation and Adaptation actions in line with the goals of the CAP.				1	Sustainability
CE 4-7	Explore the potential of collaborations with donors, philanthropists, and non-profit foundations to develop a Climate Action and Equity Fund for the City of Edina.				2	Sustainability
CE 4-8	Explore adopting a tax financing mechanism such as a "resilience penny" property tax increase of $0.01 per $100 of assessed value and dedicate additional funds for climate mitigation and climate adaptation strategies. Funds may be used directly, or may be used as a repayment source for a bond issue.				2	Sustainability

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CITY OF EDINA

4801 West 50th Street
Edina, MN 55424
www.edinamn.gov

Date: May 12, 2022

Agenda Item #: VI.E.

To: Energy and Environment Commission

Item Type:
Report and Recommendation

From: Grace Hancock, Sustainability Manager

Item Activity:
Action

Subject: Monthly call for communication requests

ACTION REQUESTED:
Submit any communications requests to staff liaison for processing

INTRODUCTION:

ATTACHMENTS:

EEC Communication Channels

Energy and Environment Commission Communication Guidelines

Communication Channels

These channels are used by Edina's Communication Department and can be accessed by the EEC. While turnaround time is included, it is recommended that requests be made as early as possible for planning purposes. There will be a call for communication requests as a standing agenda item at each EEC meeting. The staff liaison will coordinate requests with Communications Director, Jennifer Bennerotte.

Type	Content	Materials from EEC	Publishing Frequency	Turnaround Time
Website	Press releases/news alerts (Hometown Heroes is a longer feature – also on social media and recognized at City Council meetings)	Topic/ nomination, willingness to be interviewed	Ad hoc	1 week (Hometown Heroes = 1-2 months)
Better Together Edina	Any topic that the Commission wants to get feedback on or engage with the public	Topic, drafted text, type of engagement, etc.	Ad hoc	1 week
Sun Current	Newspaper- Guest Column (cannot be submitted on behalf of the Commission/City). Anything coming from the City needs to be submitted by the Comms Dept.	Text	Weekly	Independent submission
Edition Edina	Newsletter	Topic, willingness to be interviewed	Monthly	60 days
Social Media	Facebook, Twitter, Instagram	Topic, # of posts	Ad hoc	Campaign = 1 month Basic post = 1 day
Video	Agenda: Edina /Mayor's Minute/ Youtube idea	Topic, willingness to be interviewed	2x/month	1 month
Direct Mailers	postcards, inserts, posters, flyers, etc.	Budget, topic	Ad hoc	1 month
Send Text	Text	Topic	Opt-in	1 month
Other Newsletters	PW Pipeline and Parks Activities Directory, The Times (Senior Center newsletter)	Topic, willingness to be interviewed	2x/year (The Times = 10x/yr)	3 months
City Extra Emails	Can choose topic area-bulk emails	Topic, draft text	Opt-in	1 week

Contact Information

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GHancock@EdinaMN.gov

Communication Department Project Lead Times

The following lead times are organized by level of work involved by Communication Department. These are recommended by the staff to provide guidance for marketing and communication development.

Level 1 *(1 day)*
• Re-order of existing project
Level 2 *(3 days)*
• Re-sizing existing project (no other edits)
• Website banner images
• Basic photo editing
Level 3 *(1 week- small changes)*
• Copy changes where text doesn't move
• Postcards
• Rack cards
• Social media graphics based on existing campaign
• PowerPoint presentation graphics for public event
Level 4 *(2 weeks-updates)*
• New social media graphics
• Updates to existing pieces (new copy, colors, photos or combination thereof)
• Posters and flyers
• Ads
Level 5 *(3-4 weeks-significant projects)*
• New campaigns
• New art
• Brochures
• Reports
• Pamphlets and booklets
Level 6 *(More than 1 month (to be negotiated or determined with Director-large projects))*
• Re-brand
• Logo design
• Publication redesign