

# AGENDA ENVIRONMENTAL ADVISORY COMMISSION CITY OF WHITE BEAR LAKE, MINNESOTA WEDNESDAY, NOVEMBER 15, 2023 6:30 P.M. IN THE CITY HALL CONFERENCE ROOM

#### 1. CALL TO ORDER AND ATTENDANCE

#### 2. APPROVAL OF AGENDA

## 3. APPROVAL OF THE MINUTES

- A. Minutes of the Environmental Advisory Commission meeting on September 20, 2023
- B. Minutes of the Environmental Advisory Commission meeting on October 18, 2023

#### 4. VISITORS AND PRESENTATIONS

None

#### 5. UNFINISHED BUSINESS

A. Joint work session presentation, Tuesday, January 16, 2024

#### 6. NEW BUSINESS

- A. Commission Officer Election, Chair & Vice-Chair Action item
- B. 2024 Draft Work Plan

## 7. DISCUSSION

- A. Staff updates
- B. Commission member updates
- C. Do-outs
- D. December agenda

## 8. ADJOURNMENT



## City of White Bear Lake

**Engineering Department** 

## MEMORANDUM

**To:** Environmental Advisory Commission

**From:** Connie Taillon, P.E., Environmental Specialist

**Date:** November 9, 2023, 2023

Subject: Action Items for November 15, 2023 EAC Meeting

## Agenda item 5A. Joint work session presentation

The joint workshop with City Council and commissions is scheduled for January 16, 2024. The location has not yet been determined. The purpose of the meeting is to provide an overview of the accomplishments for 2023 and a sneak peek for 2024. A pdf of last year's presentation is included in the November agenda packet for reference. The EAC will have the first time slot from 6 to 6:30pm, with a 20-minute verbal presentation and 10-minute Q&A.

Action: Brainstorm ideas to include in the joint work session presentation/discussion.

**Agenda item 6A. Commission Officer Election, Chair & Vice-Chair** – *Action item* The chair and vice chair positions are up for election this month.

Action: Consider nominating members for chair and vice chair and making separate motions to nominate the chair and vice chair positions for 2024.

## Agenda item 6B. 2024 Draft Work Plan

The draft 2024 work plan is included in the October agenda packet.

Action: Review the draft 2024 work plan and begin discussing priority goals for 2024.



# MINUTES ENVIRONMENTAL ADVISORY COMMISSION OF THE CITY OF WHITE BEAR LAKE, MINNESOTA WEDNESDAY, OCTOBER 18, 2023 6:30 P.M. IN THE CITY HALL CONFERENCE ROOM

#### 1. CALL TO ORDER AND ATTENDANCE

Chair Schroeher called the meeting to order at 6:39 p.m.

MEMBERS PRESENT: Sheryl Bolstad, Chris Frye, Chris Greene, Bonnie Greenleaf, Rick

Johnston (Vice Chair), Jeff Luxford, Gary Schroeher (Chair)

MEMBERS ABSENT: None

STAFF PRESENT: Connie Taillon, Environmental Specialist

VISITORS PRESENT: None

## 2. APPROVAL OF AGENDA

The commission members reviewed the agenda and had no changes.

It was moved by member **Greenleaf** seconded by member **Bolstad**, to approve the agenda as presented.

Motion carried 7:0.

## 3. APPROVAL OF THE MINUTES

A. Minutes of the Environmental Advisory Commission meeting on September 20, 2023. Member Johnston requested that the September meeting minutes be approved at the November meeting to provide time for him to submit a summary of his update on County Road E and Bellaire. Taillon will add the September 20, 2023 meeting minutes to the November agenda for approval.

#### 4. VISITORS AND PRESENTATIONS

None

#### 5. UNFINISHED BUSINESS

A. EAC shirts – Action item

Taillon stated that the remaining 2023 budget will cover the cost of 7 embroidered shirts. She requested that each commission member email their shirt size to her. She will order the shirts once she hears back from everyone. The commission members discussed color options and chose clover green.

It was moved by Chair Schroeher seconded by member Johnston to authorize Taillon to order 7 embroidered shirts with the City bear logo and 'Environmental Advisory Commission' text from the 2023 EAC budget not to exceed \$163.40.

Motion carried 7:0.

# Board and Commissions Recognition Banquet presentation The commission members reviewed the 2022 Board and Commissions Recognition Banquet EAC presentation and updated the following slides for the 2023 presentation:

- On the Expo slides, add that the League of Women Voters exhibit focused on their environmental initiatives.
- Taillon will coordinate the park restoration slide with Andy.
- Members added an EAC community involvement slide. Member Bolstad will email an image to Taillon from the downtown mobility and parking study steering committee presentation for inclusion on this slide.
- Keep ongoing program slides in presentation (adopt a drain, pollinator map, food scraps recycling, Zero Waste Events policy).

## 6. NEW BUSINESS

## A. Joint work session presentation

The commission members brainstormed topics to discuss at the joint workshop with City Council. Member Frye suggested discussion regarding electric equipment commitments and expanding on the native landscapes code. Member Bolstad would like to discuss increasing tree planting in the downtown area and supporting infrastructure to grow healthy trees. Member Frye mentioned that the EAC consider asking for concrete projects and for support of these projects. Member Greenleaf stated that Chair Schroeher did a great job at last year's joint work session and that she hopes that all Council members are able to attend this year.

#### B. 2024 Draft Work Plan

The commission members asked Taillon to include the draft 2024 Work Plan to the November meeting.

## 7. DISCUSSION

## A. Staff updates

Taillon mentioned that her and Sadie from the Parks Department gave a presentation to Rotary Club at Rotary Nature Preserve last week. The presentation described the restoration projects and partnerships. After the presentation, Taillon led a tour of the restoration areas.

#### B. Commission member updates

Member Bolstad provided an update on the downtown mobility and parking study steering committee meeting held on October 11, 2023. A parking study concluded that there is no shortage of parking in the downtown area. The planning team presented slides on mobility options such as one-way streets and increasing pedestrian flow. One option under consideration is to turn one block of 3<sup>rd</sup> Street into a pedestrian walkway. For Clark Ave at the farmers Market, duplicate what is South of 2<sup>nd</sup> Street and put north

of 2<sup>nd</sup> Street. The Farmers Market could be on the pedestrian walkway.

Member Frye stated that the next zoning code update community advisory committee meeting is scheduled for December 5, 2023.

## C. Do-outs

New do-out items for October 18, 2023 include:

- Members to email Taillon their shirt sizes.
- Taillon to update recognition banquet presentation slides and consult with Andy on the parks restoration slide.
- Members to brainstorm topics for discussion at the joint work session, and finalize at November meeting

## D. November agenda

Commission members asked Taillon to add the joint work session presentation and draft 2024 work plan to the November agenda.

## 8. ADJOURNMENT

There being no further business before the Commission, it was moved by member **Greene** seconded by member **Greenleaf** to adjourn the meeting at 8:54 p.m.

Motion carried, 7:0



Mayor, City Council Members. I'm Gary Schroeher, Chair of the Environmental Advisory Commission. Thank you for the opportunity to share with you some of the activities our Commission has been involved in and are currently working on.

## **Members:**

Gary Schroeher (Chair)

Term: 2011-2023

Rick Johnston (Vice Chair)

Term: 2018-2024 Sheryl Bolstad Term: 2011-2025

Chris Frye Term: 2022-2025

Christopher Greene

Term: 2017-2023

Bonnie Greenleaf *Term: 1992-2024* 

Jeff Luxford
Term: 2022-2025

## Role:

- Advise City Council on policies related to the environment.
- Complete environmental projects, accomplished through yearly work planning and prioritization.
- Seek input from and encourage WBL residents to adopt sustainable practices through surveys, education, and program & event sponsorship.



We are a 7-person advisory commission appointed by the Mayor. Here is a list of our current members. Our role is to advise the City Council and educate the public. We seek knowledgeable guest speakers and conduct research so our recommendations are based on scientific evidence.



## GreenStep Cities

The City of White Bear Lake joined the GreenStep Cities Program in 2011.(Resolution 10941) The program is a voluntary challenge, assistance and recognition program to help cities achieve their sustainability and quality-of-life goals.



## City of WBL Comprehensive Plan

The EAC is in full support of the 2040 Comprehensive Plan approved by the city council on June 8, 2021 and its natural resources and sustainability vision.



The EAC is committed to environmental initiatives as outlined in the GreenStep Cities program and the 2040 Comprehensive Plan. The following EAC slides illustrate several examples of our initiatives to support the environment in White Bear Lake



## 2022 Exhibitors:

- Autonomous bus
- Pollinator Friendly Alliance
- NE Metro Climate Action
- Ramsey County Master Gardeners
- Ramsey County
  Recycling Ambassador
  Program
- Ramsey-Washington Metro Watershed District

- Sierra Club Zero Waste Task Force
- Tamarack Nature Center
- Vadnais Lake Area Water Management Organization
- White Bear Lake Conservation District
- WBL Environmental Advisory Commission
- Xcel Energy

Current Initiatives: Annual Environmental Resources Expo



For over 10 years we have been holding an environmental resource expo during the last Thursday of Marketfest. We selectively chose organizations to join us that have interactive displays such as VLAWMO, Tamarack Nature Center, Electric vehicle club, Pollinator Friendly Alliance, Ramsey County recycling ambassadors and Master Gardeners

In April 2016, City Council passed a Pollinator Friendly Resolution to help protect pollinators.

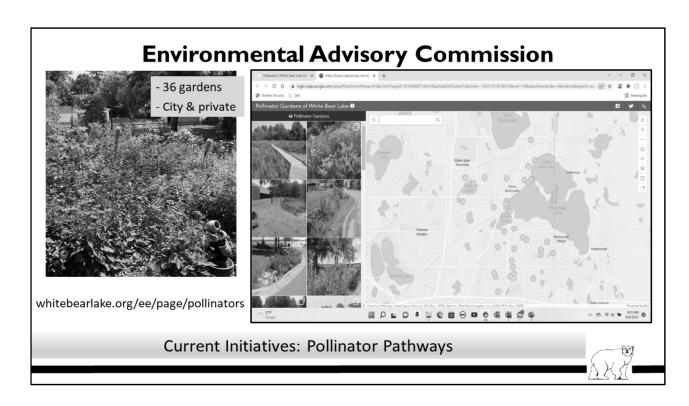


Current Initiatives: Pollinator Pathways



The EAC shares in the concern over the decline in pollinators. Pollinators are important to maintain the ecosystem and pollinate the plants that humans and animals eat. Our first step to combat pollinator loss occurred in 2016 when the

EAC recommended to the City Council to pass a Pollinator Friendly Resolution. Now the EAC is working towards increasing pollinator friendly natural habitat in the city.



An important first step in developing pollinator pathway corridors is to identify the type and location of existing public and private pollinator friendly gardens in the city. The White Bear Lake interactive pollinator map found on the city's web page shows the location of pollinator plants on public and private property. The EAC encourages residents and businesses with existing pollinator friendly gardens to submit information about their garden for inclusion in the pollinator map. Look for an article on pollinator pathways in the WBL community magazine this spring.

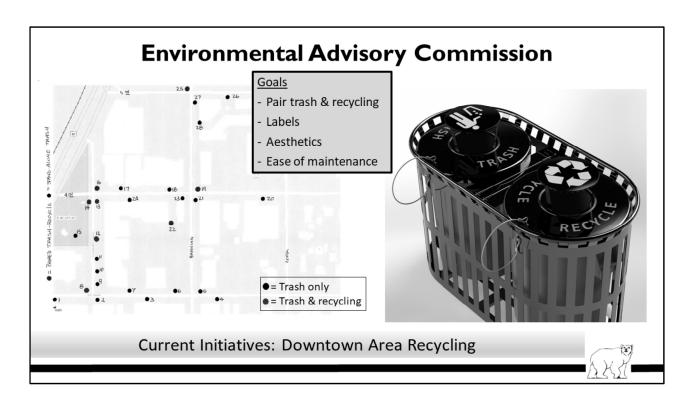


- EAC presented a draft zero waste policy to City Council for their consideration.
- In February 2021 City Council passed a resolution to adopt the Zero Waste Events Policy (Section 1.10 of the City's Policy Manual).
- Purpose: reduce waste at city held events.

Current initiatives: Zero Waste Events



In February 2021 the city council passed a zero waste resolution at the recommendation of the EAC. We support using either washable or compostable plates, cups and utensils at all city held events and encourage all organizations in WBL to support zero waste events.



After we received a letter from a concerned resident about the lack of recycling containers downtown the Commission spearheaded an initiative to improve the downtown recycling. All the trash and recycle bins in the downtown area were mapped out. Research has shown that successful recycling requires clear labeling and pairing recycling and trash bins. We are working with the County to obtain funding to acquire new bins like the ones shown in the photo.

# Spotlight on Sustainability Benefits



Spring is officially here and as residents begin to swap snow blowers for lawn mowers, some may want to consider switching from gas to electric-powered equipment. There is an array of electric tools available to the amateur landscaper, including leaf blowers, weed whips, and tree trimmers. In particular, recent advances in battery technology have made electric lawn mowers and snow blowers increasingly popular and readily available products. White Bear Lake resident, Gary Schroeher, who owns both, described some of the benefits to investing in electric equipment.

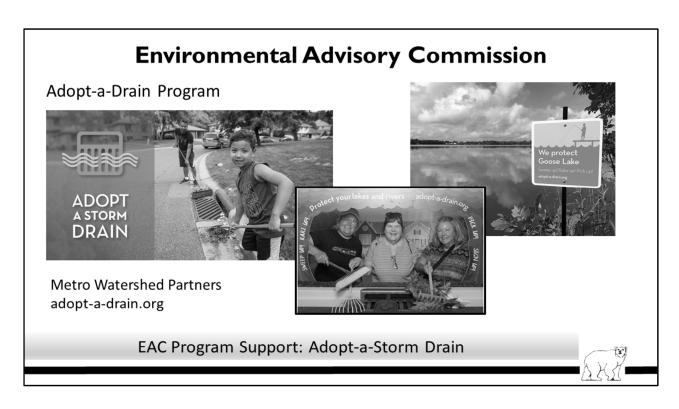
- The EAC supports utilizing battery operated outdoor equipment, such as lawn mowers, snow blowers, string trimmers and leaf blowers.
- Promoted in city newsletter and at the EAC's annual Environmental Resources Expo.
- City received a grant from the MPCA to purchase a battery powered pole saw, string trimmer, handheld blower and chainsaw.

Current Initiatives: Electric Lawn Equipment



The EAC supports utilizing electrical outdoor equipment, such as lawn mowers, snow blowers, weed whips and leaf blowers. It has promoted this at the Environmental Expo and in city newsletter.

Hour for hour gasoline powered lawn mowers produce 11 times as much pollution as a new car. In 2020, the City's Public Works department received a grant to replace a gas powered pole saw, string trimmer, handheld blower, and chain saw with electric versions. All my lawn equipment is electrical, even my snow blower as you can see in this photo.



The EAC also supports the following ongoing initiatives. One of the programs we support is the metro watershed partners **adopt a drain program** where residents sign up to maintain a drain in their neighborhood and keep litter and organic materials from the downstream lakes and wetlands. Our commission members have adopted drains near their homes. There are still others available for adoption on the watershed website! At our 2022 Expo the White Bear Lake Conservation District was encouraging citizens to sign up to Adopt a Storm Drain.



## 2022 Waste Audit

Results for 1, 4-yard dumpster

Week of May 9th

- 1580 Pounds
- ~90% full

Week of May 23rd

- 1360 Pounds
- ~70% full

**EAC Program Support: Food Scraps Recycling** 



At the urging of the EAC Ramsey County partnered with the city to construct a food scrap drop off site in 2021. Since twenty percent of our trash is food waste there's a better option to manage this waste. The food scraps collected at this site and others in Ramsey County will become finished compost at an industrial compost facility. The finished compost is used in gardens, landscaping and construction projects. You'll soon have a new way to recycle food scraps from home! Ramsey and Washington counties are working together to bring a curb side food scraps pick up service to all residents, with rollout beginning sometime in late 2023 or early 2024.

Moving forward the EAC supports the following environmental initiatives and encourages the city council to support them.



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## Climate Smart Municipalities



<u>Goal of partnership:</u> pair together municipalities to accelerate progress toward a cleaner and more efficient energy footprint.

## **Steering Committee**

- Environmental Advisory Commission
- Parks Commission
- Local businesses
- WBL Area School District
- Century College
- Children's Performing Arts
- Economic Development Corporation
- WB Area Chamber of Commerce

EAC Program Support: 'Climate Smart' Steering Committee



The Climate smart partnership with Germany is an important step towards a cleaner and more efficient energy footprint. We're pleased with the City's partnering with a City in Germany and thank the City Council members who made the trip to experience their environmental actions first hand. One aspect of the partnership was the formation of a climate smart steering committee of which Rick Johnston and myself are members along with the listed members on this slide. Unfortunately the Covid pandemic put this on hold...we would like to see the steering committee resume.

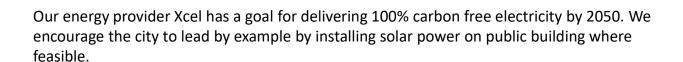
Goal: Increase solar on residential, commercial, and City buildings in WBL

Why: Energy savings and reduction in green house gases.

How: Lead by example with solar installation on public buildings.



Initiatives Under Consideration: Solar



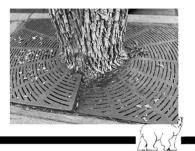
## Prioritize Tree Planting and Maintenance in Downtown WBL

- Maximize number of trees (replace dead trees & create new tree sites)
- Provide Root structural support using Silva Cells or CU-Structural Soil

#### WHY prioritize trees?

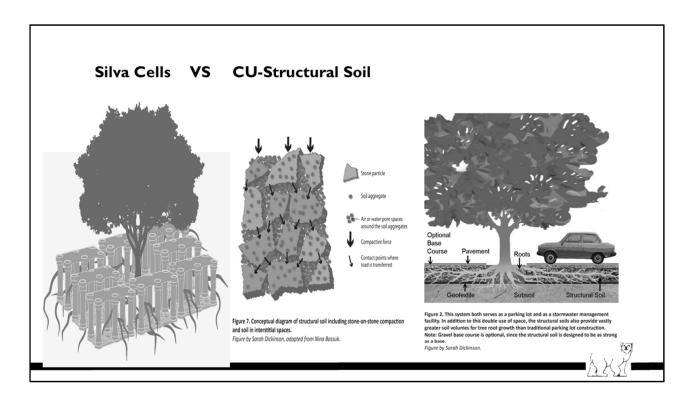
- Greenstep Cities Goal: Environmental Mgmt Category, Maximize tree planting along your main downtown streets
- Good for business. Surveys show people shop longer and spend on average 12% more with large trees present (Wolf, KL)
- · Trees clean and reduce stormwater runoff
- · Trees reduce heating and cooling costs
- Provide beauty



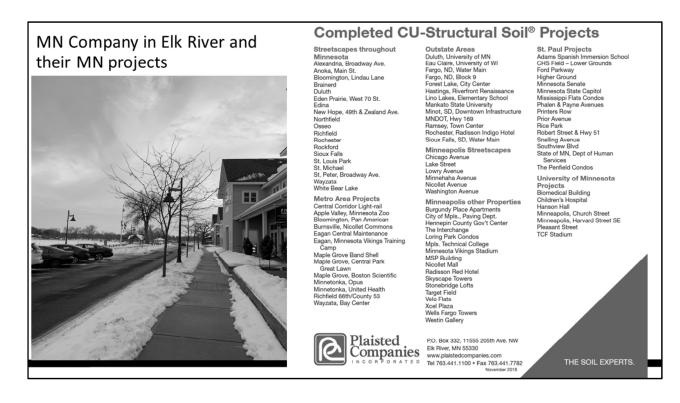


The EAC encourages the city to maximize tree plantings in downtown WBL, which is good for business. Presently there are many vacant locations lacking trees. Surveys show people shop longer and spend on average 12% more with large trees present. The upper right photo also show it's worthwhile to provide sufficient space for trees/roots. Trees on left planted in "jails", are smaller compared to the ones on the right with ample soil volume.

The bottom photo shows a Tree on 4<sup>th</sup> St in front of Good Things. Maintenance is important for existing trees.



The EAC understands that the city is looking at redeveloping downtown WBL. We encourage the city to plant more trees when this occurs. There are several systems for trees to grow successfully in sidewalk/parking lot areas. Sliva cells are highly effective but costly. While Cornell University's Structural Soil is not as quite effective but still achieves good results at 1/3 the cost. Figure on right shows that tree roots can grow even below pavement if provided with Structural Soil



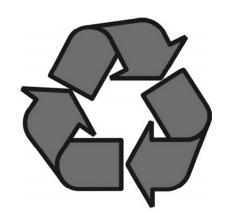
Here is a photo of the Boat Works with trees planted using CU-Structural Soil. It shows trees don't need a large surface area if surrounded by pervious pavement and roots given proper environment such as CU-Structural Soil

Goal: Reduce "wish cycling" and single use bags

Why: Prevent potential fines for excess waste material in the recycling stream. Eliminate waste caused by single use plastic bags

## How:

- Education
- Support for state-wide bill to charge for paper and plastic bags



Initiatives Under Consideration: Recycling education workshops and Reducing single use bags



Waste material in our recycling stream (wish cycling) is close to exceeding our limit of 13% and has potential fines from Eureka. During the Resource Expo we had a display board illustrating acceptable vs non recycling materials. We are exploring other ways to further educate the public on this issue. For example as a Ramsey county recycling ambassador I recently gave a recycling presentation to my church.

Every year Minnesotans throw away 87,000 tons of plastic bags while less than 5% of plastic bags are recycled. Plastic bags can be recycled at local grocery stores but not in the recycling bin. Plastic bas caught in the machinery at Eurekas recycling facility cause several hour shutdowns every day. The Commission is exploring ways to encourage residents to use reusable bags whenever possible. One scenario would be a "Bring your own Bag" ordinance at the state level. We also ask what is the city doing to recycle its plastic waste?

Goal: Water conservation

Why: Saves money, preserves our aquifers and reduces wastewater.



Initiatives Under Consideration: Education



Water conservation is important to preserving our most precious local resource ....White Bear Lake. Encouraging the city and residents to purchase water conserving appliances, installing rain barrels, reducing lawn watering by installing rain sensors and planting draught tolerant plants. I'm sure you all agree that seeing irrigation systems watering lawns during rain events is very frustrating.

Goal: Additional Pollinator plantings on city property

Why: Pollinators like butterflies and bees need these plantings for food and habitat.



Initiatives Under Consideration: Pollinator/Native Plantings



Some activities we are currently evaluating are listed on this and the following slide. As I discussed earlier creating pollinator friendly habitats are important. We suggest that the city evaluate areas of our city parks and properties that could be potentially converted to prairie or native flower plantings reducing the cost of mowing and increasing pollinator habitat.

Goal: Removal of invasive

plants

Why: Out compete native species creating monocultures, creating unhealthy ecosystems.



Initiatives Under Consideration: Invasive species management



Many of our parks and open spaces (for example Lakewood Hills) are infested with invasive species such as buckthorn, which out compete the native plants we need for a stabile healthy ecosystem. We encourage the city to take aggressive action in removing invasive species... for example by partnering with local watershed districts or holding volunteer invasive plant removal events.

Goal: Increase tree plantings on city and residential properties

Why: Trees sequester carbon, provide shade and beautify neighborhoods



Initiatives Under Consideration: Tree plantings



Increased tree plantings are important to sequestering carbon and providing shade to keep urban areas cooler. As we lose trees to age and invasive species, we encourage the city and its residents to increase tree plantings.

➤ Is there a process for the EAC to request that Council support specific environmental legislation.

## Questions to Council



We have a question.... is there a process for the EAC to request that Council support specific environmental legislation.

For example Conservation Minnesota came to the EAC and asked for our support regarding an environmental public policy they were advocating at the state legislature. At the time we were not sure of the procedure and wanted to discuss with you first.

Are there any environmental issues that the city council would like the EAC to work on?

Questions to Council



So that's a brief summary of our activities. Do you have any questions for me or the other commission members here tonight? Are there any environmental issues that the city council would like us to work on? We welcome your feedback. Thank you

## **Environmental Advisory Commission 2024 Work Plan - DRAFT**

Month	Recurrent Agenda Items	Activities/Events /Speakers
January	<ul><li>Environmental Resource Expo planning</li><li>Priority goal(s) planning</li></ul>	
February	<ul> <li>Spring newsletter articles</li> <li>Environmental Resource Expo planning</li> <li>High priority goals</li> </ul>	
March	<ul> <li>Environmental Resource Expo planning</li> <li>High priority goals</li> <li>National Mayor's Water Challenge</li> <li>Discuss upcoming annual SWPPP meeting</li> </ul>	
April	<ul><li>Environmental Resource Expo planning</li><li>High priority goals</li></ul>	
May	<ul><li>Environmental Resource Expo planning</li><li>High priority goals</li></ul>	Schedule tour of R&E facility at a date TBD
June	<ul><li>Environmental Resource Expo planning</li><li>High priority goals</li></ul>	
July	<ul><li>Environmental Resource Expo planning</li><li>Fall newsletter articles</li></ul>	Environmental Resource Expo, July 31?
August	<ul><li>2024 Work Plan</li><li>Environmental Resource Expo Recap</li></ul>	
September	<ul><li>2024 Work Plan</li><li>Volunteer Recognition Dinner slide show ideas</li></ul>	
October	<ul> <li>2024 Work Plan</li> <li>Commission Officer Election – Chair, Vice-Chair</li> <li>Joint workshop planning</li> </ul>	
November	<ul> <li>2024 Work Plan</li> <li>Joint workshop planning</li> </ul>	Volunteer recognition dinner
December	<ul><li>Approve 2024 Work Plan</li><li>Joint workshop planning</li></ul>	Holiday Treats

## **High Priority Goals for 2023**

- 'Reduce recycling contamination' education grant availability
- Pollinator plantings
- Solar on buildings
- Buckthorn removal

## **Ongoing initiatives**

- Recycling containers: waiting for County
- Downtown Revitalization Project EV chargers Boulevard trees
- Zero Waste Events
- Promote electric lawn equipment

## Joint work session notes - Jan 2023

#### Mayor comments:

- Water conservation a priority
- Not interested in a local single use bag ban/charge
- Helpful to create a plan assigning priorities and costs to pollinator/native plantings in collaboration with Parks Commission

## Councilmember Walsh comments:

- He was at a National Night out near Dillion Ditch and was wondering if we could look into pollinator plantings at that location.
- What about pollinator plantings at Bossard Park on the sloped areas.

Review GreenStep Cities website: <a href="https://greenstep.pca.state.mn.us/best-practices">https://greenstep.pca.state.mn.us/best-practices</a>

## **Climate Smart Municipalities topics for Steering Committee**

- Community solar and solar panels on City buildings
- Charge for plastic bags
- Single use plastics
- Climate change resolution
- Partner with Xcel Energy for Projects
- Air quality-lawn equipment (City and private)
- Energy focus, specifically renewables

## **Ramsey County Solid Waste Master Plan topics**

- Curbside collection of bulky items for recycling
- Inclusion of small businesses in City recycling service
- Textile recycling (curbside, special collection, or drop-off) required by 2019

#### **MS4 Permit topics**

- Salt management education
- Dog waste
- Other stormwater topics

## **Current Do-Outs**

#### **Commission Members**

- Choose the type (men's or women's) and size shirt. Email your type shirt and size to Connie.
- Brainstorm topics for discussion at the joint work session. Finalize topics in November.
- Finalize parks maps by the October meeting.
- Email park visit notes in a word document to Connie. Any photos should be saved within the document. All notes to Connie by the November meeting.
- Gary to invite Metro Blooms to a future meeting.
- After visiting the parks, create a report that includes photos, a description of the park, what you saw, and areas that may be good candidates for invasive species removal and/or restoration. Circle these locations on the parks maps that Connie will provide.
- Share park visit reports at the September meeting
- Enter work plan information into Google work plan document (problem statement, list possible results, and define steps to achieve the results for each goal assigned to each member in the work plan list).
- Review GreenStep Cities best practices and tailor 2024 work plan items with this program
- Add GSC numbers to Google doc.
- Gary offered to lead the 'reduce recycling contamination' work plan item.
- Gary to organize a potential buckthorn removal event with RWMWD and YMCA at the YMCA and Lakewood Hills Park.

#### Staff

- Revise Board and Commissions Recognition Banquet presentation slides
- Attach park visit word documents to each park map.
- Highlight environmental related items from the zoning code for a future discussion.
- Set up a joint meeting with the Parks Commission for early next year.
- Research if the City has a policy regarding recycling in public spaces
- Look into recycling cart stickers
- Ask about starting a fall Trash to Treasure day
- Email air quality sensor info to Public Works
- Schedule tour of R&E facility at a date TBD
- Add AIS ID information to the website