AGENDA OF THE SUSTAINABILITY COMMISSION

WEDNESDAY, JANUARY 18, 2023, 5:00 PM
In person at City Hall, Room 310.
Virtual attendance also available via Zoom.

A. Zoom Meeting Information.

1. This item contains Zoom information, instructions, and a link to the Virtual Comment Form.

B. Roll Call.

1. Chair- Seth Hoffmeister; Vice Chair-Ned Dorff; Alder Mark Steuer; John Arendt; Amy Kox; Kaurie Mihm-PRF; Julia Noordyk; Christa Kananen; Mark Walter.

C. Approval of the Agenda.

1. Approval of the Sustainability Commission meeting agenda for January 18, 2023.

D. Approval of Minutes.

1. Approval of minutes from December 21, 2022.

E. Presentation.

1. Consultant partner, Slipstream gives an update on the City-wide Comprehensive Energy Planning Project.

F. Regular Business.

G. Informational.

1. Work Group Updates
2. Marketing & Outreach discussion led by Alder Mark Steuer and Kaurie Mihm.
3. Earth Day is April 23. Is there interest in participating in a community event?
4. Summary of approved text amendments from the Green Stormwater Infrastructure Code project.

H. Adjournment.

1) THIS MEETING IS RECORDED: THE VIDEO OF THIS MEETING AND MINUTES ARE AVAILABLE ONLINE AT www.greenbaywi.gov
2) ACCESSIBILITY: Any person wishing to attend who requires special accommodation because of a disability, should contact the City Safety Manager at 920-448-3125 at least 48 hours before the scheduled meeting time so that arrangements can be made.
3) QUORUM: Please take notice that a majority or quorum of the Common Council will attend this Sustainability Commission meeting and will constitute a meeting of the Common Council for purposes of discussion and information gathering relative to this agenda.
4) REPRESENTATION: The party requesting the communication, or their representative, should be present at this meeting.

Virtual Meeting Instructions

Sustainability Commission

Zoom Meeting Information

Join Zoom Meeting

https://us02web.zoom.us/j/82236285137?pwd=bzBScDVVRysrQlpSZEZpK2FMSnd4Zz09

Meeting ID: 822 3628 5137
Passcode: 769016

One tap mobile

+13126266799,,82236285137#,,,,*769016# US (Chicago)
+19292056099,,82236285137#,,,,*769016# US (New York)

Dial by your location

+1 312 626 6799 US (Chicago)
+1 929 205 6099 US (New York)
+1 301 715 8592 US (Washington DC)
+1 346 248 7799 US (Houston)
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US (Tacoma)

Meeting ID: 822 3628 5137
Passcode: 769016
Find your local number: https://us02web.zoom.us/u/kxwwGfSBc

Public Comments

If you wish to speak at this public meeting or leave a comment, please fill out the online Comment Form prior to the meeting.

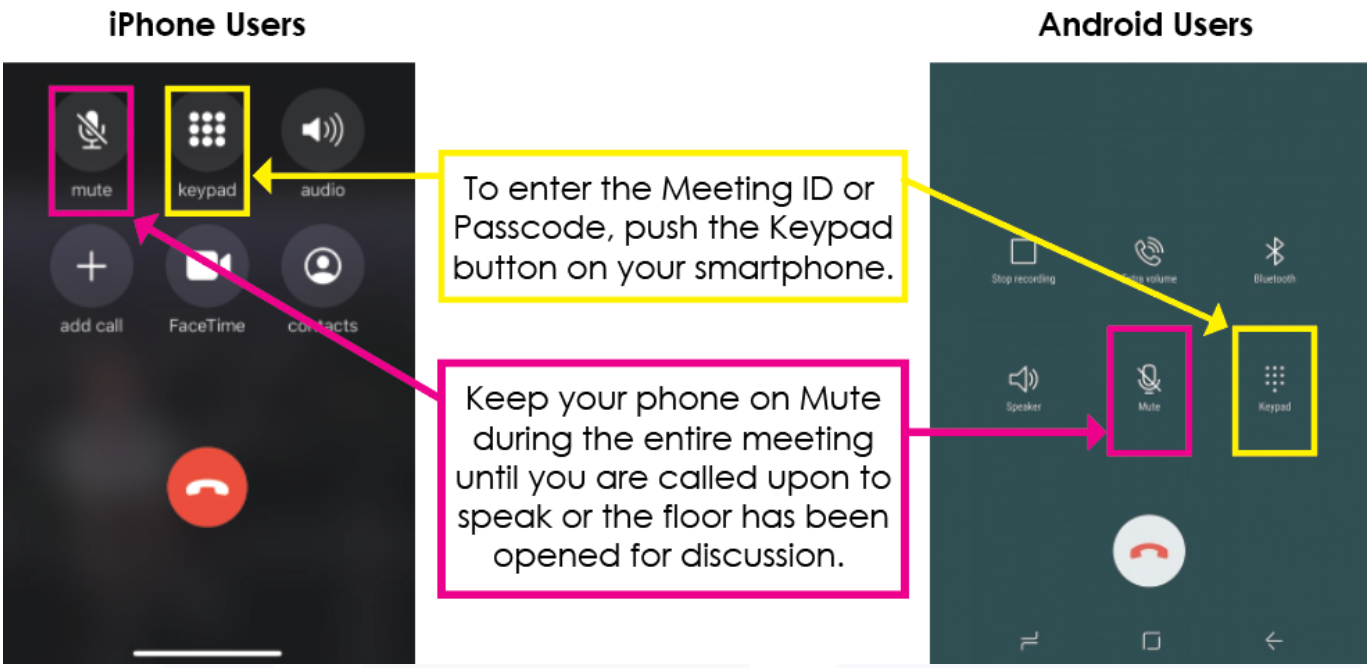
Additional Information

1. Wisconsin Open Meetings Law still applies
    a. Persons interested in speaking to an item must state their name and address for the minutes.
    b. Committee/Commission/Board members will still follow *Roberts Rules of Order Newly Revised 12th edition.*
2. Please log into the Zoom meeting at least 10 minutes before the meeting begins to ensure a proper connection and that your technology is working.
    a. If you are a Board Member, please log into CivicClerk with a computer, laptop, or tablet device.
3. Once you are in the meeting please mute yourself.
    a. You may unmute yourself when you are called upon to speak.
4. Waiting room
    a. When you call in or connect via web or Zoom app, you will be placed in a "waiting room."
    b. The meeting host will then admit you to the meeting, and mute you upon entrance (you will still be able to hear and or otherwise observe the meeting).
5. Registering
    a. The host may ask you to register for the meeting. A registration link will be sent to you along with the invite. You'll receive another email confirming that you're registered for the meeting.
    b. If you're using a phone, your registration will be tied to an email.
6. Raising your hand
    a. Committee/Commission/Board members—you can either use CivicClerk and request to speak or you can also utilize the "raise your hand" tool in the Zoom platform (you'd need to use a computer or tablet) to let the host know you would like to speak. You can also un-mute yourself and start speaking.
    b. Persons with items on the agenda or other interested parties —you can also utilize the "raise your hand" tool on the Zoom platform via computer or mobile device. You will be allowed to speak once the committee, commission, or board has moved to "open the floor for interested parties to speak." Once discussion on your agenda item has concluded, the host will mute you, unless the committee opens the floor again.
7. What devices should I use?
    a. Smart phone (please see more detailed instructions on page 3)
    b. Land line
    c. Tablet— in advance of the meeting, please download the Zoom Meeting app by using either the Apple Store or the Play Store. You will be asked to input your name, to identify you for the meeting.
    d. Computer— you can access the meeting through a web browser by clicking on the meeting link, or through the Zoom Meeting app. If using the app, please download it in advance of the meeting. You will be asked to input your name, to identify yourself for the meeting.
    e. For tablet and computer users--if you download the app you may be asked to verify your email.

8. Zoom etiquette
    a. Muting yourself when you're not speaking will prevent your background noise from interfering with others' ability to listen to and participate in the meeting.
    b. If you're using a telephone, please identify yourself with your phone number and state your name and address before you speak. Zoom meeting hosts can see only your telephone number and will ask you to identify yourself.
9. Closed session
    a. Persons in the Zoom meeting will be put into a waiting room while the committee/commission/board meets in Closed Session. Participants will be admitted back into the Zoom meeting once the committee reconvenes in Open Session.
    b. Persons watching a Common Council meeting live on YouTube will see a gray screen with the City logo during closed session.
10. Persons interested in attending anonymously or listening to the meeting may call in by dialing *67 followed by the phone number in the Zoom Meeting Information box.

Calling into the Zoom meeting using a smartphone

1. Dial the phone number listed at the beginning of this document.
2. When prompted, enter the Meeting ID number followed by **#**
3. Once you are in the meeting, notify the meeting host that you are in and state your name.
4. If you do not wish to speak, please make sure your phone is on **Mute**
    a. If you're using a smartphone, look at your screen and click the Mute button



Green Bay Energy Plan Update

Sustainability Commission Update

Maddie Koolbeck | Slipstream

January 18, 2023

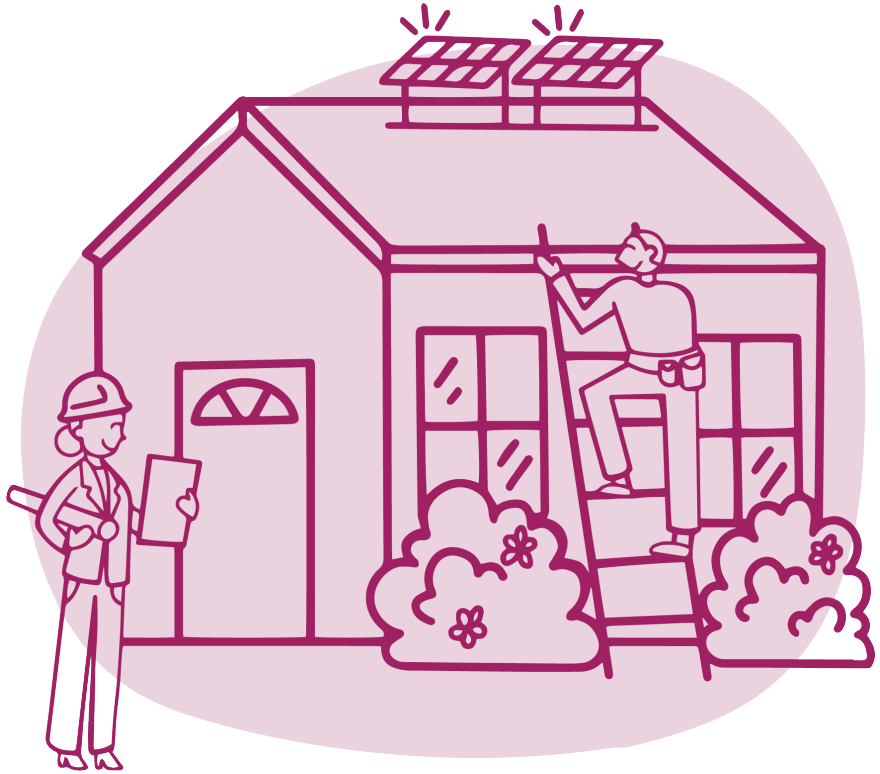
Agenda

Objectives

Tasks and timeline

Current Progress

Next Steps



Background

Office of Energy Innovation Grant

- Collaborated on grant to Office of Energy Innovation in January 2022
- Awarded grant in April 2022
- Contracting process completed in August 2022

Partners

- City of Green Bay
- Metro Transit
- Green Bay Water Utility
- Slipstream
- Support from: NWTC, UWGB, Sustainability Commission

Objectives

- Engage Green Bay community members and businesses
- Develop a community-wide 12-month **energy use baseline**
- Develop a roadmap with **10-15 energy strategies** for each partner
- Identify a set of **three to five policies** the city can adopt
- Create a plan for community educational efforts

Tasks

Task 1: Community outreach and feedback

- Surveys and virtual forums

Task 2: Baseline data compilation and analysis

- Community-wide data, compilation of data, demographic data review, audits

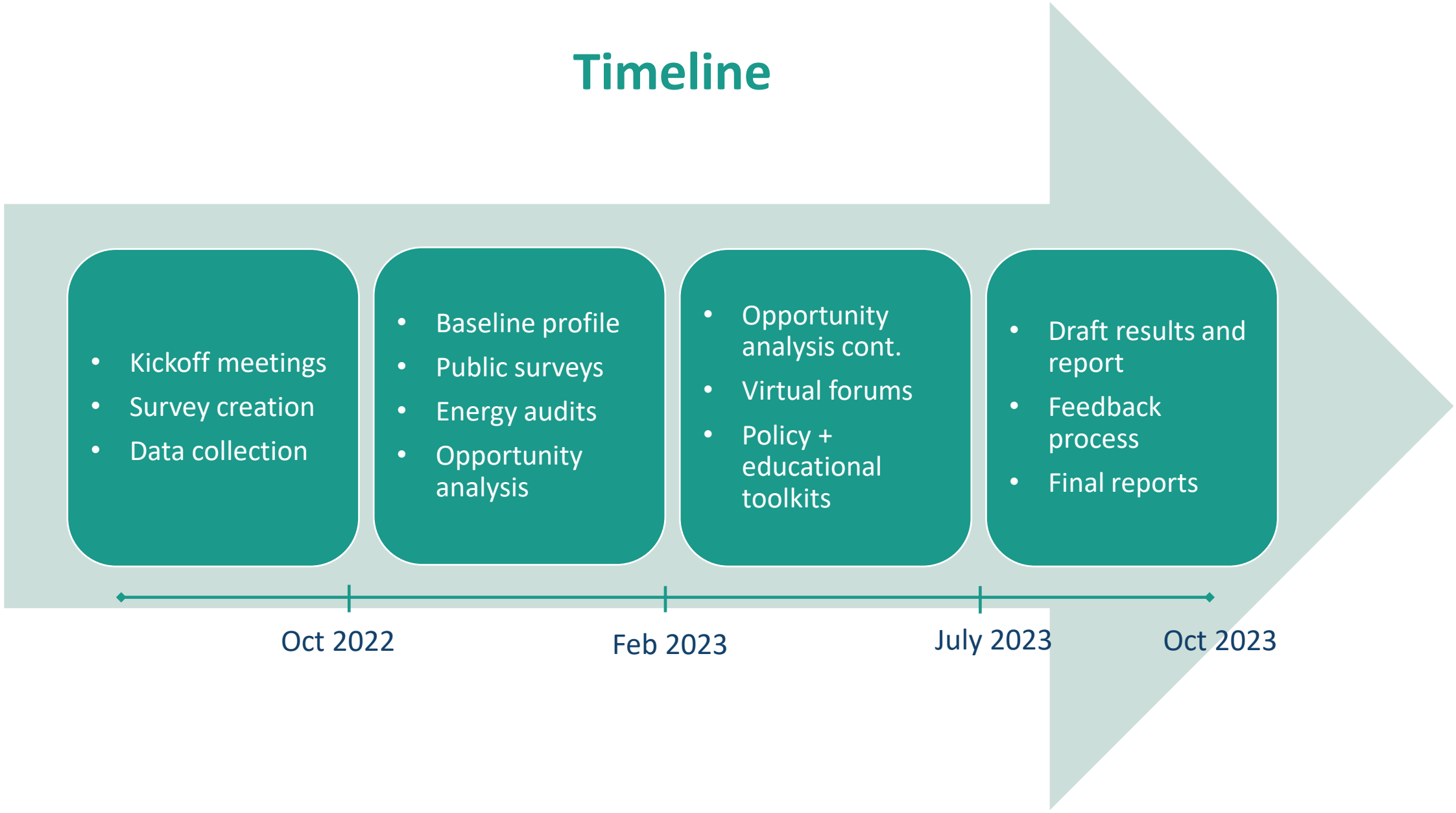
Task 3: Goal and opportunity development

- Energy efficiency, fleet, renewable energy opportunities
- Policy and educational toolkits

Task 4: Reporting

- Final report
- Fact sheets & webinar

Timeline


Kickoff meetings
Survey creation
Data collection
Baseline profile
Public surveys
Energy audits
Opportunity analysis
Opportunity analysis cont.
Virtual forums
Policy + educational toolkits
Draft results and report
Feedback process
Final reports
Oct 2022
Feb 2023
July 2023
Oct 2023

Detailed Task Overview

Task 1: Community engagement

Online community survey

Deploying now

Develop website as hub for project

Residential and business version (Spanish and English)

Virtual forums

In middle of project timeline

One session for businesses and one for residents

Task 1: Online community survey

Plan for deployment

- Mailing: to inactive neighborhood association
- Community organizations + libraries
- Neighborhood associations
- Business associations
- Universities
- Social media, Mayor video, Green Bay Website

Progress

- Survey launched last week; active outreach ongoing
- **Link:** https://greenbaywi.gov/EnergyPlan

Task 1: Online community survey

Ways you can help

- Take the survey!
- Share within your network – residents and businesses
- Potential in-person session at ADRC to help residents fill out surveys
- February 25 Brown County Central Library: Aldo Leopold Event

Task 2: Baseline data compilation

Plan

- Compile baseline energy profile and GHG inventory for entire community
  - Use 2018 as baseline
- Compile current energy use for each government partner
  - Use 2021/2022 baseline
  - Will be baseline to use when consider energy strategies
- Complete audits at selected buildings
- Provide information in terms of cost, carbon, and energy use

Progress

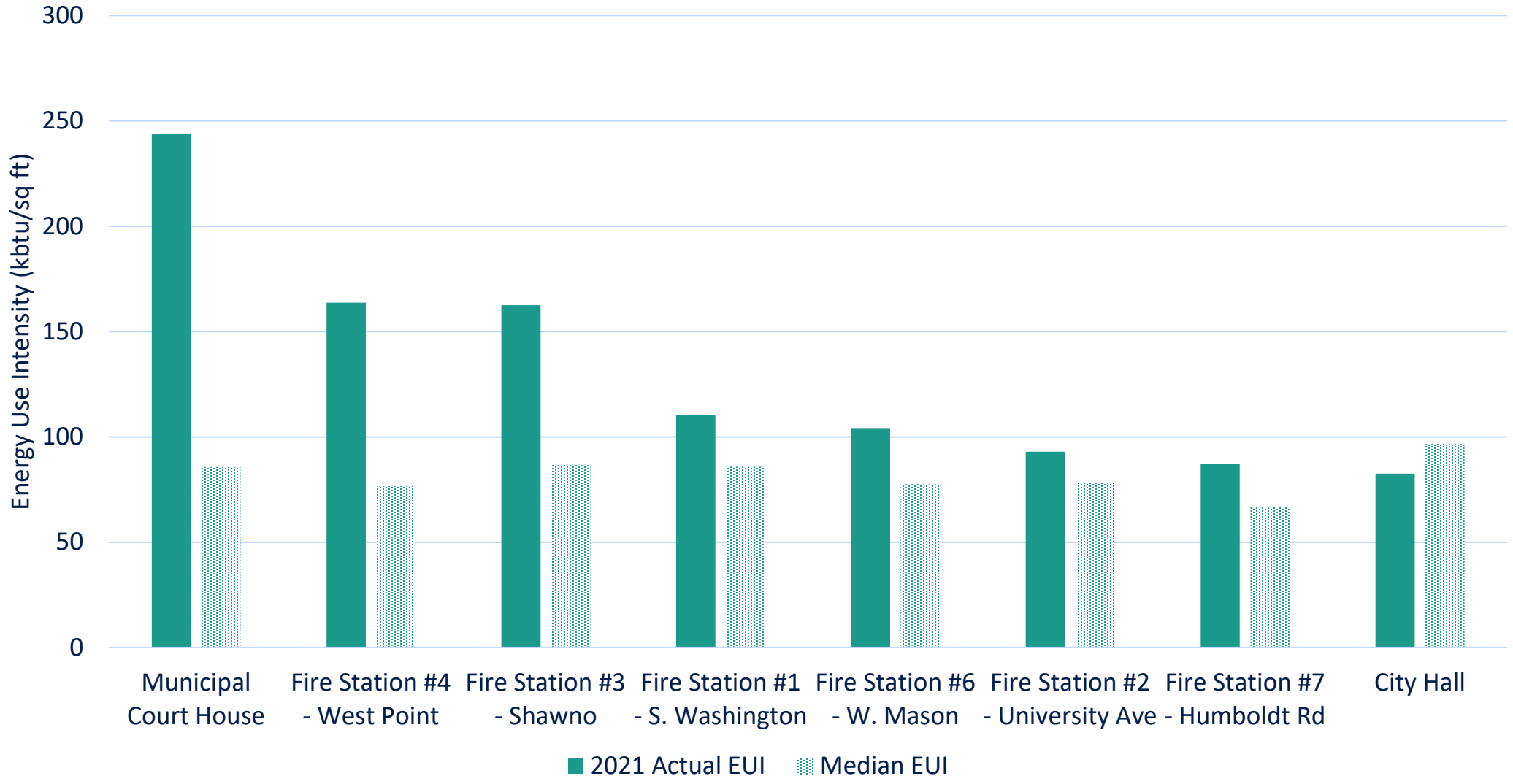
- Data across the partners collected and mostly organized (thanks to UWGB intern)
- Audits completed at 5 buildings and the filter plant
- Still waiting on community-wide data from WPS
- Plan to create user-friendly spreadsheet as next step

Draft Data Summary: Transit

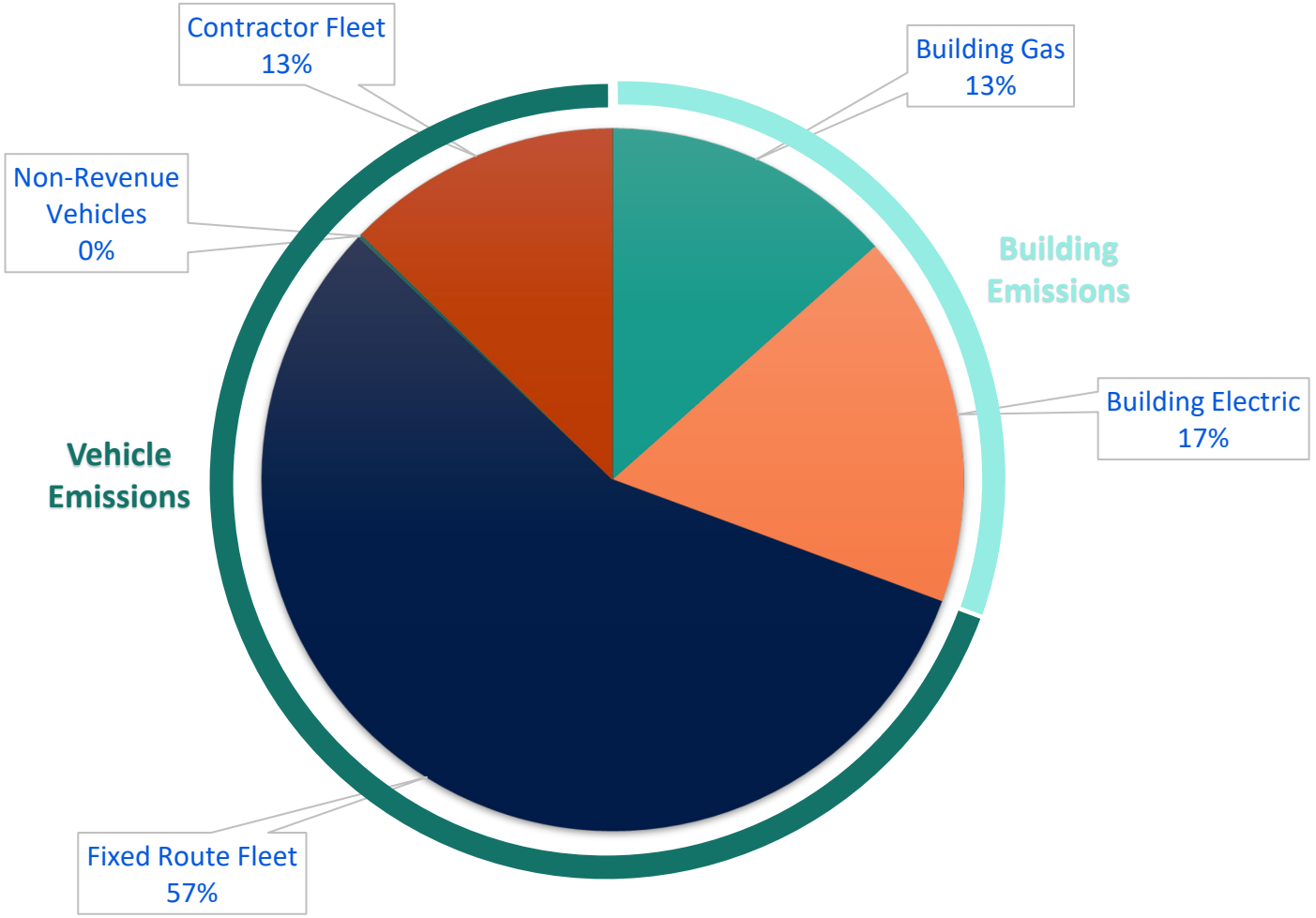
Vehicle Type	Gallons	Miles	Riders
FIXED ROUTE FLEET	154,415	829,034	654,513
NON-REVENUE FLEET	588	11,857	N/A
CONTRACTER FLEET	40,350	404,267	46,476

Vehicle Type	kg CO_2	kg CO_2/mile	kg CO_2/rider
ALL FIXED ROUTE	1,576,574	1.90	2.40
NON-REVENUE	5,607	0.47	
CONTRACTOR	354,277	0.88	7.62

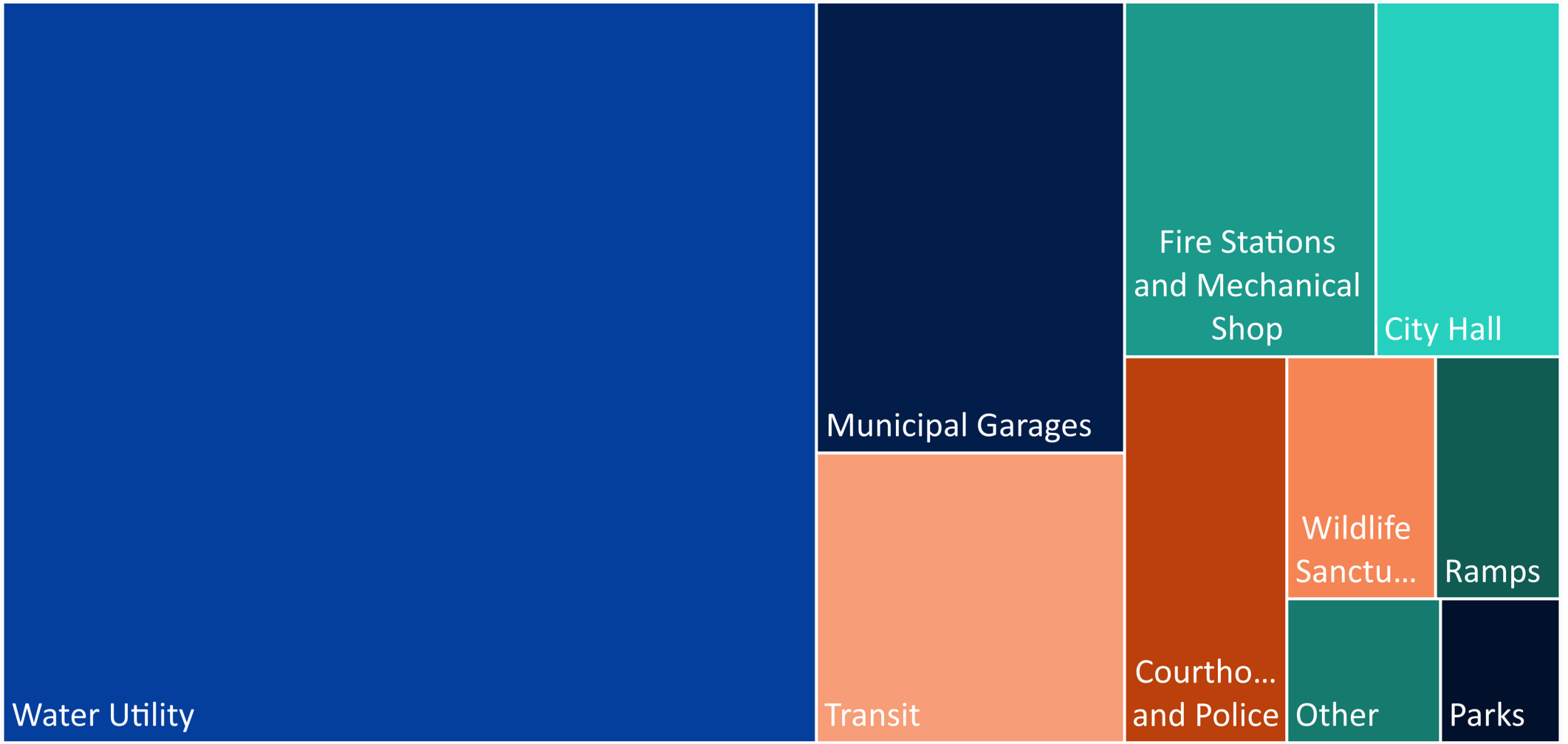
Draft Data Summary: Building Energy Use



Draft Data Summary: Transit Sources of Emissions



Draft Data Summary: Carbon Emissions by Department



Task 3: Opportunity analysis

Plan

- Internal operations opportunities
  - Energy efficiency
  - Fleet
  - Renewable energy opportunities
- Community-wide opportunities
  - Policy review
  - Educational toolkits

Progress

- Started initial analysis
- Next step is to work through this opportunity analysis in depth

Task 4: Reporting

Plan

- Final report for internal use
  - Baseline energy use, cost, and carbon
  - Percent reduction from implementation of recommended strategies
  - Chapter relevant to each partner (format to fit within internal processes for each partner)
- Fact sheets to share with community
- Webinar to share lessons learned

Next Steps

Next Steps

Community Outreach

- Complete survey outreach and analysis
- Plan for forums after initial results are gathered

Analysis

- Continue opportunity analysis in the next few months
- Present results occasionally to this group for feedback

Report to the
Sustainability Commission of the City of Green Bay

MEETING DATE

January 18, 2023

AGENDA ITEM # G.1

Work Group Updates

BACKGROUND

4 work groups: 1. Clean Energy, 2.Climate Resilience and Adaptation, 3. Healthy Habitat for All, 4.Waste Reduction

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Sustainability Commission of the City of Green Bay

MEETING DATE

January 18, 2023

AGENDA ITEM # G.2

Marketing & Outreach discussion led by Alder Mark Steuer and Kaurie Mihm.

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Sustainability Commission of the City of Green Bay

MEETING DATE

January 18, 2023

AGENDA ITEM # G.3

Earth Day is April 23. Is there interest in participating in a community event?

BACKGROUND

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

None

Report to the
Sustainability Commission of the City of Green Bay

MEETING DATE

January 18, 2023

AGENDA ITEM # G.4

Summary of approved text amendments from the Green Stormwater Infrastructure Code project.

BACKGROUND

Summary of approved text amendments from the GSI code audit.

RECOMMENDATION

FISCAL IMPACT

ATTACHMENTS

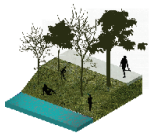
1. GSI Code Audit Summary of Text Amendment_Project Wrap-Up

Tackling Barriers to Green Infrastructure:
THE CITY OF GREEN BAY CODE CHANGES

GI ?

WHAT IS A GREEN INFRASTRUCTURE (GI) CODE AUDIT?

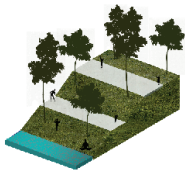
It is an approach municipalities use to audit, revise and prioritize codes that inhibit the use of green infrastructure.



WHY

DID THE CITY EXAMINE ITS CODES FOR GI?

Revising and adopting code recommendations sets the stage for greater use of GI, therby increasing resilience to environmental, social and economic challenges.



WHAT

ARE THE BENEFITS OF GI?

- *Protect private & public properties from flood hazards*
- *Improve water quality of local waterways*
- *Increase resiliency for changing climate patterns*
- *Improves community livability*
- *Long-term cost savings*

KEY

MUNICIPAL CODES EXAMINED:

Chapters 16, 24, 42, 44

- *Definitions*
- *Architectural Design Standards*
- *Landscaping Standards*
- *Parking*
- *Permeable Materials and Surfacing*
- *Pollutant Reduction Through Site Plan Review*
- *Post-Construction Stormwater Standards and Long-Term Maintenance*

For more information please contact:

- Community & Economic Development Department
  920.448.3407
  Chapter 44
- Public Works Department
  920.448.3040
  Chapters 16, 24 and 42

Click Link → Tackling Barriers to Green Infrastructure

City of Green Bay, Wisconsin
Green Infrastructure Codes Project
Summary of Text Amendments

CHAPTERS 16 (Environment) & 42 (Utilities) – RELATING TO STORMWATER MANAGEMENT** BMP=best management practice, SWM=stormwater management, GI=green infrastructure; ERU=equivalent runoff units		
Code Sections	**Areas**	**Key Text Amendments**
Sec. 16-79	General Definitions	Green infrastructure definitions added.
Sec. 16-81 (j)	BMP Location	Cisterns, Stormwater Planter Box added as onsite BMPs
Sec. 16-82	BMP Installation certification	Wisconsin-licensed landscape architect, arborist, or nursery professional shall certify vegetation planting and vegetation establishment one full growing season after planting.
Sec. 16-84	Maintenance Agreement	Establishment, verification, maintenance schedule for vegetated SWM, GI, and propriety SWM devices.
Sec. 42-203	Permeable Surfaces	Acceptable pervious surfaces to include approved permeable surfacing and green roofs - exempt from ERU calculation.
Sec. 42-203 (d)	Definitions	Definition for *permeable surfacing* added & *stormwater system* amended.
CHAPTER 24 – RELATING TO NOXIOUS WEEDS AND MAINTENANCE OF VEGETATION		
Code Sections	**Areas**	**Key Text Amendments**
Sec. 24-84	Planned Natural Landscapes	Improvements to the application & approval process; required registration; existing definitions improved, and *no mow lawn* added as acceptable vegetation in PNL.

CHAPTER 44 – ZONING*		
Code Sections	**Areas**	**Key Text Amendments**
Sec. 44 -249	General Definitions	Green infrastructure definitions added.
Sec. 44 - 358	Permitted Setback Encroachments	Cisterns, stormwater planter boxes & other rainwater harvesting added as a permitted setback encroachment.

Sec. 44 -1694	Surfacing	Permeable pavement and other surfacing systems meeting WI DNR Technical Standards are acceptable to meet the purposes of the section.
Sec. 44 - 1917	Pollutant reduction in service, loading, and storage areas	Standards for trash receptacles and dumpsters updated to address drainage & covers. Changes also apply to Parking Lot Alterations.
Sec. 44 - 1964	Perimeter Landscape Buffers	Increase buffer widths by at least 5 feet between uses to improve water quality and stormwater runoff management.
Sec. 44 - 1965	Interior parking lot landscaping for landscaping islands & medians	Islands 10' wide x 18' long. Medians 10' wide. Minimum soil depth of 3 ft. A minimum soil depth of 3'. Language added for soil volume and depths. Sod removed as acceptable ground cover.
Sec. 44- 1966	Perimeter parking lot landscaping	Perimeter of parking areas screened by a landscaped area at least 15' wide along each frontage of public street or sidewalk. Exception in Downtown One and Downtown Two zoning districts.
Sec. 44 - 1967	Building foundation Landscaping	Foundation plantings shall be installed across 80% of the length of the façade of the building. One tree/50 ft. May consist of trees planted in structural soils, permeable pavement. Language added for soil volume and depths.
Sec. 44 - 1968	Plant materials	Attempt to preserve existing trees with a diameter of 6" DBA or greater. Minimum of 50% area required to be landscaped shall be covered in live material.
Sec. 44 - 1968	Plant materials (cont'd)	Plants indigenous to WI shall comprise no less than two-thirds (2/3) of the proposed trees and sixty percent (60%) of proposed shrubs and shall be species proven adaptable to the climate and site conditions.
Sec. 44 - 1968	Plant materials (cont'd)	Where 20 or more trees are proposed, at least 3 species of tree shall be utilized. Where 30 or more shrubs are proposed,

		no single species of shrub shall be more than 1/3 of shrub plantings.
Sec. 44-1969	Maintenance & installation of landscape materials	Plantings under this ordinance shall be maintained perpetually and replaced if they die or are substantially weakened or damaged. If plantings succumb due to site conditions to which they are ill adapted, they shall be replaced with more culturally suitable species of the same type.

*Questions or comments relating to Chapter 44: david.buck@greenbaywi.gov; 920-448-3411

**Questions or comments relating to Chapter 16,24 & 42: melissa.schmitz@greenbaywi.gov; 920-448-3040