



**Winnetka Environmental and Forestry Commission
Notice of Regular Meeting
March 09, 2022**

The Winnetka Environmental and Forestry Commission will convene Wednesday, March 09, 2022 in the Village Council Chambers, 510 Green Bay Road, Winnetka, IL at 7:00 p.m.

Agenda

Call to Order

- 1) **Introduction & Chair's Remarks** Presenter Dowding
- 2) **Public Comment**
- 3) **Review and Approval of Minutes**
 - a. Approval of January 12, 2022 Regular Meeting Minutes Presenter Dowding
 - b. Approval of the February 09, 2022 Regular Meeting Minutes Presenter Dowding
- 4) **New Business/Old Business Updates**
 - a. Climate Action Plan for the Chicago Region Presentation Update Presenter Kunkle
 - b. 2040 Comprehensive Plan Presenter Dowding
 - i. Integration Climate Action Plan/CEJA w/ Winnetka Sustainability Chapter
 - ii. Additional Long Term Goals
 - iii. Recasting existing and additional 2040 Proposed Village Goals into format below
Goal Objective Action-Item Partners Funding Time-Frame
 - 1. Sustainability Coordinator
 - 2. Land
 - 3. Waste
 - c. Mayors Monarch Pledge Presenter Dowding
 - d. Sustainable Materials Management Presenter Kunkle
 - e. Senate Resolution 0706 (SR0706) – National Composting Week Presenter Kunkle
 - f. EFC Green Award Applications Presenter Puga
- 5) **Communications**
 - a. Approval of April Communication Items Presenter Puga
 - b. Discussion of May Communication Items Presenter Puga
- 6) **Committee/Staff Reports**
- 7) **Open Forum**
- 8) **Adjournment**

Posted Time and Date

NOTICE

All agenda materials are available at villageofwinnetka.org (***Government > Council Information > Agenda Packets & Minutes***); ***the Reference Desk at the Winnetka Library; or in the Manager's Office at Village Hall (2nd floor)***. The Village of Winnetka, in compliance with the Americans with Disabilities Act, requests that all persons with disabilities who require certain accommodations to allow them to observe and/or participate in this meeting or have questions about the accessibility of the meeting or facilities, contact the Village ADA Coordinator, at 510 Green Bay Road, Winnetka, Illinois 60093, 847-716-3543; T.D.D. 847-501-6041.

**WINNETKA ENVIRONMENTAL AND FORESTRY COMMISSION
REGULAR MEETING MINUTES
January 12, 2022**

A record of a legally convened meeting of the Environmental and Forestry Commission of the Village of Winnetka, which was held virtually via Zoom Wednesday, January 12, 2022, at 7:00 pm.

Call to Order:

Chairperson Dowding called the meeting to order at 7:03 p.m.; Voting Members present: Chairperson Chuck Dowding, Commissioners Roseann Park-Jones, Ted Wynnychenko, Liz Kunkle, and Patrick Hanley. Voting Members absent: Commissioners David Varca and Barry Sylvester. A quorum of presently appointed members was present. Village Council Representative present: Kim Mancini. Student Representatives present: none. Student Representatives absent: Scarlett Harper and Marcus Buccellato. Staff Representative present: Diana Puga, Public Works Analyst. Public present: none.

1) Introduction & Chair's Remarks:

Chairperson Dowding called the meeting to order at 7:03 p.m. and welcomed all Commission members and the public. Staff Representative Puga took roll call for attendance.

2) Public Comment:

President Chris Rintz was in attendance and provided several public comments. President Rintz informed the Commissioners he was attending the meeting as a check-in for the upcoming year, as he tries to do with each of the Commissions, Committees, or Boards. He commended the EFC for its work on the Sustainability Chapter for the 2040 Comprehensive Plan.

President Rintz discussed power generation, timelines, and relationship with IMEA. The agreement we currently have with IMEA to generate power at request dates to the mid 2000's. This is an important relationship and one we have been able to maximize because we own our facilities. He also explained that the Village took on a 25–30-year obligation and underwrote it with bonds and the debt runs through 2035 as does the agreement. He further explained that if we were to terminate relationship with IMEA, we would still be on the hook for the debt 2035.

President Rintz shared with the EFC that its role is to advise Village Council, the role of the EFC needs to be an advisory resource for the Council. He also informed the EFC of upcoming projects that Council will be relying on it to assist with, such as finding ways to fund initiatives and technical assistance.

Commissioner Kunkle inquired if it would be appropriate to host a study session with Village Council and give residents the opportunity to understand the complexity of the situation with

IMEA and power generation. President Rintz responded that it would not be the best venue, as the discussion would be more of a report of existing conditions than a policy discussion.

After a conversation with Water & Electric Director, Brian Keys, Trustee Liaison Mancini shared the following transcript:

“IMEA has taken action to address the Vistra contract ending on May 31, 2022. The agency has entered into agreement for 50 MW of non-carbon emitting generation from Exelon (4 year contract) and 50 MW of solar capacity from Prairie Wolf Solar project (5 year contract). The agency has also entered into a one year “transition” contract with Vistra. Vistra will be supplying power to the agency from the market.”

3) Review and Approval of Minutes:

a) Approval of the September Regular Meeting Minutes

Chairperson Dowding asked for a motion to approve the December 8, 2021, minutes. The motion was moved by Commissioner Wynnychenko and seconded by Commissioner Hanley.

AYES: PARK-JONES, WYNNYCHENKO, KUNKLE, HANLEY
ABSENT: VARCA, SYLVESTER
NAYS: NONE

4) New Business, Old Business/Updates:

a) Metropolitan Mayors Caucus Climate Action Plan (CAP)

i) Municipal Resolution Endorsing the 2021 CAP for the Chicago Region

Commissioner Kunkle presented the materials that have been prepared for the Chicago Action Plan (CAP) resolution that was slated to be discussed during the February 1st Village Council Meeting.

The presentation provides history on the progression from the Greenest Region Compact 2 (GRC2) the CAP. The presentation is broken down into three parts:

Part 1: Provides history and background on the GRC2 which was introduced in 2017, adopted by the Village Council in 2018 and directed the EFC on how to work through the framework. In 2019, the EFC reported results of the examination back to Council and recommended Council identify 3 out of the 10 focus areas as priority for the village to focus in and ultimately selected waste, water, and energy.

Part 2: In July 2021, the CAP was released which encompasses two goals: net zero greenhouse gas emissions (mitigation) and persistent, equitable climate adaptation (adaptation).

Part 3: The CAP is an updated framework of the GRC2 with suggested objectives and strategies and also demonstrates how the CAP reprioritizes the GRC2 focus areas.

The Commissioners provided some recommendations including limiting the amount of text included in each slide, providing more explanation on how we got from GRC to GRC2 to CAP – want the presentation to make council feel confident in their decision, and suggested the information be shared for the agenda packet in full but to have more concise slides during the presentation.

b) 2040 Comprehensive Plan

i) Integration Climate Action Plan/CEJA w/Winnetka Sustainability Chapter

ii) Additional Long-Term Goals

In the interest of time, the Commissioners agreed to table the discussion of additional long-term goals until the February meeting.

c) Sustainable Materials Management

i) Materials Management Advisory Committee Recommendations

No report or discussion

5) Communications:

a) Approval of January Communication Items

The Commissioners reviewed the Communication Items which include EFC Green Awards Application, Reducing Energy Use and Costs in your Home and Business, Switching from Incandescent to LED bulbs, Ways to Avoid Using Poisonous Mouse Bait. Chairperson Dowding asked for a motion to approve the January communication items which was moved by Commissioner Wynnychenko and seconded by Commissioner Park-Jones.

AYES: PARK-JONES, WYNNYCHENKO, KUNKLE, HANLEY

ABSENT: VARCA, SYLVESTER

NAYS: NONE

b) Discussion of February Communication Items

The Commissioners reviewed the January Communication Items which included the EFC Green Awards Application, EFC Tips: Think Before you Buy and Think Before you Pack.

6) Commission/Staff Reports:

Resolution introduced in the General Assembly that was introduced by Senator Laura Fine at Commissioner Kunkle's request that designates the first full week of May as Compost

Awareness Week – match a theme of International Composting Week and is an educational and awareness campaign around the benefits of composting. The resolution will be included in the February’s agenda for discussion.

7) **Open Forum:** None.

8) **Adjournment:**

There being no further business, Chairperson Dowding asked for a motion to adjourn which was moved by Commissioner Kunkle and seconded by Commissioner Hanley. The motion passed; the meeting adjourned at 9:06 pm.

DRAFT

**WINNETKA ENVIRONMENTAL AND FORESTRY COMMISSION
REGULAR MEETING MINUTES
February 9, 2022**

A record of a legally convened meeting of the Environmental and Forestry Commission of the Village of Winnetka, which was held virtually via Zoom Wednesday, February 9, 2022, at 7:00 pm.

Call to Order:

Chairperson Dowding called the meeting to order at 7:05 p.m.; Voting Members present: Chairperson Chuck Dowding, Commissioners David Varca, Ted Wynnychenko, Liz Kunkle, and Patrick Hanley. Voting Members absent: Commissioners Roseann Park-Jones. A quorum of presently appointed members was present. Village Council Representative absent: Kim Mancini. Student Representatives present: Scarlett Harper and Marcus Buccellato. Staff Representative present: Diana Puga, Public Works Analyst. Public present: one member.

1) Introduction & Chair's Remarks:

Chairperson Dowding called the meeting to order at 7:05 p.m. and welcomed all Commission members and the public. Staff Representative Puga took roll call for attendance. Chairperson Dowding reminded the EFC of a webinar opportunity President Rintz shared.

2) Public Comment:

The member of the public introduced himself as Brendan Andrew, a new resident in Winnetka who looks forward to getting involved.

3) Review and Approval of Minutes:

a) Approval of the January Regular Meeting Minutes

Commissioner Kunkle made a motion to table the approval of the January 10, 2022, minutes until the March 9, 2022, meeting. The motion was seconded by Commissioner Wynnychenko.

AYES: VARCA, WYNNYCHENKO, KUNKLE, HANLEY
ABSENT: PARK-JONES
NAYS: NONE

4) New Business, Old Business/Updates:

a) 2040 Comprehensive Plan

i) Integration Climate Action Plan/CEJA w/ Winnetka Sustainability Chapter

Currently no movement on this item, will re-visit during the March meeting.

ii) Additional Long-Term Goals

Commissioner Wynnychenko elected to focus and expand on land as the additional long-term goal. The Land goal's objective is to improve community access to the lakeshore and stabilizing bluffs and beaches and increasing enjoyment of Lake Michigan. Commissioner Wynnychenko identified the following action items: adopting ordinance barring false information signs along the lakeshore, supporting the Park District in constructing a boardwalk, installation of stairways by riparian owners, and overlooks at street ends. Other Land goals are to utilize the landfill property to full potential, redevelop underutilized properties, and install renewable energy resources on these properties. Commissioner Wynnychenko identified the installation of solar panels on elevated frames as an action item.

Chairperson Dowding elected to focus and expand on the Sustainability Coordinator as the additional long-term goal. He reviewed the need for a position to coordinate the Public Works and EFC webpages, manage the EFC, maintain and manage right of ways and tree maintenance, and more. Chairperson Dowding described how the position could be revenue neutral by requiring a registration fee to landscaper and applicators.

Commissioner Hanley provided some information on how the Village of Northbrook acquired a Sustainability Coordinator through AmeriCorps.

Chairperson Dowding requested the Commissioners reformat their long-term goals as goals, objective, action-item, partners, funding, and timeframe. The Commissioners also selected their long-term goals:

Commissioner Varca: Leadership

Commissioner Hanley: Water and Energy

Commissioner Kunkle: Waste

Student Representative Buccellato: Mobility

Student Representative Harper: Would like to take on a goal but would like to categorize them into the appropriate pillar after.

a) Metropolitan Mayors Caucus Climate Action Plan (CAP)

i) Municipal Resolution Endorsing the 2021 CAP for the Chicago Region

Commissioner Kunkle reviewed the slideshow that was going to be presented during the February 15, 2022, Council meeting.

The Commissioners had a discussion regarding the consequences of being unable to meet the goals identified in the resolution. The Commissioners clarified that they are committing to the principle of reducing the carbon footprint, the action items, and that this is a regional effort, not strictly for Winnetka as a community.

- b) Sustainable Materials Management
 - i) Materials Management Advisory Committee Recommendations
No report or discussion.

2) Communications:

a) Approval of February and March Communication Items

The Commissioners reviewed the Communication Items for February and March which include EFC Green Awards Application, EFC Green Tips: Think Before You Buy and Think Before You Pack, Coal Tar Sealant Reminder, Electronics Recycling Program Resuming, Spring Clean Up Week, EFC Tip: Use Your Car Less, Reduce Vehicle Idling, and Disposing of Food Waste Responsibly. Chairperson Dowding asked for a motion to approve the February and March communication items which was moved by Commissioner Wynnychenko and seconded by Commissioner Hanley.

AYES: VARCA, WYNNYCHENKO, KUNKLE, HANLEY
ABSENT: PARK-JONES
NAYS: NONE

b) Discussion of April Communication Items

The Commissioners reviewed the January Communication Items which included the Composting at the Village, the Phosphorous Ordinance, and Earth and Arbor Day. Commissioner Wynnychenko also suggested including the Pyrethroid Pesticide communication in April.

3) Commission/Staff Reports:

Staff Liaison Puga inquired if the Commissioners were interested in asking Council to consider adopting a resolution for the Mayors Monarch Butterfly Pledge.

4) Open Forum: None.

5) Adjournment:

There being no further business, Chairperson Dowding asked for a motion to adjourn which was moved by Commissioner Kunkle and seconded by Commissioner Hanley. The motion passed; the meeting adjourned at 8:34 pm.

RESOLUTION NO. R-8-2022

**A RESOLUTION ENDORSING THE
2021 CLIMATE ACTION PLAN FOR THE CHICAGO REGION**

WHEREAS, the Village of Winnetka (“*Village*”) is a home rule municipality in accordance with Article VII, Section 6 of the Constitution of the State of Illinois of 1970; and

WHEREAS, the Village is a member of the Metropolitan Mayors Caucus (“*MMC*”), a forum for the chief elected officials in the Chicago region to develop consensus and act on common public policy issues and multi-jurisdictional challenges; and

WHEREAS, on July 13, 2021, the MMC launched the 2021 Climate Action Plan for the Chicago Region (“*CAP*”) in partnership with the National Oceanic and Atmospheric Administration and the Global Covenant of Mayors for Climate and Energy, and with support from the European Union, the Chicago Metropolitan Agency for Planning, and the Metropolitan Planning Council; and

WHEREAS, on August 9, 2021, the Intergovernmental Panel on Climate Change issued the Sixth Assessment Report, authored by 234 scientists from 66 countries, containing dire warnings about the state of the planet and showing that human actions have the potential to determine the future of climate change; and

WHEREAS, more than 250 individuals from 175 stakeholder organizations, including 53 municipalities throughout Northeastern Illinois, invested two years of work through in-person and virtual collaboration to develop CAP as a comprehensive, municipally-focused and regionally impactful climate action plan that is anchored in equity with the well-being of people at its core; and

WHEREAS, the CAP invites collaboration from all regional, state, and federal agencies and the private sector; and

WHEREAS, the CAP, as adapted by the Village Environmental & Forestry Commission (“*EFC*”), identifies the following goals and objectives for municipalities like the Village to take to reduce greenhouse gas emissions and develop resiliency to climate-related hazards that threaten the community, human and economic health, and the natural environment (collectively, the “*CAP Goals*”):

CLIMATE MITIGATION GOAL: Net zero greenhouse gas emissions

MITIGATION TARGETS:

By 2030 Reduce GHG emissions 50% from 2005 levels

By 2040 Reduce GHG emissions 65% from 2005 levels

By 2050 Reduce GHG emissions at least 80% from 2005 levels

MITIGATION OBJECTIVES:

1. Demonstrate Leadership to Reduce Emissions.
2. Decarbonize Energy Sources.

3. Optimize Building Energy.
4. Implement Clean Energy Policies.
5. Decarbonize Transportation.
6. Reduce Vehicle Miles Traveled.
7. Manage Water and Waste Sustainably.
8. Sustain Ecosystems to Sequester Carbon.

CLIMATE ADAPTATION GOAL: Persistent, equitable climate adaptation

ADAPTATION TARGETS

By 2030 Climate-resilient governance

By 2040 Resilience across jurisdictions

By 2050 Cohesive, resilient communities

ADAPTATION OBJECTIVES

1. Engage and educate the community about climate resilience and adaptation.
2. Incorporate equity and inclusion into climate adaptation efforts.
3. Collaborate and build capacity for a more resilient community.
4. Enact plans and policies focused on adaptation and resilience.
5. Adapt operations and investments for future climate conditions; and

WHEREAS, the EFC recommends that the Village Council endorse the CAP; and

NOW, THEREFORE, BE IT RESOLVED, by the Council of the Village of Winnetka, Cook County, Illinois, as follows:

SECTION 1: RECITALS. The Village Council hereby adopts the foregoing recitals as its findings, as if fully set forth herein.

SECTION 2: ENDORSEMENT OF THE CAP. The Village Council hereby endorses the CAP proposed by the MMC, expresses its support for the CAP Goals as outlined in this Resolution, and agrees to work to achieve the CAP Goals both in the Village and in collaboration throughout the region.

[SIGNATURE PAGE FOLLOWS]

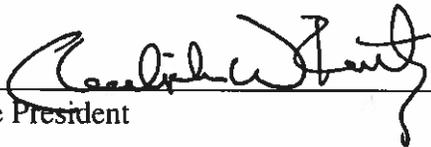
ADOPTED this February 15, 2022, pursuant to the following roll call vote:

AYES: Trustees Apatoff, Cripe, Dalman, Dearborn, Mancini, and Swierk

NAYS: _____

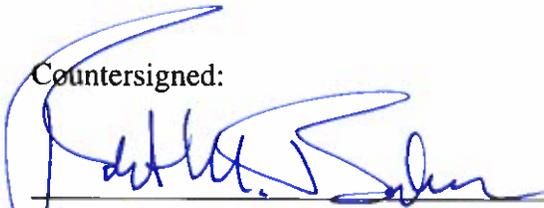
ABSENT: _____

Signed



Village President

Countersigned:



Village Clerk

February 17, 2022

To: Plan Commission

From: The Lakota Team

Winnetka Comp Plan – *Winnetka Futures 2040 – Our Heritage Forward*
Draft Vision Statements and Comp Plan Structure

Draft Comp Plan Structure Example

A. Comp Plan Report Structure

- a. Acknowledgments
- b. Previous Planning Documents
- c. Table of Contents
- d. Introduction and Background
- e. Community Voice
- f. Comprehensive plan
 - i. Community Vision Statement
 - 1. Plan Vision and Policies
 - ii. Plan Values and Principals - Pillars
 - iii. Current and Future Land Use Strategy
 - iv. ***Community Planning Pillars - Chapters***
 - 1. ***Quality, Livable Neighborhoods***
 - 2. ***Vibrant Business Districts***
 - 3. ***Community Heritage and Placemaking***
 - 4. ***Sustainability and Climate Action***
 - 5. ***Educational Excellence***
 - 6. ***Healthy and Engaging Lifestyles***
 - 7. ***Community Infrastructure, Services and Technology***
 - 8. ***Mobility and Accessibility***
 - 9. ***Civic Engagement***
 - 10. ***Operational Efficiencies and Regional Coordination***
- g. Implementation
- h. Comp Plan Community “notebook” – executive form

Comprehensive Plan Vision Statement

DRAFT VISION STATEMENT – Preferred option was A2

“Winnetka, the “Beautiful Land,” is a treasured North Shore lakefront village with easy access to the Chicago metropolitan center. Our community is committed to the stewardship of all its natural and manmade resources and to its family-friendly heritage of:

- *Pedestrian-friendly, safe, and tree-lined neighborhoods.*
- *Housing for all stages of one’s life.*
- *Vibrant and walkable core areas for commerce and community gathering.*
- *Active and engaged multigenerational citizenry.*
- *Primary and secondary school educational excellence.*

Pillar 1: Quality Livable Neighborhoods

“A community of connected neighborhoods with safe, pedestrian-oriented streets, tree-lined parkways and a variety of well-maintained housing offerings to meet the needs of all of its residents, all of which create a unique and powerful sense of place.”

Pillar 2: Vibrant Business Districts

“A community with a strong commitment of supporting and enhancing its unique, walkable mixed-use business districts, which serve both as the community’s commercial core and its social centers.”

Pillar 3: Community Heritage and Placemaking

“Winnetka’s authentic heritage can be found in its walkable streets, its rich tapestry of commercial and residential architecture, and in its cultural activities.”

Pillar 4: Sustainability and Climate Action

“A forward-looking community with a strong heritage of innovation and commitment to stewardship of our natural environment and manmade resources.”

Pillar 5: Educational Excellence

*“A community with a strong heritage rooted in education that honors the whole child, fosters creativity **and confidence**, inspires lifelong learning, and develops civic responsibility.”*

Pillar 6: Healthy and Engaging Lifestyles

Note: Combined Parks and Recreation and Healthy and Engaging Lifestyles, added Arts and Culture into this.

*“A unique lakefront community that values a variety of carefully managed and well connected parks and open spaces and that treasures unlimited access to **recreational** opportunities and **cultural** pursuits **to help** residents achieve a balanced and fulfilled lifestyle.”*

Pillar 7: Community **Infrastructure, Services, and Technology**

“A forward-thinking tradition of delivering exceptional and efficient public services and infrastructure systems to meet the current and future needs of the community.”

Pillar 8: Mobility **and Accessibility**

*“A progressive community with forethought in developing a safe and efficient local and regional mobility connectedness **for all** through public transportation, regional trails and pedestrian and bike friendly neighborhood street networks.”*

Pillar 9: Civic Engagement

*“A community heritage founded **on** the fundamental principle of fostering beneficial public dialogue through active **community** engagement and volunteerism.”*

Pillar 10: Operational Efficiencies and Regional Coordination

Note: Combined Operational Efficiencies and Regional Coordination

*“A community with a strong heritage of thought-leadership supporting and enhancing our **local and regional** intergovernmental relationships to ensure efficient, prudent community management through data-supported planning, organizational synergies and effective communication.”*

February 17, 2022 (WORKING DRAFT FOR COMMISSION REVIEW)

Comprehensive Plan Vision Pillars
Goals and Initiatives Development Working Draft

Group 1 - 2.23.22 PC Working Group

Pillar 7: Community Infrastructure, Services, and Technology

“A forward-thinking tradition of delivering exceptional and efficient public services and infrastructure systems to meet the current and future needs of the community.”

Items highlighted in yellow below come from EFC/GRC2 goals. The idea is to incorporate these sustainability initiatives throughout the different pillars.

GOAL 1 – The Village will ensure infrastructure systems and services are evaluated, updated, and modernized to meet the needs of current and future residents.

Initiatives:

- 1.1 Continue ongoing condition/risk assessments of all Village managed utilities including stormwater, water, sewer, and electric infrastructure to identify and prioritize required infrastructure updates or modernization.
- 1.2 Continue to annually update the Village’s Five-Year Capital Improvement Program to guide funding, scheduling, and implementation of improvements to Village managed utility infrastructure systems.
- 1.3 Ensure municipal finance practices and purchasing policies are consistent with sustainability and reinvest cost savings into sustainability initiatives.
- 1.4 Audit, benchmark, and track energy usage in Village facilities, and promote energy audits and retro commissioning studies.
- 1.5 Where feasible and economical, adopt energy efficiency measures, procure or install renewable energy resources for Village facilities, and develop renewable energy resources on underutilized Village properties.

GOAL 2 – The Village will adequately fund essential public works services and water, sewer, and electric utility systems to keep up with evolving regulations, and changes in demand, as well as technology.

Initiatives:

- 2.1 Continue to maintain a database of potential infrastructure funding options and schedules for applications to help in identifying funding resources.
- 2.2 Determine funding sources and options for essential public works services and water, sewer, and electric utility systems, and changes in technology.
- 2.3 Evaluate opportunities to migrate fleet to alternative fuel vehicles.
- 2.4 Track, analyze, and manage data to advance sustainability.

GOAL 3 – The Village will continue to update the community stormwater management systems, implementing both constructed and green infrastructure solutions, to alleviate flood risk and improve stormwater runoff quality.

Initiatives:

- 3.1 Continue implementation of the Stormwater Management Plan for West and Southwest Winnetka based on the *Stormwater Alternatives Study for Western and Southwestern Winnetka*.
- 3.2 Develop a Stormwater Management Plan for Eastern Winnetka.
- 3.3 Consider changes to the Village’s stormwater management policies and regulations to require or encourage stormwater best management practices such as rain barrels, permeable pavement, rain gardens, natural landscaping, and bioswales and bio-retention basins.
- 3.4 Evaluate the effectiveness of existing floodplain and stormwater management regulations for development and consider modifications to improve effectiveness.
- 3.5 Protect surface and groundwater from runoff and contamination, support post-development runoff reduction and mitigation and encourage residents and businesses to address flood risks on their property.

GOAL 4 - The Village will continue to strive to improve water quality in its natural systems of lakefront, bluffs, rivers, creeks, ponds, channels, and wetlands to enhance the natural environment and overall community quality of life.

Initiatives:

- 4.1 Set guidelines and standards for water quality that are measurable.
- 4.2 Annually test water quality in natural systems against measurable standards.
- 4.3 Evaluate local construction techniques and assess best management practices for protection of water quality from damage due to stormwater runoff from active construction sites.

GOAL 5 - The Village will provide a reliable and safe water source through cost-effective intake, treatment, and distribution of Lake Michigan's water resource.

Initiatives:

- 5.1 Perform a condition/risk assessment of Water Treatment Plant equipment and facilities to identify and prioritize short- and long-term facility needs.
- 5.2 Determine viability and appropriateness of an elevated tank to sustain pressures in the distribution system.
- 5.3 Update the water distribution system study with condition/risk assessment information and continue a prioritized replacement of water main with a goal of annually replacing a minimum of 1% of the water distribution system.
- 5.4 Anticipate the growing cost of providing water, including chemicals, equipment, and labor and include these costs in the utility Capital Improvement Program, while also tracking and forecasting long-term expense escalations.
- 5.5 Address and manage water quality issues and future regulations as they are developed through USEPA and IEPA.
- 5.6 Implement the installation of Advanced Metering Infrastructure (AMI) "smart meters" to increase accuracy of measuring customer consumption and provide customers with increased awareness to potential water leaks in their system.
- 5.7 Reduce community water consumption by implementing water efficiency measures in Village operations and encouraging residents and businesses to identify and mitigate water losses, and in the long term reduce Winnetka's water consumption.
- 5.8 Replace lead service lines over time, minimizing lead exposure in drinking water.

GOAL 6 – The Village will provide a reliable and cost-effective sanitary sewer system maintenance, management, and operate a plan in conformance with the Metropolitan Water and Reclamation District of Chicago (MWRD), Watershed Management Ordinance (WMO).

Initiatives:

6.1 Completion of sanitary sewer televising, smoke testing, manhole rehabilitation and relining program.

Complete - example of completed or near completed initiative.

6.2 Continue implementation of a long-term management program based on the WMO for reducing inflow and infiltration into the sanitary sewer system due to sanitary sewer system deficiencies.

6.3 Develop a private-sector program based on the WMO for reducing infiltration and inflow into the sanitary sewer system due to private sources such as deficiencies in sanitary sewer laterals and non-sanitary connections.

6.4 Reduce beach closures due to pollution.

GOAL 7 – The Village will continue to operate and maintain a cost-effective and efficient electrical distribution system.

Initiatives:

7.1 Continue to incorporate radial distribution circuits into looped circuits to improve electric supply reliability to facilities currently served by radial circuits.

7.2 Expand the current electrical infrastructure replacement program to improve electric supply reliability.

7.3 Continue conversations with AT&T regarding joint utility pole ownership to allow for a plan to bury existing overhead utilities.

7.4 Review and set Village direction and discussion regarding upcoming IMEA agreement termination and fiscal impact of aging electrical generation system reinvestment options.

7.5 Implement the installation of Advanced Metering Infrastructure (AMI) “smart meters” to improve operation of electric distribution system and create the ability to provide customers with additional information for the management of their energy consumption.

7.6 To complement the Village’s installation of energy efficient LED street lighting, work with

IDOT and residents on private roads to develop plans to install LED lighting on state owned roadways and on private streets.

7.7 Continue to evaluate and convert existing underground transformer vaults to pad mount transformers designs to improve system operations and safety.

GOAL 8 – The Village will regularly assess, maintain, and improve Village roadways, parking facilities, accessibility, sidewalks, and bike facilities.

Initiatives:

8.1 Continue to perform a roadway inventory and condition assessment of all Village roadways on a regular cycle to identify and prioritize required roadway maintenance and improvement needs.

8.2 Develop a Roadway Improvement Program to guide funding, schedule, and implementation of improvements to Village roadways.

8.3 Update the Village-wide-accessibility plan and consider new accessibility initiatives based upon legal requirements and best practices.

8.4 Implement pedestrian safety and crossing improvements at signalized intersections along the Green Bay Road corridor, in collaboration with IDOT, as part of on-going roadrepair, or new streetscape and utility projects

8.5 Invest in projects that further a network of on- and off-street bike facilities to enhance east-west connections to the Green Bay Trail as well as other destinations such as the Skokie Lagoons and the lakefront.

GOAL 9 – The Village will identify and support the incorporation of new technologies to assist infrastructure and public safety systems efficiencies, cost effectiveness and advanced community communications or fiber optic.

Initiatives:

9.1 Collaboratively work with telecommunication service providers to ensure Winnetka residents and businesses have access to the most current and reliable wireless and wired telecommunication services.

9.2 Develop a robust community broadband and wireless infrastructure.

GOAL 10 – The Village will continue to strive to meet the highest standards of providing essential public safety and community protection for its residents, businesses, and institutions.

Initiatives:

10.1 - Design and develop a new public safety camera system infrastructure to improve public safety response in high visibility and high traffic locations such as the business districts and along Green Bay Trail.

10.2 Establish requirements for effective public safety radio transmissions to ensure any remodeled or new commercial structure shall be designed and possess infrastructure that allows public safety radio communications within any part of the structure.

GOAL 11 - The Village will provide a waste and recycling system that encourages community members to reduce the amount of waste they generate and to recycle or reuse generated waste.

11.1 Consider impacts of the limited remaining lifespan of the SWANCC waste landfills.

11.2 Consider expanding the Village modified Pay-As-You-Throw waste and recycling program.

11.3 Continue working to make public events Zero Waste.

11.4 Support and incentivize expansion of existing services to include food scrap composting, commercial & multi-family recycling, and discouraging the use of unrecyclable products (e.g., plastic bags).

11.5 Continue to educate residents on refuse and recycling to reduce waste and to use unrecyclable products.

GOAL 12 - The Village will provide development and building services and regulations that encourage the preservation and enhancement of existing structures while at the same time allowing for the context-sensitive redevelopment of residential and commercial properties.

12.1 Evaluate incorporating more green building construction standards into the Village's regulations and apply to all new and retrofit projects to the extent possible.

12.2 Review Village rules and procedures to identify and address any that disincentivize the renovation of existing homes in favor of teardowns and the construction of new homes.

12.3 Consider adoption of rules and regulations that will further encourage the use, when

appropriate, of on-site energy generation such as solar, wind, and geothermal.

12.4 Require any multifamily or mixed use development projects of certain size to provide EV charging stations as part of their development.

PILLAR 10: Operational Efficiencies and Regional Coordination

(Note: Combined Operational Efficiencies and Regional Coordination)

“A community with a strong heritage of thought-leadership supporting and enhancing our (local and regional) intergovernmental relationships to ensure efficient, prudent community management through data-supported planning, organizational synergies and effective communication.”

GOAL 1 - The Village will manage an efficient and an effective public review and entitlement process that provides clarity and predictability to both public and private reinvestment in the community.

Initiatives

- 1.1 Engage the Zoning Board of Appeals and the Plan Commission to consider recommending changes to the zoning and subdivision entitlement regulations and processes to make them as clear and understandable for residential and commercial applicants as well as for the impacted residents and businesses that will participate in the processes.
- 1.2 Engage the Design Review Board to consider recommending streamlining the multi-family, commercial, and institutional design review process while still ensuring that compatible design is achieved.
- 1.3 Include Environment and Forestry Commission (EFC) representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under EFC's purview.

GOAL 2 - Whenever operationally efficient and fiscally effective, the Village will deliver exceptional public services through shared intergovernmental or regional cooperation and synergies.

Initiatives:

- 2.1 Continue to maintain a single, integrated, five-year capital improvement program (CIP) for all Village facilities, equipment, and infrastructure, which program identifies how each project helps achieve of the mission and goals of the Comprehensive Plan.
- 2.2 Continue the practice of communication among local taxing jurisdictions (District 36, Park District, Village), to inform and coordinate on infrastructure and facility improvements.
- 2.3 Create and continue to maintain a facilities master plan.
- 2.4 Coordinate the utility infrastructure Capital Improvement Program with the Village's

Roadway Improvement Program for efficient and effective programming of improvements under both programs.

2.5 Establish or strengthen an inter- and intra-entity Green Team.

2.6 Partner with federal, regional, state, other local governments, and other entities to undertake initiatives that promote energy efficiency, sustainability, and climate action.

GOAL 3 – The Village (governance and management) will effectively evaluate, educate, and communicate changing and current community issues to its residents, businesses, and institutions.

Initiatives:

3.1 When appropriate engage community service organizations into local issues and help create community.

GOAL 4 – Winnetka will evaluate opportunities to approach municipal operations with effective sustainability measures, addressing current and future climate concerns.

4.1 Measure emissions from Village operations to develop a GHG emissions reduction target for those operations, followed by monitoring to validate/optimize.

4.2 Adopt policies that reduce Village-wide carbon emissions for all Village buildings and facilities.

4.3 Apply best management practices to all Village projects, to the extent possible.

4.4 Reduce energy usage of municipal operations through municipal and community means by reduction of single occupancy vehicle use, reduction of dependence on gaspowered tools and incorporating green building measures.

PILLAR 4: Sustainability and Climate Action

“A forward-looking community with a strong heritage of innovation and commitment to stewardship of our natural environment and manmade resources.”

GOAL 1 – The Village will establish a community framework for Sustainability with the adoption and implementation of an achievable Sustainability Action Plan that will complement and further advance the sustainability goals and initiatives of the Comprehensive Plan.

Initiatives:

- 1.1 The Sustainability Action Plan (“SAP”) will address at a minimum the following areas in terms of sustainability: Climate, Economic Development, Energy, Land, Leadership, Mobility, Municipal Operations, Sustainable Communities, Waste & Recycling, and Water.
- 1.2 The SAP will identify resources necessary to achieve the SAP’s goals and initiatives.
- 1.3 Consider expanding the role of the Environment and Forestry Commission to advise the Village Council on all matters related to the environment, sustainability, forestry and other natural resources. Consider changes to the Village Code establishing the EFC and its roles, as well as evaluating its name, member composition and the like.

GOAL 2 – The Village will evaluate and consider appropriate public resources to guide, manage and educate the residents on the value of the Sustainability Action Plan.

- 2.1 Evaluate what will be the appropriate staffing for community sustainability initiatives either through dedicated staff resources, on-call consultant, or a Sustainability team as a shared responsibility.
- 2.2 Implement sustainable practices within residential neighborhoods to the extent possible.

GOAL 3 - The Village will identify opportunities with community businesses and institutions to incorporate sustainability into their on-going operations and planning.

- 3.1 Partner with the Winnetka-Northfield-Glencoe Chamber of Commerce and other Winnetka business organizations to assist businesses with finding technical and financial resources to assist them with operating their businesses in a more sustainable manner.

GOAL 4 - The Village will develop local and regional partnerships with other organizations to leverage and share information on sustainable initiatives, shared resources, technical assistance, and tools for broader community engagement.

- 4.1 Continue to endorse and support the goals of regional sustainability plans such as the Metropolitan Mayors Caucus' Greenest Region Compact 2 ("GRC2") and the Metropolitan Mayors Caucus 2021 Climate Action Plan for the Chicago Region ("CAP").
- 4.2 Partner with the school districts, Park District and other local agencies to reduce GHG emissions and to address other sustainability initiatives.

From EFC/GRC Goals

While the **Sustainability** pillar encompasses high-level climate change initiatives, the majority of the EFC/GRC short- and long-term goals have been incorporated into the remaining pillars of the Winnetka Futures Comprehensive Plan. This approach ensures that sustainability-related strategies continue to be a core component of the various Village initiatives and overall goals.

Land - These should go under Land Use and Healthy Lifestyles

Encourage strategic development that incorporates sustainability principles, conserve, restore and enhance natural features and ecosystems, and ensure accessibility to and use of parks and other outdoor space.

Long-term goals include:

- » Stabilize bluffs and beaches on Village property and encourage property owners to better manage private lakefront to increase enjoyment of Lake Michigan.
- » Development landfill into property that can be utilized by the Village as permissible by state regulations.
- » **Promote use of harvested (gray) water for landscape purposes.**

Short term goals include:

- » Redevelop underutilized or contaminated properties
- » Prioritize redevelopment that supports transit-oriented locations and uses.
- » Adopt guidelines for future development that encourage management and conservation of natural resources, topography, views, drainage patterns, ecosystems, and historic/cultural assets.
- » Maximize public spaces and parks accessible to residents.

Mobility – These should go under Mobility

Support diverse, safe, and efficient transportation that uses resources wisely.

Long term goal:

- » Develop safe, east-west bikeways to connect to downtown areas, Green Bay Trail, train stations and schools.

Short term goals include:

- » Review existing bicycle and pedestrian plans, then propose recommendations for implementation by the Village.
- » Incorporate sustainable roadways into capital improvement planning, and proactively plan for major transportation infrastructure improvements.
- » Collaborate to provide alternative fuel infrastructure at public sites, and to support a network of alternate fueling infrastructure elsewhere.
- » **Install EV Vehicle charging stations at all Village public parking lots and Village owned facilities, and work with other local governmental entities (e.g. Park District & School) to facilitate installation of EV vehicle charging**

station(s) in their public parking lots.

Sustainable Communities - These should go under Community Heritage and Regional Partnerships

Cultivate community values and principles that are welcoming, inclusive, and equitable, and that promote a sustainable identity for the Village.

Short term goals include:

- » Cultivate and preserve a welcoming and inclusive community character. Promote third party certification for sustainable private facilities.
- » Establish or strengthen an inter- and intra-entity Green Team.

Water - These should go under Infrastructure

Use and distribute water efficiently, equitably, and sustainably, protect and improve water quality, and optimize the use of natural and built systems to manage stormwater.

Long term goals include:

- » Reduce Winnetka's water consumption.
- » Reduce beach closures due to pollution.
- » Manage water infrastructure to ensure water quality and efficiency.
- » Replace lead service lines over time, minimizing lead exposure in drinking water.

Short term goals include:

- » Reduce community water consumption by implementing water efficiency measures in Village operations and encouraging residents and businesses to identify and mitigate water losses.
- » Protect surface and groundwater from runoff and contamination, support post-development runoff reduction and mitigation and encourage residents and businesses to address flood risks on their property.

Energy - These should go under Regional Partnerships or Livable Neighborhoods

Adopt policies that promote energy efficiency, reduced energy usage, use of renewables, and engage the Village community in clean energy practices.

Long term goals include:

- » Begin planning for extension or transition regarding Winnetka's local electric power plant within the next 10 to 15 years.

Short term goals include:

- » Audit, benchmark, and track energy usage in Village facilities, and promote energy audits and retro commissioning studies.
- » Where feasible and economical, adopt energy efficiency measures, procure or

install renewable energy resources for Village facilities, and develop renewable energy resources on underutilized Village properties.

» Support the adoption of renewable energy technologies that expand economic development opportunities or access to alternative energy options.

Leadership - These should go under Regional Partnerships

Collaborate to achieve a more sustainable Village and region.

Long term goal include:

» Include WEFC representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under WEFC's

Short term goals include:

» Partner with federal, regional, state, other local governments, and other entities to undertake initiatives that promote energy efficiency, sustainability, and climate action.

Municipal Operations – These should go under Regional Partnerships

Set an example by demonstrating sustainable values and practices, operate a safe and efficient fleet, and collect and manage data to advance sustainability.

Short term goals include:

» Ensure municipal finance practices and purchasing policies are consistent with sustainability and reinvest cost savings into sustainability initiatives.

» Evaluate opportunities to migrate fleet to alternative fuel vehicles.

» Track, analyze, and manage data to advance sustainability.

» Engage the Village community in climate change mitigation and adaptation by educating the public about climate change, its effects, and opportunities for the community to meaningfully respond.

Waste & Recycling – These should go under Infrastructure

Support policies and actions that contribute to sustainable material management and increased recycling.

Long term goals include:

» Consider impacts of the limited remaining lifespan of the SWANCC wastelandfills.

Short term goals include:

» Adopt a Pay-As-You-Throw program.

» Make public events Zero Waste.

» Support and incentivize expansion of existing services to include food scrap composting, commercial & multi-family recycling, and discouraging the use of unrecyclable products (e.g., plastic bags)

EFC 2040 Proposed Long Term Goals listed according to GRC2 focus areas and integration with Comp Plan progress

Taken from 2/23 Planning Commission Agenda Pack with reference within specific pillars (eg P7)

**** Added during meeting

EFC Long Term Goals that for which would benefit from greater attention as were either 1) not enumerated as others within the/a pillar or 2) for which greater specificity would be helpful

Important issues that rise to maximum importance as a result of synthesis of MMC Climate Action Plan with GRC2

- 1) Water in:
 - Hanley
 - Reduce Winnetka’s consumption of water by 10%
 - P7: 5.7 Reduce community water consumption by implementing water efficiency measures in Village operations and encouraging residents and businesses to identify and mitigate water losses, and in the long term reduce Winnetka’s water consumption
 - Reduce to zero beach closures because of pollution. Combine with Minimize or eliminate beach closures due to bacteria and other contaminants:
 - P 7: 6.4 Reduce beach closures due to pollution
 - Replace lead service lines over time, minimizing exposure to lead in drinking water
 - P 7: 5.8 Replace lead service lines over time, minimizing lead exposure in drinking water
- 2) Mobility:
 - Buccellato
 - Develop safe, east-west bikeway(s) to connect to downtown areas, GB trail, rail stations and educational institutions.
 - P 7: 8.5 Invest in projects that further a network of on- and off-street bike facilities to enhance east-west connections to the Green Bay Trail as well as other destinations such as the Skokie Lagoons and the lakefront.***
 - Develop incentives to reduce consumption of gasoline
- 3) Land:
 - Wynnychenko a)
 - Stabilize bluffs and beaches and increase enjoyment of Lake Michigan
 - Improve community access to lakeshore returning access to its historical level
 - b)
 - Develop landfill into property that can be utilized by the Village.
- 4) Energy:
 - Hanley
 - Begin planning for extension or transition regarding Winnetka’s local electric power plant:
 - P 7: 12.3 Consider adoption of rules and regulations that will further encourage the use, when appropriate, of on-site energy generation such as solar, wind, and geothermal.
 - P 7: 7.4 Review and set Village direction and discussion regarding upcoming IMEA agreement termination and fiscal impact of aging electrical generation system reinvestment options.***
 - P 7 7.5 Implement the installation of Advanced Metering Infrastructure (AMI) “smart meters” to improve operation of electric distribution system and create the ability to provide customers with additional information for the management of their energy consumption.***
 - P 10: 2.6 Partner with federal, regional, state, other local governments, and other entities to undertake initiatives that promote energy efficiency, sustainability, and climate action.***
 - P 7?: 12.4 Consider adoption of rules and regulations that will further encourage the use, when appropriate, of on-site energy generation such as solar, wind, and geothermal.****
 - Develop Winnetka centric plans to transition away from coal based generation of electrical energy by 2035

- 5) Waste: Kunkle Consider impacts of the limited remaining lifespan of our SWANCC waste landfills
 - P 7: 11.1 Consider impacts of the limited remaining lifespan of the SWANCC waste landfills
 - 11.2 Consider expanding the Village modified Pay-As-You-Throw waste and recycling program.
 - 11.3 Continue working to make public events Zero Waste.
 - 11.4 Support and incentivize expansion of existing services to include food scrap composting, commercial & multi-family recycling, and discouraging the use of unrecyclable products(e.g., plastic bags).

- 6) Water Out: Hanley Manage water infrastructure to ensure water quality and efficiency
 - P 7: 3.5 Protect surface and groundwater from runoff and contamination, support post development runoff reduction and mitigation and encourage residents and businesses to address flood risks on their property.

- 7) Leadership; Varca Include WEFC representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under WEFC’s review.
 - P 11: 1.3 Include Environment and Forestry Commission (EFC) representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under EFC’s purview

- 8) Sustainable Comm: Dowding *Create a (Full/Half)Time Sustainability Coordinator*
 - P 10: 2.5 Establish or strengthen an inter- and intra-entity Green Team. **CHANGE**
Add a representative of park district to the EFC***
 - P 10: 1.3 Include Environment and Forestry Commission (EFC) representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under EFC’s purview.***
 - P 4: 1.3 Consider expanding the role of the Environment and Forestry Commission to advise The Village Council on all matters related to the environment, sustainability, forestry and other natural resources. Consider changes to the Village Code establishing the EFC and its roles, as well as evaluating its name, member composition and the like
 - P4: 2.1 Evaluate what will be the appropriate staffing for community sustainability initiatives either through dedicated staff resources, on-call consultant, or a Sustainability team as a shared responsibility.
 - Develop Incentives to reduce consumption of natural gas for home heating

Will the Planning Commission be including the organizing structure below for initiatives?

Goal Objective Action-Item Partners Funding Time-Frame”.

Please consider the following alternative wording of the vision statement
 Our community is committed to the stewardship of all its natural and manmade constructed resources and to its family-friendly heritage of:

Goal:**Reduce Winnetka’s consumption of water by 10%**

Reason:

Winnetka may be required to share water to the collar counties within the next two or three decades. The demand for water in the collar counties, who already in 2020 have begun to run out of water, will require use of Lake Michigan water, which is limited by international treaty with Canada. Thus sending water to collar counties will result in less water for those already drawing LM water.

WEFC Water summary

The overall objective is to reduce pollution of the water in and near to Winnetka. One of the most valuable resources to Winnetka is Lake Michigan, which we drink and in which we recreate. Water shed by Winnetka as waste or storm water runoff will become increasingly scrutinized and regulated to reduce pollution and increase sustainability of the region. Given the increasing need for clean drinking water, it is important to reduce consumption and reduce pollution of the storm water. Winnetka benefits from separate sanitary and storm water sewer systems which reduces the complexity of pollution reduction. While the Metropolitan Water Reclamation District both treats the sanitary waste and regulates encroachment of the flood plain to control flooding, Winnetka may enforce stricter storm water regulations.

GRC2 Water Goals

- Use and distribute water efficiently
- Protect and improve and water quality
- Manage water system assets sustainably
- Optimize the use of natural and built systems to manage stormwater
- Practice stewardship of water resources
- Enact policies to protect water resources
- Engage the community in water stewardship

Increasing Sustainable Mobility:**Goal****Develop safe, east-west bikeway(s) to connect to downtown areas, GB trail, rail stations and educational institutions**

Reason:

Increasing pedestrian oriented transportation will enhance Winnetka’s ability to address greater restrictions of the use of automobile transport. It will also allow for a more healthy, walkable/bikeable village oriented life style.

WEFC Mobility Summary

The Village supports safe and effective transportation through a diverse and efficient transportation network. The Village offers various public transportation methods including three train stations, intersecting bus routes and an interstate highway less than one mile west of the Village. The Village also features a segment of the bike-friendly Green Bay Trail and supports bicycle use throughout the Village. The Village maintains its own roadways and regularly collaborates with IDOT and Cook County.

GRC2 Mobility Goals

- Support safe and effective active transportation
- Maintain a diverse, safe, and efficient transportation network
- Support efficient transportation that uses resources wisely
- Integrate sustainability into transportation policies, programs, and regulations
- Promote public and sustainable transportation choices

Goal

Stabilize bluffs and beaches and increase enjoyment of Lake Michigan

Reason:

Planned bluff and beach stabilization by the Winnetka Park District and riparian residents (and the not unexpected legal entanglements) present an opportunity for a village-wide sustainable solution. Costs of stabilization can be reduced through coordination of efforts by Village, Park District and riparian residents. It may be possible to justify additional Village funding in addition to that from the Park District by increasing enjoyment of Lake Michigan between Village and Park access points.

WEFC Land Summary

This category pertains to the preservation of the land use patterns and natural environment that provide the Village-like ambiance of Winnetka. Land use patterns are defined by the transitions between types and densities of occupation which are controlled by zoning. However the natural environment is defined some form of ecologically balanced, publically accessible open space, green and blue, will provide the foundation for sustainable activity. These built and natural considerations overlap with Economic Development, Sustainable Communities, and Water.

GRC2 Land Goals

- Encourage strategic development that upholds sustainability principles
- Conserve, restore and enhance natural features and ecosystems
- Support networks of accessible well-used and enjoyable parks
- Sustain a robust urban forest canopy
- Sustain beautiful landscapes that provide ecosystem services
- Achieve greater livability through sustainable land use and housing policies
- Cultivate a conservation ethic in the community

Goal

Reduce to zero beach closures because of pollution

At one time Winnetka was listed as having the most polluted beaches in the nation by counts of closures. After efforts by the “Village” to uncover cross connections between sanitary and storm sewers, beach closures have been reduced but not to zero. Given that all storm water east of Green Bay Rd flows to Lake Michigan, the source of our drinking water, such beach closures potentially have more serious consequences than preventing swimming. This issue is also a poster child for the need for greater integration of the operations of the Park and Village boards. Parks takes the hit for beach closures, the Village is responsible for outfalls to the lake, and Winnetka’s brand is besmirched.

WEFC Water summary

The overall objective is to reduce pollution of the water in and near to Winnetka. One of the most valuable resources to Winnetka is Lake Michigan, which we drink and in which we recreate. Water shed by Winnetka as waste or storm water runoff will become increasingly scrutinized and regulated to reduce pollution and increase sustainability of the region. Given the increasing need for clean drinking water, it is important to reduce consumption and reduce pollution of the storm water. Winnetka benefits from separate sanitary and storm water sewer systems which reduces the complexity of pollution reduction. While the Metropolitan Water Reclamation District both treats the sanitary waste and regulates encroachment of the flood plain to control flooding, Winnetka may enforce stricter storm water regulations.

GRC2 Water Goals

- Use and distribute water efficiently
- Protect and improve and water quality
- Manage water system assets sustainably
- Optimize the use of natural and built systems to manage stormwater
- Practice stewardship of water resources
- Enact policies to protect water resources, Engage the community in water stewardship

Goal

Minimize or eliminate beach closures due to bacteria and other contaminants:

Reason:

Winnetka beaches routinely land at or near the top of the Natural Resources Defense Council's most-contaminated list of Illinois beaches, posting dozens of closure days every year. One likely cause for heightened bacteria levels is likely the Metropolitan Water Reclamation District (MWRD) lock system in Wilmette Harbor, opened during major rainstorms to release sewer overflow into Lake Michigan. But another is leaks and cross-contamination between the Village's separated storm and sanitary sewers. While Winnetka has little control over MWRD, the 2040 Plan should encourage the Village to increase efforts to investigate possible cross connections that allow domestic sewage to enter the storm sewers that outfall into Lake Michigan, as well as consider new storm water outlets and improvements near beaches to filter sediments and solid materials, as well as bacteria.

More sophisticated water testing and analysis should also be encouraged. Most towns north of Chicago, including Winnetka, monitor their beaches along Lake Michigan for E. coli and other harmful bacteria. That monitoring ranges from traditional water measurements (with results received up to 24 hours later, or longer) to real time monitoring to predictive modeling. Depending on the results, swim advisories and bans are issued if the bacteria levels exceed acceptable levels. Beaches in Winnetka are monitored every day during the summer swimming season using traditional sampling. Instead of Winnetka relying on the 24-hour bacteria sampling test, use of a predictive method to provide relatively accurate and up-to-date E. coli estimates would help better identify sources of contamination and help keep clean beaches open.

WEFC Water Summary

The overall objective is to reduce pollution of the water in and near to Winnetka. One of the most valuable resources to Winnetka is Lake Michigan, which we drink and in which we recreate. Water shed by Winnetka as waste or storm water runoff will become increasingly scrutinized and regulated to reduce pollution and increase sustainability of the region. Given the increasing need for clean drinking water, it is important to reduce consumption and reduce pollution of the storm water. Winnetka benefits from separate sanitary and storm water sewer systems which reduces the complexity of pollution reduction. While the Metropolitan Water Reclamation District both treats the sanitary waste and regulates encroachment of the flood plain to control flooding, Winnetka may enforce more strict storm water regulations.

GRC2 Water Goals

- Use and distribute water efficiently
- Protect and improve and water quality
- Manage water system assets sustainably
- Optimize the use of natural and built systems to manage stormwater
- Practice stewardship of water resources
- Enact policies to protect water resources
- Engage the community in water stewardship

Goal

Begin planning for extension or transition regarding Winnetka's local electric power plant:

Reason:

Unique among many municipalities, Winnetka generates its own electric power plant. To complement this capability, since 1991 Winnetka's power and energy requirements continue to be ensured pursuant to contracts between the Village and the Illinois Municipal Electric Agency (IMEA). On the Village's behalf, IMEA acquires power and energy by: generating it at an IMEA-owned plant; purchasing it from other entities; and utilizing the capabilities of the Village's electric plant or of other members' plants. This blend of resources is designed to ensure an economical cost of wholesale power. Therefore, by contract, the output capacity of the Village's electric plant is dedicated to IMEA. Upon request by IMEA, the Village will generate electricity that is used by IMEA to meet electrical demand or offset the cost of higher priced wholesale power from another source. In return for IMEA's right to use our plant's capacity, the Village receives a credit on its wholesale power bill.

Winnetka's current IMEA contract extends through 2035. Even though the Village buys all its electricity from IMEA, it is contractually obligated to own and operate the electric plant through 2035 or secure comparable replacement power. [note: this is an assumption that needs to be verified]. By 2035, and likely well before then, plans will need to be in place to continue or discontinue operation of the electric power plant, a timeline that falls well within the window of our developing 2040 Plan. These decisions are not to be undertaken lightly – the benefits and costs that must be analyzed and weighed in coming to a decision about the future of the electric power plant are material to the Village. It is in the best interests of the Village, and its residential and business electric customers, to begin planning now for an eventual extension or transition regarding Winnetka's local electric power plant. Such a process will necessitate Village leadership, Staff, and the public coming together to carefully and comprehensively consider issues including, but not limited to, available alternatives for sourcing energy, economics and rate impacts, environmental considerations, the potential for alternative site uses, and of course the effects on the quality of life in the Village.

WEFC Municipal Operations Summary

Village municipal services are divided into Village, Schools, Park, and Library boards and functions. The Village board provides life safety, transportation, water, and waste infrastructure. Winnetka also provides electrical power to the Village through the Illinois Municipal Energy Agency. A Village lifestyle is provided through a high performing municipal operation governed by a Village Manager and elected Trustees. Sustainable life styles are encouraged through ordinance, pricing, education, and expenditure of Village funds to facilitate stewardship and conservation. The Village has a standing Environmental and Forestry Commission with a dedicated staff liaison. The Village operates a safe, clean and efficient fleet through its in-house fleet services division and has in place an anti-idling policy for Village-owned vehicles.

GRC2 Municipal Operations Goals

- Lead by demonstrating sustainable values and practices
- Integrate sustainability into all municipal operations
- Operate a safe, clean and efficient fleet
- Collect and manage data to advance sustainability

Goal

Consider impacts of the limited remaining lifespan of our SWANCC waste landfills:

Reason:

The Village provides refuse collection services which includes weekly back-door residential garbage collection, weekly commercial refuse collection, twice-a-week residential yard waste collection, and special refuse collections. Collected refuse is transferred for disposal under a contractual arrangement with the Solid Waste Agency of Northern Cook County (SWANCC). SWANCC, in turn, utilizes privately owned regional landfills for disposal capacity.

SWANCC member communities rely on a number of facilities to manage their waste. The majority of waste collected within SWANCC member communities is delivered to transfer stations prior to being hauled to more distant regional landfills for disposal. Waste from Winnetka, via the Glenview Transfer Station, is currently hauled to the Winnebago Landfill in Rockford, IL for disposal.[note: need to confirm] A number of additional landfills in northern Illinois, as well as southern Wisconsin, northwestern Indiana, and southwestern Michigan are unavailable to receive waste because of limited remaining capacity (in some cases combined with restrictions on their service areas, primarily accepting special wastes (not municipal wastes), or not being economically accessible due to an increase in state-imposed fees).

Consequently, in addition to promoting continuing conservation, recycling, and composting programs for the Village that reduce landfill disposal quantities at the source, the 2040 Plan should propose a set of goals that produce a framework for addressing the eventual inevitable limitations on available disposal facilities for Winnetka and the other regional municipalities served by SWANCC. As this is a regional issue, the Plan should recommend that the Village work cooperatively with SWANCC and other regional planning agencies and area counties where appropriate to evaluate and implement solid waste management programs and services.

WEFC Waste and Recycling Goals

Sustainable activity must include reduction, reuse and recycling of materials. So far the Village has focused principally on recycling through its contract with Lakeshore Recycling Systems and its partnership with the Solid Waste Agency of Northern Cook County. While recycling refers to all materials, it is helpful to separate solid waste from water. Water recycling is controlled by the Metropolitan Water Reclamation District through its treatment of waste water and regulation of water that may returned to Lake Michigan or the North Branch of the Chicago River. Reduction of solid waste within Winnetka is facilitated through separate collection of recycled materials from solid waste. Separation and collection of food waste is becoming of increasing interest. Recycling is encouraged through ordinance, pricing, education, and expenditure of Village funds. The Village operates its own in-house refuse collection services, in which operations are regularly assessed. The Village also hosts a weekly electronics recycling drop-off program for residents and offers special recycling programs for materials such as Styrofoam, CFL bulbs and batteries.

GRC2 Waste and Recycling Goals

- Support sustainable material management
- Recycle materials across all sectors
- Divert waste from landfills
- Enact policies that cause sustainable material management
- Engage the community in waste reduction and recycling

Develop Underutilized Land

Goal:

Develop landfill into property that can be utilized by the Village.

Reason:

The landfill represents space that can be utilized by the Village for other purposes. The property might be able to be used in its current form as a solar or wind farm or the site would have to be completely remediated for other uses.

WEFC Land Summary:

This category pertains to the preservation of the land use patterns and natural environment that provide the Village-like ambiance of Winnetka. Land use patterns are defined by the transitions between types and densities of occupation which are controlled by zoning. However, the natural environment is defined by some form of ecologically balanced, publically accessible open space, green and blue, will provide the foundation for sustainable activity. These built and natural considerations overlap with Economic Development, Sustainable Communities, and Water.

Specific GRC2 Land Goals:

Encourage strategic development that upholds sustainability principles

Reduce sprawl by promoting infill development to reduce adverse impacts on natural resources and infrastructure demands (L1)

Redevelop underutilized or contaminated properties (L1c)

Manage Water Infrastructure

Goal:

Manage water infrastructure to ensure water quality and efficiency:

:

Reason:

The Village is in the process of modernizing storm sewer lines. A long term, comprehensive plan has been created to continue to maintain the sewer system. At some point, the sewer system is going to have to be replaced to ensure water quality and efficiency.

WEFC Water Summary:

The overall objective to reduce pollution of the water in and near to Winnetka. One of the most valuable resources to Winnetka is Lake Michigan, which we drink an in which we recreate. Water shed by Winnetka as waste or storm water runoff will become increasingly scrutinized and regulated to reduce pollution and increase sustainability of the region. Given the increasing need for clean drinking water, it is important to reduce consumption and reduce pollution of the storm water. Winnetka benefits from separate sanitary and storm water sewer systems, which reduces the complexity of pollution reduction. While the Metropolitan Water Reclamation District both treats the sanitary waste and regulates encroachment of the flood plain to control flooding, Winnetka may enforce more strict storm water regulations.

Specific GRC2 Water Goals:

Manage water system assets sustainably

Operate an efficient water utility that delivers clean, healthful, water. (W 15)

Comprehensively and sustainably manage water infrastructure. (W 16)

Goal

Include WEFC representation on other Village commissions as well as enabling additional environmental and/or forestry related ordinances to fall under WEFC's review.

Reason:

The various Village commissions encounter environmental and/or forestry topics, directly or indirectly, on a regular basis. As a result, it is appropriate to have representation from the WEFC to assist the respective commissions with these topics. In addition, the WEFC can be a greater resource to the Village Council by reviewing environmental and/or forestry related issues relating to ordinances.

WEFC Municipal Operations Summary

Village municipal services are divided into Village, Schools, Park, and Library boards functions. The Village board provides life safety, transportation, water, and waste infrastructure. Winnetka also provides electrical power to the Village through the Illinois Municipal Energy Agency. A Village lifestyle is provided through a high performing municipal operation governed by a Village Manager and elected Trustees. Sustainable life styles are encouraged through ordinance, pricing, education, and expenditure of Village funds to facilitate stewardship and conservation. The Village has a standing Environmental and Forestry Commission with a dedicated staff liaison. The Village operates a safe, clean and efficient fleet through its in-house fleet services division and has in place an anti-idling policy for Village-owned vehicles.

GRC2 Municipal Operations

Lead by demonstrating sustainable values and practices (Village specific goal under GRC2)

Support or create an interdisciplinary team (or a Sustainability Coordinator) to coordinate internal sustainability efforts (MO 1)

Formalize sustainability goals and plans (MO 6)

Integrate sustainability into all municipal operations (Village specific goal under GRC2)

Collect and manage data to advance sustainability (Village specific goal under GRC2)

Formalize sustainability goals and plans

Replacement of Lead Service Lines

Goal: Replace lead service lines over time, minimizing exposure to lead in drinking water:

Reason:

Winnetka was founded as a village in 1869. High-quality drinking water is provided to Winnetka residents which exceeds both State and Federal standards. As stated on the Village's website, lead does not come from the treatment plant and water mains but from lead service lines that run between the water main in the street and individual homes, and from plumbing inside homes. As an older Village, there are still Winnetka homes that utilize lead water service lines. Currently the Village doesn't replace lead water service lines because the service lines are on private property and are considered the responsibility of the customer.

The Village of Winnetka monitors the drinking water in the distribution system for lead. The standard for lead in tap water is set by the US Environmental Protection Agency (US EPA) at 15 micrograms per liter ($\mu\text{g/l}$) or parts per million (ppm) in at least 90% of the samples taken. This standard is from the US EPA's Lead and Copper Rule (LCR) designed to protect public health and reduce exposure to lead and copper in drinking water. Test results from sampling Winnetka tap water in 2014 are well below the action level (see the Winnetka Water Plant 2018 Annual Consumer Report which included the 2014 results). The Village of Winnetka did not have any sampled sites that exceeded 15 ppm lead action level. The lead 90th percentile was reported as 5.9 ppb. The US EPA's Maximum Contaminant Level Goal (MCLG) for lead is 0 ppb.

According to the Village's website, since 1994 the Village has been taking steps to prevent lead corrosion from occurring. The Water Plant treats the water with a corrosion control treatment that is safe for human health and helps to build a protective coating around pipes.

The EFC recommends that the Village of Winnetka replace lead service lines as part of planned upcoming roadwork projects, so this proactive action can be taken to reduce exposure to lead in drinking water for the remaining lead-containing service lines. Removing lead service lines can be paid for using a number of funding sources. The US EPA has compiled Lead Service Line Replacement (LSLR) challenges and best practices (See "Strategies to Achieve Full Lead Service Line Replacement, October 2019, US EPA 810-R-19-003).

GRC2 Water Goals

- Use and distribute water efficiently
- Protect and improve the water quality
- Manage water system assets sustainably
- Practice stewardship of water resources
- Enact policies to protect water resources
- Engage the community in water stewardship

Create a Full Time Sustainability Coordinator

Need for such a position and title arises from a number of needs that include but are not limited to:

- Coordinate and stream line Public Works and EFC web pages
- Manage the Environment and Forestry Commission
- Enforce environmentally oriented ordinances (leaf blower, phosphate and coal tar sealer bans)
- Audit environmental metrics of success; eg
 - kwh of electricity,
 - beach chemistry,
 - chemistry of effluent to North Branch,
 - trees planted,
 - LEED homes, solar roofs
 - recycled weight
- Manage landscapers and applicators of pesticides herbicides, and fertilizers
- Maintain and manage Right of Way and tree maintenance
- Coordinate with other village agencies

GRC2 Municipal Operations Goals

- Lead by demonstrating sustainable values and practices
- Integrate sustainability into all municipal operations
- Operate a safe, clean and efficient fleet
- Collect and manage data to advance sustainability

How would this position be created?

Given the broad reach of the Public Works Department in the area of Sustainability, such a position might be achieved without addition of a full time equivalent position. Coordinator works as a Sustainability Team with

1. Andrew Lueck, Village Forester (In Engineering Dept.)
2. Person who operates water treatment plant and tests water quality (in Water and Electricity Dept I believe)
3. Brian Keys on electrical energy and IMEA (Head Water and Electricity Dept)

4. Brian Norkus (?) on building code (Need ordinance that all new home be LEED energy certified)
5. Diana Puga, EFC liaison

Experience of Other Villages

Lake Forest: currently requires all landscapers to register are required to register. Fee = ??

Evanston: has a full time Sustainability Coordinator

Wilmette: hired an enforcement officer for leaf blower and other issues

How to pay for this in revenue neutral fashion

From time to time the EFC has discussed enforcement of environmental ordinances through pledges of registered landscapers/applicators. This registration requirement could be employed as a means of creating a position of sustainability coordinator. It is currently of interest given the leaf blower conundrum and simply described in a revenue neutral fashion below.

- Charge registration fee of \$750 per year for all landscapers and compound applicators (assume 200) who wish to operate in Winnetka. $200 \times 750 = \$150,000$
- Cost increase per year per residential dwelling if fee passed through to homeowners as increased cost of their yard work: Position cost \$150,000 per year. 3000 residential dwellings w/ 80% with landscaping/applicator of some kind = 2400 residences.
- Increased cost of landscaping per residential dwelling = $\$150,000 / 2400 = \62 per year per residential dwelling that uses these landscaper-applicator services.
-

Improve community access to lakeshore returning access to its historical level

Stabilize bluffs and beaches and increase enjoyment of Lake Michigan

Pillars: Healthy & Engaging Lifestyles, Culture & Community Character, Parks & Open Space

The Winnetka Futures 2040 Plan analysis identified healthy and engaging lifestyles, culture and community character, and parks and open space as Pillars of the Community. The Villages lakefront has historically allowed individuals to walk along the shore of Lake Michigan for significant distances, while respecting the rights of riparian property owners along the lake. Unfortunately, in recent years, riparian property owners have been allowed to drastically change the character of the lakeshore in an attempt to stabilize beaches and bluffs along the lake. While the intent of these changes is encouraged, these changes have drastically altered the character of the lakeshore and prevent individuals from enjoying the lake. Furthermore, these changes have effectively transferred public land to private individuals, and riparian owners have not been held to account for violations of special conditions included with permits for construction. Therefore, access to the lakeshore should be restored.

Action 1: Signs – Riparian owners have placed warning signs suggesting that lakeshore beaches are “private.” These signs are misleading, and often false. The Village should adopt ordinances barring riparian owners from displaying false information along the lakeshore. There are no significant costs to the Village. Timeframe could be immediate. No partners.

Action 2: Tower – Lloyd path – The lakeshore and beach (above the ordinary high water mark) between Tower and Lloyd Parks is not privately owned. The Village should support the Park District in constructing a boardwalk, or similar structure, to allow individuals to walk from one beach to the other along the lakeshore. There will be costs associated with construction and permitting, and these costs could be funded in a similar manner to allcapital improvement projects. Timeframe could be within 2-3 years. Partner with the Park District.

Action 3: Stairs over barriers – Riparian owners are required to maintain public access to public property. The breakwaters constructed, and being constructed, along the lakeshore significantly prevent public access to public

lands. The Village should direct riparian owners to install stairway over any and all constructed breakwaters to reestablish the public's access to public land. There should be no significant costs to the Village, unless the riparian owners refuse to provide the access required of them by the permits that have been granted. In such an event, the Village should fund any required legal action in the same manner as it has previously funded legal action to compel behavior of residents when structures have been constructed on public land. Timeframe could be immediate to within 1-2 years. Partner with the USACE, IL DNR, and IL EPA as necessary.

Action 4: Overlooks at street ends - In addition to Park District beaches, there are multiple points along the lakeshore at ends of Village streets that are not private, but publically owned. The Village should incorporate improvements for public access and enjoyment of these areas with any proposed changes that will be constructed as part of stormwater mitigation efforts. These improvements can also be designed to compliment stormwater management. Funding for these improvements could be integrated into the costs of stormwater mitigation. Timeframe could be over the next 3-8 years as the Village's stormwater plan is developed. Partner with the Park District and other entities involved in stormwater planning.

Goal: Create a (Full/Half) Staff Position for Sustainability Coordination

GRC2 Municipal Operations Goals

- Lead by demonstrating sustainable values and practices
- Integrate sustainability into all municipal operations
- Operate a safe, clean and efficient fleet
- Collect and manage data to advance sustainability

Objectives:

Need for such a position and title arises from a number of needs that include but are not limited to:

Coordinate and stream line Public Works and EFC web pages

Manage the Environment and Forestry Commission

Enforce environmentally oriented ordinances such as the current gas powered leaf blower, phosphate and coal tar sealer bans

Audit environmental metrics of success; eg

kwh of electricity,

beach chemistry,

chemistry of effluent to North Branch,

trees planted,

LEED homes, solar roofs

recycled weight

Manage landscapers and applicators of pesticides herbicides, and fertilizers

Maintain and manage Right of Way and tree maintenance

Coordinate with other village agencies

Actions not requiring a new position

- 1) Enhance the job description of the Village Forester to include management and coordination of the
EFC Liaison,
Water treatment plant operator (to address treatment issues)
Other Public Works Dept personnel

- 2) Enhance the job description of Community Development person to coordinate activities

Action requiring additional funding (see funding source below)

- 1) Add another position in Public Works Department

Experience of Other Villages

Lake Forest: currently requires all landscapers to register. Fee = ??

Evanston: has a full time Sustainability Coordinator

Wilmette: hired an enforcement officer for leaf blower and other issues

Partners

Winnetka Park District

Glencoe

Funding for this in revenue neutral fashion

From time to time the EFC has discussed enforcement of environmental ordinances through pledges of registered landscapers/applicators. This registration requirement could be employed as a means of creating a position of sustainability coordinator. It is currently of

interest given the leaf blower conundrum and simply described in a revenue neutral fashion below.

- Charge registration fee of \$750 per year for all landscapers and compound applicators (assume 200) who wish to operate in Winnetka. $200 \times 750 = \$150,000$
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- Increased cost of landscaping per residential dwelling = $\$150,000 / 2400 = \62 per year per residential dwelling that uses these landscaper-applicator services.

Time Frame

2 to 4 years

LAND

Pillar: Healthy & Engaging Lifestyles
 Culture & Community Character
 Parks & Open Space

Objective: Improve community access to lakeshore returning access to its historical level
 Stabilize bluffs and beaches and increase enjoyment of Lake Michigan

The Winnetka Futures 2040 Plan analysis identified healthy and engaging lifestyles, culture and community character, and parks and open space as Pillars of the Community. The Villages lakefront has historically allowed individuals to walk along the shore of Lake Michigan for significant distances, while respecting the rights of riparian property owners along the lake. Unfortunately, in recent years, riparian property owners have been allowed to drastically change the character of the lakeshore in an attempt to stabilize beaches and bluffs along the lake. While the intent of these changes is encouraged, these changes have drastically altered the character of the lakeshore and prevent individuals from enjoying the lake. Furthermore, these changes have effectively transferred public land to private individuals, and riparian owners have not been held to account for violations of special conditions included with permits for construction. Therefore, access to the lakeshore should be restored.

Action 1: Signs - Riparian owners have placed warning signs suggesting that lakeshore beaches are "private." These signs are misleading, and often false. The Village should adopt ordinances barring riparian owners from displaying false information along the lakeshore.

Funding: There are no significant costs to the Village.
 Timeframe: Timeframe could be immediate.
 Partners: No partners.

Action 2: Tower - Lloyd path - The lakeshore and beach (above the ordinary high water mark) between Tower and Lloyd Parks is not privately owned. The Village should support the Park District in constructing a boardwalk, or similar structure, to allow individuals to walk from one beach to the other along the lakeshore.

Funding: There will be costs associated with construction and permitting, and these costs could be funded in a similar manner to all capital improvement projects.
 Timeframe: Timeframe could be within 2-3 years.
 Partners: Partner with the Park District.

Action 3: Stairs over barriers - Riparian owners are required to maintain public access to public property. The breakwaters constructed, and being constructed, along the lakeshore significantly prevent public access to public lands. The Village should direct riparian owners to install stairways over any and all constructed breakwaters to reestablish the public's access to public land.

Funding: There should be no significant costs to the Village, unless the riparian owners refuse to provide the access required of them by the permits

that have been granted. In such an event, the Village should fund any required legal action in the same manner as it has previously funded legal action to compel behavior of residents when structures have been constructed on public land.

Timeframe: Timeframe could be immediate to within 1-2 years.

Partners: Partner with the USACE, IL DNR, and IL EPA as necessary.

Action 4: Overlooks at street ends - In addition to Park District beaches, there are multiple points along the lakeshore at ends of Village streets that are not private, but publically owned. The Village should incorporate improvements for public access and enjoyment of these areas with any proposed changes that will be constructed as part of stormwater mitigation efforts. These improvements can also be designed to compliment stormwater management.

Funding: Funding for these improvements could be integrated into the costs of stormwater mitigation.

Timeframe: Timeframe could be over the next 3-8 years as the Village's stormwater plan is developed.

Partner: Partner with the Park District and other entities involved in stormwater planning.

LAND

Pillar: Sustainability & Climate Action

Objective: Utilize landfill property to full potential
Install Renewable Energy Resources on underutilized Village
Property
Redevelop Underutilized Properties

The Winnetka Futures 2040 Plan analysis identified sustainability and climate action as a Pillar of the Community. The Village owns a significant amount of generally undeveloped land on top the Village landfill. While this area is currently used, there are no significant structures located on it, and the site could be developed to include an extensive solar array for power production while maintaining the site's usability for other purposes. The development of such a solar facility would reclaim unused land that is unlikely to be used for a higher purpose, support the Pillar by advancing sustainability, and provide diversification of the Village's electrical supply which may make the Village's power system more resilient in the face of increasing and intensifying storm events.

Action 1: Install solar on elevated frames at landfill - The top of the Village's landfill is essentially undeveloped. The Village should develop the site with a large photovoltaic solar array mounted on elevated frames/supports. This would allow continued use of the site, and would also provide a clean and renewable source of energy for the Village's residents. There will likely be significant upfront costs associated with such an installation which could be paid for as are other infrastructure developments/improvements within the Village. Alternatively, the Village could solicit individual residents to support such a development. Over time, the production of power would yield revenues that would offset the upfront costs of development, which would be recovered by either the Village or private individuals, based on the initial funding of the development.

Funding: Either Village or individual residents will pay upfront costs and then recover those in the future.

Timeframe: Timeframe could be over the next 3-8 years.

Partner: Partner with the IMEA as necessary.

Pillar/Chapter 7 - Infrastructure, Services, and Technology [Consider whether should be in other Pillars]

Goal 11 (of 12) –

- Lakota draft: The Village will provide a waste and recycling system that encourages community members to reduce the amount of waste they generate and to recycle or reuse generated waste.
- elk draft: The Village will provide a comprehensive sustainable materials management system that encourages community members, businesses, and organizations to reduce the amount of waste generated and to reuse, recycle, compost, and recover energy from generated waste.

Increase community waste diversion rate to:

XX% by 2025

XX% by 2035

Zero Waste by 2040 (90% per the Zero Waste International Alliance (zwia.org))

Achieving Zero Waste has numerous, significant positive impacts beyond the direct reduction in greenhouse gas emissions, including influencing local consumption habits, creating jobs, reducing costs associated with landfilling material, and energizing circular economy practices.

Initiatives 1 – 5 [updated from the EFC’s Jan. 2020 “Proposed Consensus Recommendations from the GRC2 Framework” document]

- 11.1 Consider impacts of the limited remaining lifespan of the SWANCC waste landfills.
- 11.2 Consider expanding the Village modified Pay-As-You-Throw waste and recycling program.
- 11.3 Continue working to make public events Zero Waste.
- 11.4 Support and incentivize expansion of existing services to include food scrap composting, commercial & multi-family recycling, and discouraging the use of unrecyclable products (e.g., plastic bags and utensils).
- 11.5 Continue to educate residents on refuse and recycling to reduce waste and to **not** use unrecyclable products/**Educate residents re the connections between materials and GHG emissions.**

2021 Climate Action Plan for the Chicago Region (CAP)

- Village Council voted unanimously on 2.15.22 to adopt the Resolution to Endorse the CAP Goals
- Net Zero GHG Goal and interim targets:
 - Reduce GHG emissions 50% from 2005 levels by 2030
 - Reduce GHG emissions 65% from 2005 levels by 2040
 - Reduce GHG emissions at least 80% from 2005 levels by 2050
- Mitigation Objective No. 7: Manage Water and Waste Sustainably
 - Requires actions ranging from smart consumer choices to waste systems and markets.
 - Must alter how we manage our waste.
 - A circular economy keeps material in use to reduce GHG emissions over the life-cycle of materials and products.
 - Robust community recycling and composting, and strong markets for using these commodities, is needed.
 - GHG emissions from landfills and wastewater systems can be captured and utilized.
 - Waste was one of three sectors from which emissions were measured, along with stationary energy (generated and used in buildings) and transportation.
 - Waste accounted for 2.9% of Chicago region GHG emissions in 2015.

- Strategies to Manage Water and Waste Sustainably (some water strategies removed)
 - Increase composting and biological treatment of waste
 - Utilize compost and biosolids in landscaping
 - Capture landfill emissions and eliminate pipeline methane
 - Support circular economies
 - Increase the volume of waste that is recycled and composted
 - Reduce exposure to litter and illegal dumping
 - Smart purchasing reduces waste
 - Site landfills and waste operations to avoid harm to low-income and communities of color
 - Reduce methane gas emissions
 - Reduce embedded energy and emissions from material production, transport, and disposal
 - Reduce persistent waste like plastic
 - recycling and organic waste industries
 - Capture value from waste stream and operations

Winnetka Futures: 2040 Plan Comparable Communities

- Bethesda, MD
- Cherry Hills Village, CO
- Greenwich, CT
 - Plastic bag ban; checkout bags dispensed must be reusable or recycled paper
 - Waste and recycling options comparable to Winnetka
 - Food scrap recycling available at public drop off location
- Grosse Pointe, MI
- Hinsdale, IL
- Mission Hills, KS
- Piedmont, CA - <https://resource.stopwaste.org/curbside/piedmont>
- Radnor, PA
- Scarsdale, NY
- Shaker Heights, OH
- Wellesley, MA

GRC2 2017 Waste & Recycling Goals

- Support sustainable material management
- Recycle materials across all sectors
- Divert waste from landfills
- Enact policies that cause sustainable material management
- Engage the community in waste reduction and recycling

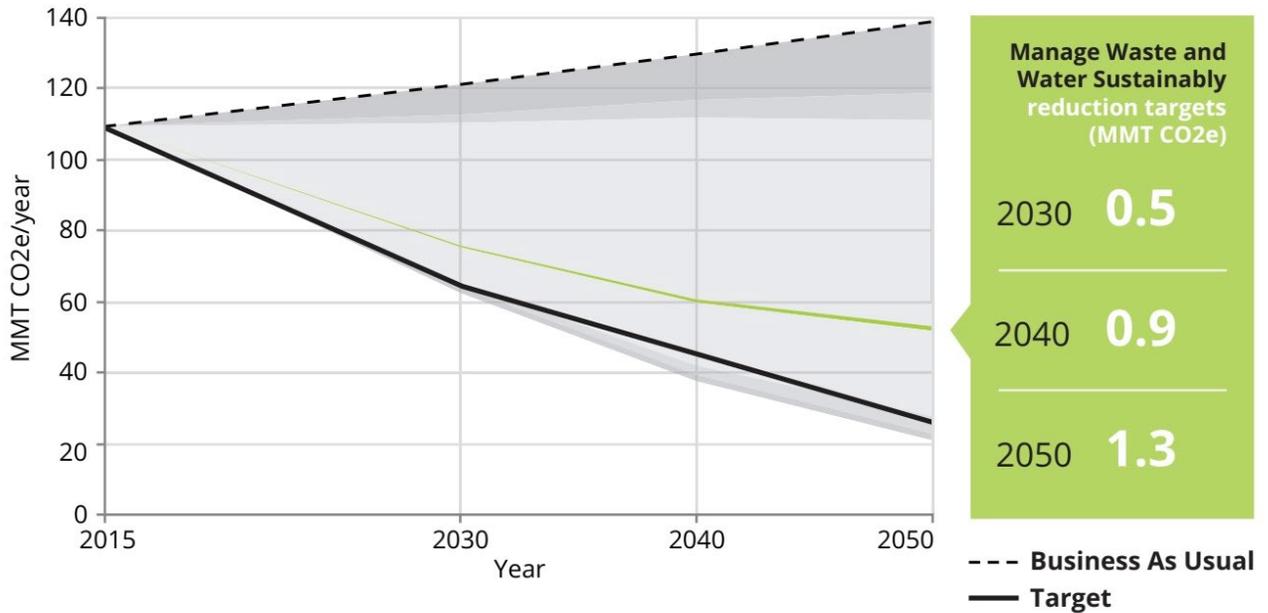
Road to Zero Waste Plan, Fort Collins, CO, advocates for New Goals of:

- Zero Waste by 2030, with the following interim goals:
 - 75% diversion by 2020
 - 90% diversion by 2025
- Achieving per capita waste generation levels of 2.8 lbs/day by 2025.

https://www.fcgov.com/recycling/pdf/RoadtoZeroWasteReport_FINAL.pdf (Dec. 2013)

7. MANAGE WATER AND WASTE SUSTAINABLY

	Strategy	Municipal Role	Solution Status	GHG Reduction Potential	Cost	Effort Required	Lead Partners & Resources	Achieve Equity	Outcomes (Co-benefits)	
a	Capture landfill emissions and eliminate pipeline methane emissions.	ENCOURAGE	Proven	Medium	\$\$	Med High	Landfill operators, clean energy industry	Reduce exposure of vulnerable residents. Site landfills and waste operations to avoid harm to low-income and communities of color.	Reduced methane gas emissions	
b	Capture and convert wastewater biogas to energy.	LEAD ENCOURAGE	Proven	Medium	\$\$\$	High	MWRD, POTW		Displacement of fossil fuels	
c	Increase composting and biological treatment of waste. Utilize compost and biosolids in landscapes.	LEAD ENCOURAGE	Proven	Low	\$\$\$	High	SWAs, waste industry		Expanded recycling and organic waste industries; value from waste captured	
d	Support circular economies.	ENCOURAGE	Evolving	Combined High	\$\$	High	Economic development organizations, businesses, waste industry		Reduce exposure to litter and illegal dumping. Site landfills and waste operations to avoid harm to low-income and communities of color.	Reduced embedded energy from production, transport, and disposal of materials; reduced persistent waste like plastic; value from waste stream and operations captured; household budgets stretched through smart purchasing
e	Increase the volume of waste that is recycled and composted.	ENCOURAGE	Contingent		\$\$\$	Med	Constituents, employers, local businesses, institutions, waste industry			



PROCLAMATION

WHEREAS, the monarch butterfly is an iconic North American species whose multigenerational migration and metamorphosis from caterpillar to butterfly has captured the imagination of millions of Americans; and

WHEREAS, the count in 2017 western monarchs, which overwinters in California, reached an historic low of fewer than 29,000 butterflies — down from 1.2 million two decades previously, and falling below the predicted extinction threshold. The population failed to rebound in 2019, maintaining just 29,000 individual butterflies

WHEREAS, 20 years ago, more than one billion Eastern monarch butterflies migrated to Mexico, but in the winter of 2014, only 60 million made the trip; and

WHEREAS, every citizen of Winnetka can make a difference for the monarch by planting pollinator attracting native plants to provide habitat for the monarch and other pollinators in locations where people live, work, learn, play and worship; and

WHEREAS, on behalf of the people of Winnetka who are already and planning on creating healthy habitat for these magnificent butterflies, the Village Council is honored to lead the way by signing the National Wildlife Federation’s Mayors’ Monarch Pledge; and we encourage other officials across the United States and neighboring countries to take a stand with us so that the monarch butterfly will once again flourish across the continent.

NOW THEREFORE, the Council of the Village of Winnetka do hereby proclaim April 22, 2022 as Monarch Remembrance Day in the Village of Winnetka.

Dated this _____ day of _____, 2022.

Village President



SR0706

LRB102 23167 ECR 32328 r

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SENATE RESOLUTION

2

WHEREAS, Composting is an effective form of waste reduction, reuse, and recycling, and since organic materials make up approximately 30 percent of the material going to landfills, composting is becoming one of the primary methods communities use to reach waste diversion goals and create sustainable communities; and

8

WHEREAS, Organic residual materials, including yard trimmings, vegetable cuttings, biosolids, food scraps, manures, and hay shavings, have been composted and converted into a beneficial product known as compost; and

12

WHEREAS, Returning organic resources, remanufactured in compost, to the soil reduces water consumption by over 30 percent for all soil types, conserves water during extreme drought or flooding conditions, decreases dependence on chemical fertilizers and pesticides, and decreases erosion and nonpoint source pollution; and

18

WHEREAS, Communities, through their local governments, highway departments, soil conservation services, and public works professionals, can have positive impacts on clean water, soil, climate change, and landfill diversion by using compost for public works projects; and

1 WHEREAS, Composting creates green jobs and infrastructure
2 for cities and states that implement composting programs; and

3 WHEREAS, International Compost Awareness Week, scheduled
4 for May 1-7, 2022, is a multimedia publicity and educational
5 initiative designed to showcase compost production and
6 demonstrate compost use and is supported by compost industry
7 organizations from around the world; and

8 WHEREAS, The theme for 2022 is "Recipe for Regeneration:
9 Compost", which recognizes and promotes the importance of
10 composting and the use of compost in growing healthier food,
11 supporting healthier soils and, ultimately, creating a more
12 just and sustainable world; therefore, be it

13 RESOLVED, BY THE SENATE OF THE ONE HUNDRED SECOND GENERAL
14 ASSEMBLY OF THE STATE OF ILLINOIS, that we declare the week of
15 May 1 through May 7, 2022 as "Compost Awareness Week" in the
16 State of Illinois.



**VILLAGE OF WINNETKA
ENVIRONMENTAL AND FORESTRY COMMISSION**

- Chuck Dowding, Chairperson
- Elizabeth Kunkle, Commissioner
- Rosann Park-Jones, Commissioner
- Barry Sylvester, Commissioner
- David Varca, Commissioner
- Ted Wynnychenko, Commissioner
- Patrick Hanley, Commissioner
- Kim Mancini, Trustee Representative
- Marcus Buccellato, Student Representative
- Scarlett Harper, Student Representative

GREEN AWARD NOMINATION

Green Awards were developed by the Village’s Environmental and Forestry Commission to recognize properties, households, and businesses that demonstrate exceptional commitment to sustainable and environmentally-friendly practices within the Village of Winnetka.

Please complete the following information to nominate a property within Winnetka for a Green Award:

Property Address: 700 Elm Street

Owner: Hadley

Owner’s Phone and E-mail: Mary Nelson 847-784-2764 maryn@chadley.edu

1. **Award Category** (check all that apply):

Climate: Projects that reduce greenhouse gas emissions, maintain clean and healthful air, and develop resiliency to climate change impacts.

Economic Development: Project that promote innovation and cultivate local and sustainable development, jobs and businesses.

Energy: Projects that reduce energy output such as increasing efficiency or utilizing renewable energy.

Land: Projects that conserve, utilize or restore existing land (e.g., native plants).

Leadership: Projects that work collaboratively towards a sustainable region or advocate for policies that align with sustainable practices.



VILLAGE OF WINNETKA

- Mobility:** Projects that support safe, effective, and efficient transportation that uses resources wisely, integrate sustainability into transportation policies, programs and regulation, or promote public and sustainable transportation choices.
- Municipal Operations:** Projects that lead by demonstrating sustainable values and practices, integrate sustainability into all municipal operations, operate a safe, clean and efficient fleet, collect and manage data to advance sustainability.
- Sustainable Communities:** Projects that promote cultural vibrancy in the community; foster a culture of health, safety and wellness; increase access to sustainably grown local food; promote a sustainable identity for the community; or cultivate community values based on principles of sustainability.
- Water/Stormwater:** Projects that filter stormwater runoff or store stormwater on property such bioswales, rain gardens or rain barrels.
- Waste & Recycling:** Projects that substantially reduce waste or use of recycled material. Such projects may include use of a composters, reusing recycled materials or diverting waste from landfills.
- Innovation/Other:** All other projects that do not fit into an above category.

2. **Property Type** (check one):

- Private
- Commercial
- Public

3. **Brief Description of the Project and Benefits** (use extra pages if needed): _____

Please refer to email with project objectives, sketches, plant list, photos and video.

4. **Approximate Date of Project Completion:** September 2021



5. Name, Address, Phone Number and Email of Nominator: Mary Nelson, Hadley
700 Elm Street, 847-784-2764, maryn@hadley.edu

6. Photos Enclosed

7. Signature of Nominator:

8. Signature of Property Owner:

Please send this form with photos attached and other documentation, or direct questions, to:

Diana Puga, Public Works Analyst
1390 Willow Road, Winnetka, IL 60093
(847) 716-3550 or dpuga@winnetka.org

Guidelines:

- You can nominate your own property or as many projects as you like, as long as you get the owner's signature.
- The project must have been completed within the past 5 years.
- Commercial, public, or private properties are eligible.
- All applications are reviewed and awarded by members of the Environmental and Forestry Commission.
- Deadline for application is February 28, 2022. Awards are announced at the Village Council meeting closest to April 22nd (Earth Day).

Award Criteria:

Applications will be evaluated by the Village of Winnetka Environmental and Forestry Commission based on how well the projects or initiatives meet the following criteria:

- Positive Impact - The project must have a meaningful and demonstrable impact in Winnetka by helping protect the environment or enhance the quality of life for residents.
- Embraces Innovation/Creativity - The project should reflect a new concept, technology, or practice in Winnetka and should employ new ideas in the industry.
- Overcomes Challenges - The project should explain what challenges were overcome.
- Transferable - The project should be able to be replicated by others in similar situations.
- Demonstrates Initiative - The project should reflect how the individual or group took action to move sustainability forward in their position or community.

Hadley Garden 2020-2021 Plants

(Beginning at the 'Visitor Parking' gravel path entrance)

Key:

- =Trees and shrubs
 - =Perennials and grasses
- Italicized names are botanic/Latin names for ID*
Items in () are more common names
-

Front West:

- *Amelanchier x grandiflora* 'Autumn Brilliance' (Copse of 3 tree-form Serviceberry)
- *Pinus pumila* 'Blue Dwarf' (Dwarf Blue Siberian Pine)
- *Cephalanthus occidentalis* 'Sugar Shack' (Dwarf Button Bush)
- *Cornus sericea* 'Artic Fire' (Artic Fire Red Osier Dogwood)
- *Hydrangea paniculata* 'Little Quickfire' (Dwarf Panicle Hydrangea)
- *Thujaopsis dolobrata* (Hiba or Elkhorn Cypress)
 - *Allium* 'Millennium'
 - *Amsonia hubrichtii* (Bluestar)

Front East:

- *Hydrangea paniculata* 'Little Quickfire' (Dwarf Panicle Hydrangea)
- *Rhododendron yakushimanum* 'Dorothy Swift'
- *Thujaopsis dolobrata* (Hiba or Elkhorn Cypress)
- *Ginkgo biloba* 'Goldspire' (Columnar Ginkgo)
- *Acer pennsylvannica* (Snakeskin or Moosewood Maple)
- *Cryptomeria japonica* 'globosa' (Dwarf Globe Japanese Cedar)
- *Aesculus parviflora* (Bottlebrush Buckeye shrubs)
- *Sciadopitys verticillata* (Umbrella Pine)
- *Cercis canadensis* 'The Rising Sun' (Gold-leafed Redbud)
 - *Allium* 'Millennium'
 - *Sporobolus heterolepis* 'Tara' (Prairie Dropseed)
 - *Carex pennsylvanica* (Carex)
 - *Astilbe x* 'Superba' (Tall summer Astilbe)

Courtyard East:

- *Comptonia peregrina* (Fragrant Sweetfern)
- *Syringa* 'Bloomerang' (Dwarf repeat blooming Lilac)
- *Hamamelis x intermedia* 'Arnold Promise' (Witch hazel tree grafted on *Parrotia persica*)
- *Fagus sylvatica* 'Dawyck Purple' (Purple European Beech 'Wall')
- *Pinus x schwerinii* 'Dwarf Wiethorst' Pine (Heavy cone-set, with soft blue-green needles)
 - *Schizachyrium scorparium* 'Blue Arrow' (Dwarf Bluestem)
 - *Calamagrostis x acutiflora* 'Karl Foerster' (Feather Reed Grass)
 - *Alchemilla mollis* (Lady's Mantle)

Bonsais:

- *Picea pungens* (Dwarf Blue Spruce)
- *Tsuga canadensis* 'Jervis' (Dwarf Hemlock)
- *Chamaecyparis pisifera* 'Aurea' (Gold Mop Cypress)
- *Picea orientalis* (Dwarf Oriental Spruce)
- *Chamaecyparis obtusa* 'Templehof' (Dwarf Hinoki Cypress)

Courtyard Central:

- *Magnolia virginiana* (Sweetbay Magnolia)
- *Thuja occidentalis* 'Degroot Spire' (Arborvitae)
 - *Heuchera villosa* (Hairy Alum Root)
 - *Thalictrum rochenbrunianum* 'Lavender Mist' (Meadow Rue)
 - *Polystichum mutinum* (Sword Fern)

Courtyard Building:

- *Taxus cuspidata* 'Amersfoort' (Yew)
- *Acer palmatum* "Ryusen" (Green Large-leafed Japanese Maple)
- *Larix kaempferi* 'Diana' (Contorted Larch)
- *Pinus strobus pendula* (Weeping White Pine)
 - *Stachys byzantina* (Lambs Ears)
 - *Bergenia* 'Sunfur'

Courtyard Waterfall:

- *Juniperus chinensis* 'Trautman' (Juniper)
- *Cercidiphyllum japonica* (Japanese Katsura)
- *Cephalanthus occidentalis* 'Sugar Shack' (Dwarf Button Bush)
- *Cornus alternifolia* 'Aurea' (Golden Pagoda Dogwood)
- *Hydrangea quercifolia* 'Snowflake' and 'Snow Queen' (Oakleaf Hydrangeas)
- *Amelanchier x grandiflora* 'Autumn Brilliance' (Tree-form Serviceberry)
- - *Astilbe*
 - *Hosta*
 - *Hellebore*
 - *Pulmonaria*
 - *Gentiana*
 - Celadine Poppies
 - Bleeding heart
 -

South Pollinator:

- *Cotoneaster adpressus* 'Tom Thumb' (Dwarf Creeping Cotoneaster)
- *Hydrangea paniculata* 'Little Quickfire' (Dwarf Panicle Hydrangea)
 - 25 'Hameln' Fountain Grass (Dwarf Fountain grass at W foundation of Building)
 - 6 Tall Black-eyed Susan (Along W foundation of Building)
 - Working with the Guild to add more in 2022



Presentation to the Garden Guild of Winnetka







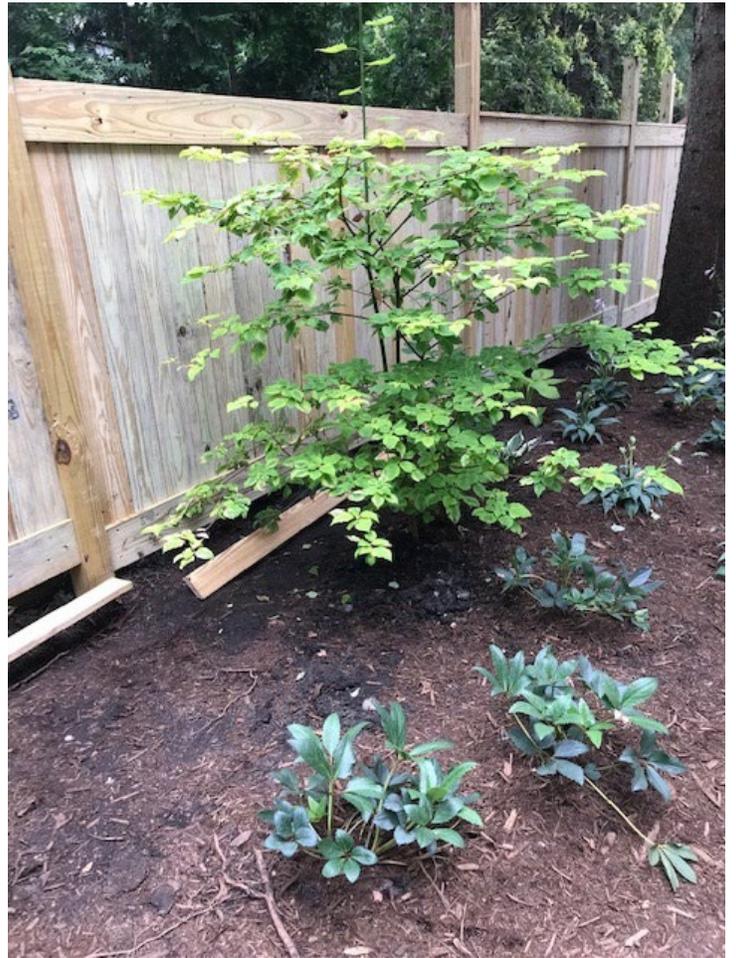


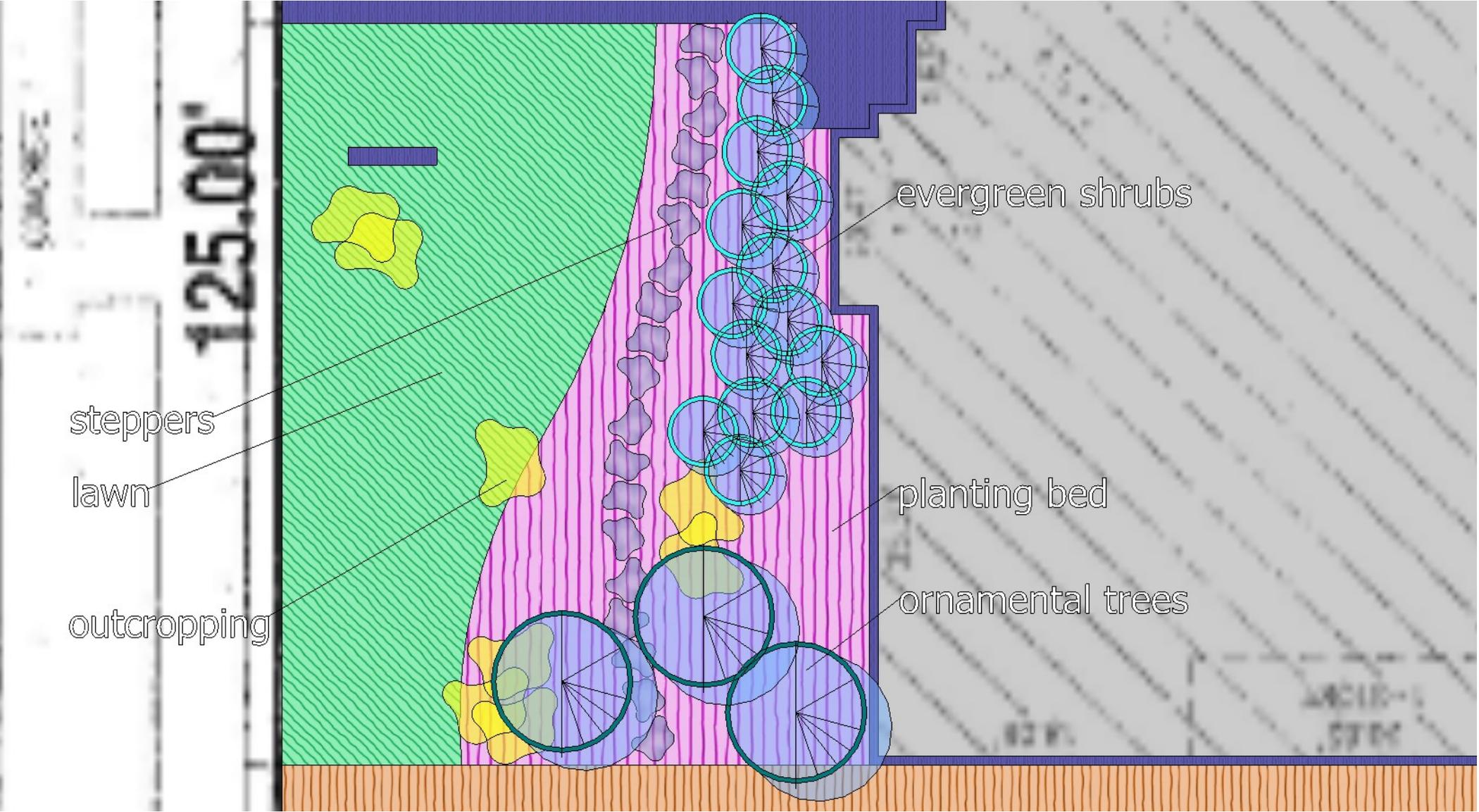












125.00'

steppers

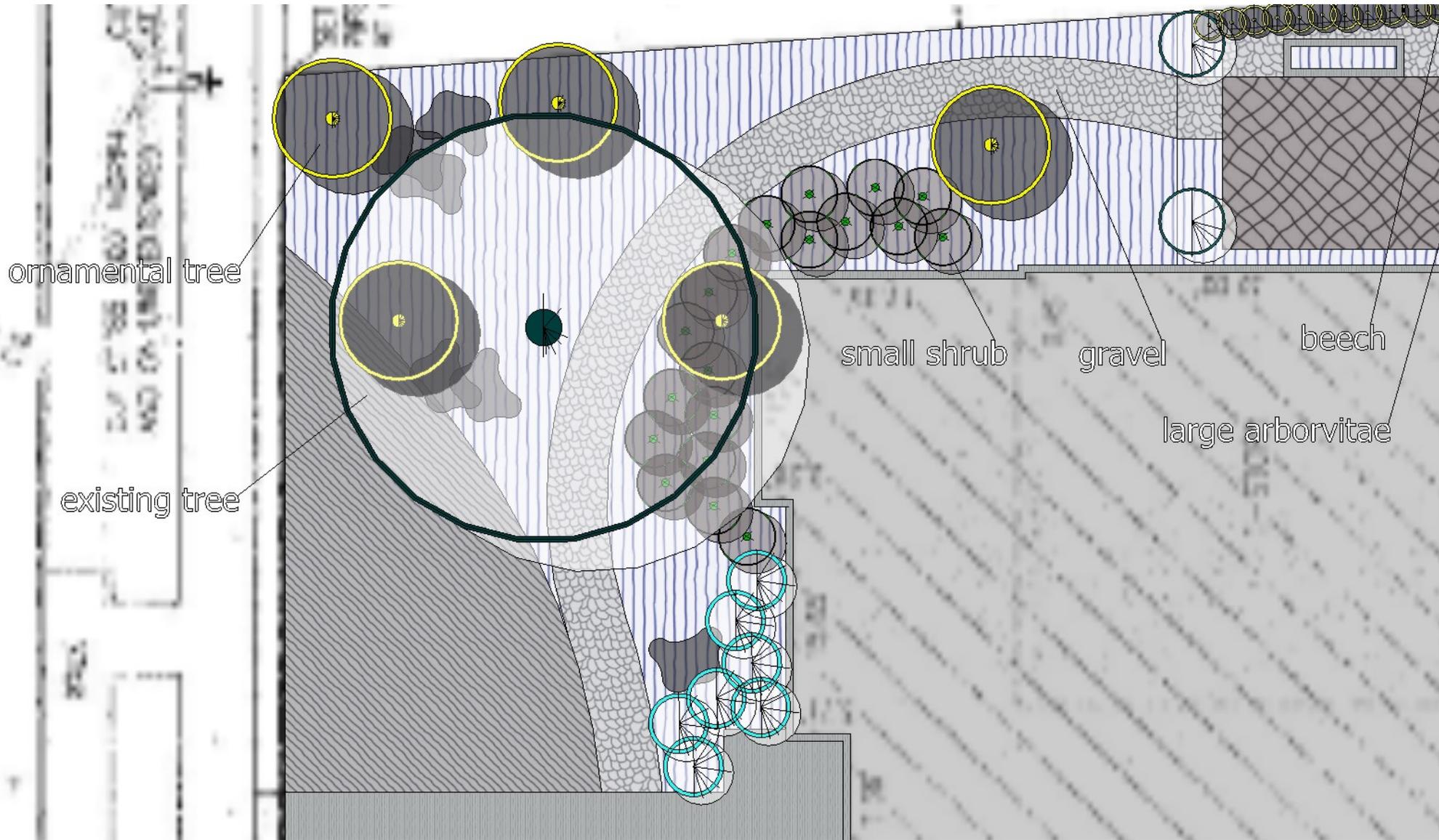
lawn

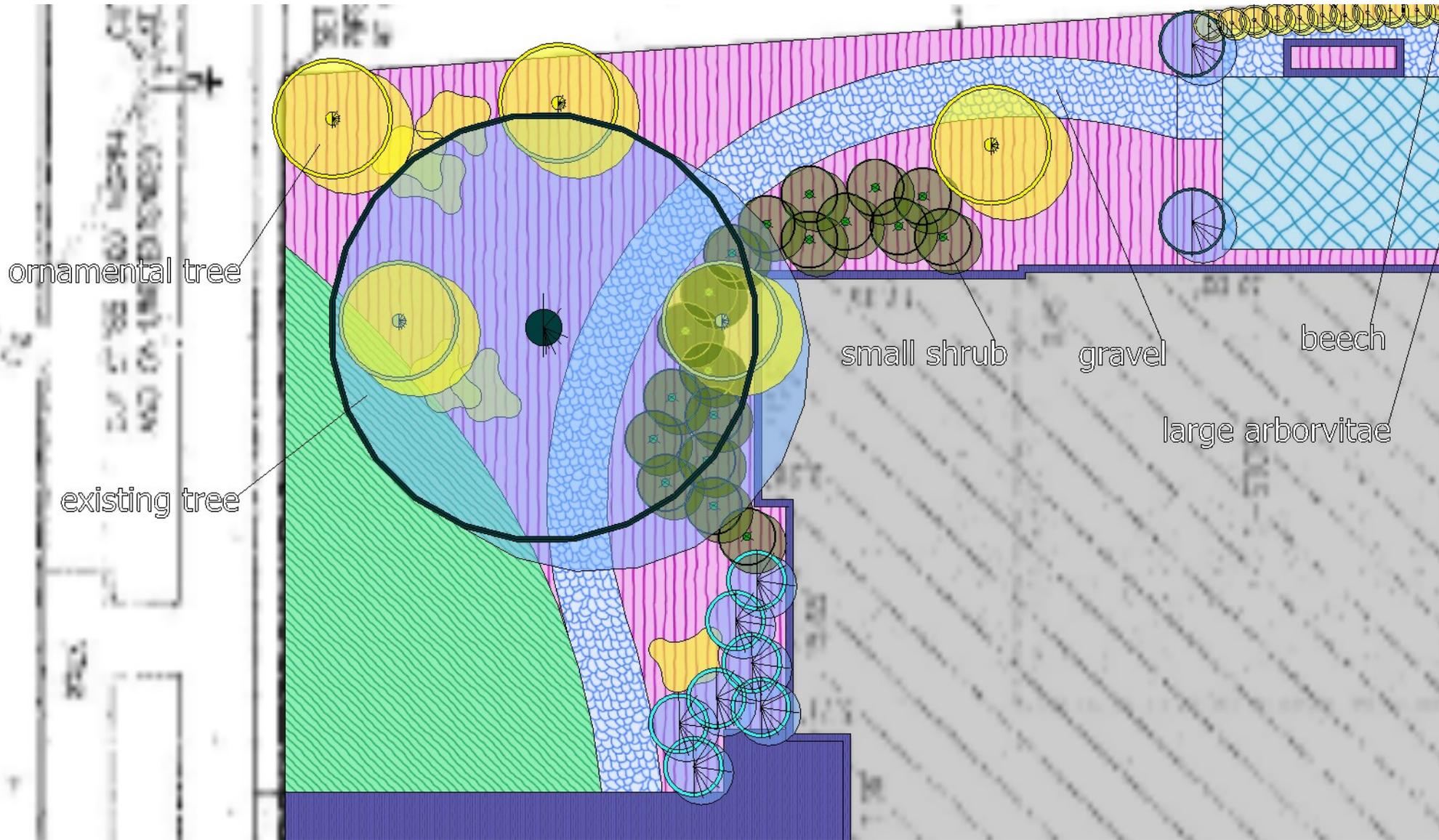
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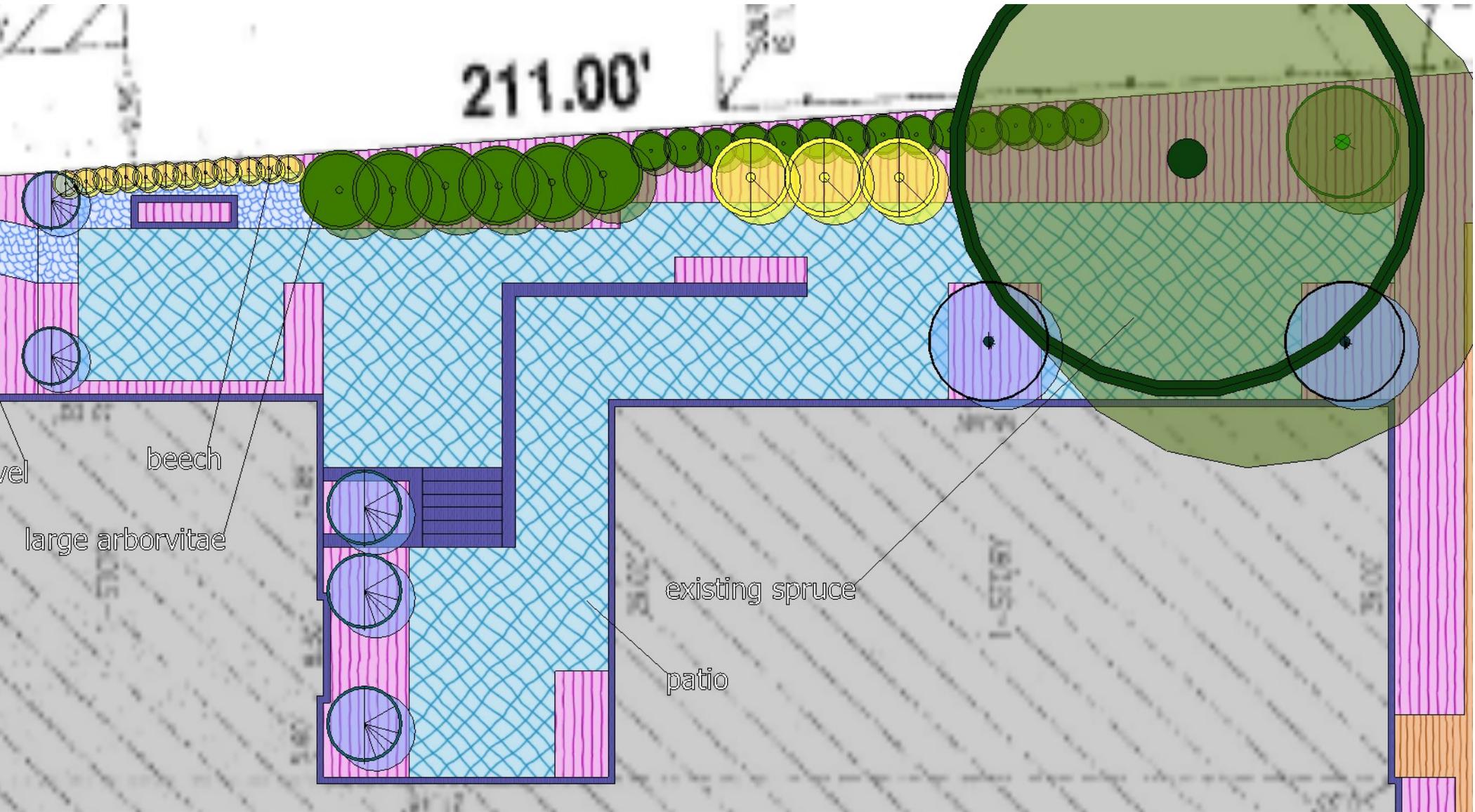
evergreen shrubs

planting bed

ornamental trees









**VILLAGE OF WINNETKA
ENVIRONMENTAL AND FORESTRY COMMISSION**

Chuck Dowding, Chairperson
Elizabeth Kunkle, Commissioner
Rosann Park-Jones, Commissioner
Barry Sylvester, Commissioner
David Varca, Commissioner
Ted Wynnychenko, Commissioner
Patrick Hanley, Commissioner
Kim Mancini, Trustee Representative
Marcus Buccellato, Student Representative
Scarlett Harper, Student Representative

GREEN AWARD NOMINATION

Green Awards were developed by the Village's Environmental and Forestry Commission to recognize properties, households, and businesses that demonstrate exceptional commitment to sustainable and environmentally-friendly practices within the Village of Winnetka.

Please complete the following information to nominate a property within Winnetka for a Green Award:

Property Address: 1390 Willow Rd, Winnetka, IL 60093
Owner: Village of Winnetka
Owner's Phone and E-mail: (847) 716-3568; gmclean@winnetka.org

1. Award Category (check all that apply):

- Climate:** Projects that reduce greenhouse gas emissions, maintain clean and healthful air, and develop resiliency to climate change impacts.
- Economic Development:** Project that promote innovation and cultivate local and sustainable development, jobs and businesses.
- Energy:** Projects that reduce energy output such as increasing efficiency or utilizing renewable energy.
- Land:** Projects that conserve, utilize or restore existing land (e.g., native plants).
- Leadership:** Projects that work collaboratively towards a sustainable region or advocate for policies that align with sustainable practices.

Revised 12/2/2022



- Mobility:** Projects that support safe, effective, and efficient transportation that uses resources wisely, integrate sustainability into transportation policies, programs and regulation, or promote public and sustainable transportation choices.
- Municipal Operations:** Projects that lead by demonstrating sustainable values and practices, integrate sustainability into all municipal operations, operate a safe, clean and efficient fleet, collect and manage data to advance sustainability.
- Sustainable Communities:** Projects that promote cultural vibrancy in the community; foster a culture of health, safety and wellness; increase access to sustainably grown local food; promote a sustainable identity for the community; or cultivate community values based on principles of sustainability.
- Water/Stormwater:** Projects that filter stormwater runoff or store stormwater on property such as bioswales, rain gardens or rain barrels.
- Waste & Recycling:** Projects that substantially reduce waste or use of recycled material. Such projects may include use of a composter, reusing recycled materials or diverting waste from landfills.
- Innovation/Other:** All other projects that do not fit into an above category.

2. **Property Type** (check one):

- Private
- Commercial
- Public

3. **Brief Description of the Project and Benefits** (use extra pages if needed): _____

The Village of Winnetka Public Works Department replaced 149 CFL light fixtures to LED light fixtures in the Public Works Maintenance Yards Facility. The switch from CFL to LED will reduce the wattage by 14,715 watts. 140 fixtures reduce the wattage from 128 to 29, smaller fixtures also reduce the wattage from 64 to 29.

4. **Approximate Date of Project Completion:** The project is substantially completed, will be officially completed by March 15, 2022.



5. Name, Address, Phone Number and Email of Nominator: _____

Diana Puga, 1390 Willow Rd, (847) 716-3550, dpuga@winnetka.org

6. Photos Enclosed

7. Signature of Nominator: _____

8. Signature of Property Owner: _____

Please send this form with photos attached and other documentation, or direct questions, to:

Diana Puga, Public Works Analyst
1390 Willow Road, Winnetka, IL 60093
(847) 716-3550 or dpuga@winnetka.org

Guidelines:

- You can nominate your own property or as many projects as you like, as long as you get the owner's signature.
- The project must have been completed within the past 5 years.
- Commercial, public, or private properties are eligible.
- All applications are reviewed and awarded by members of the Environmental and Forestry Commission.
- Deadline for application is February 28, 2022. Awards are announced at the Village Council meeting closest to April 22nd (Earth Day).

Award Criteria:

Applications will be evaluated by the Village of Winnetka Environmental and Forestry Commission based on how well the projects or initiatives meet the following criteria:

- Positive Impact - The project must have a meaningful and demonstrable impact in Winnetka by helping protect the environment or enhance the quality of life for residents.
- Embraces Innovation/Creativity - The project should reflect a new concept, technology, or practice in Winnetka and should employ new ideas in the industry.
- Overcomes Challenges - The project should explain what challenges were overcome.
- Transferable - The project should be able to be replicated by others in similar situations.
- Demonstrates Initiative - The project should reflect how the individual or group took action to move sustainability forward in their position or community.



Before



After



Before



After



Before



After

April 2022 EFC Communications Content

1. Compost Available at Village Yards

E-Winnetka Newsletter

The Village offers free leaf-based compost material to residents beginning in Spring. Residents are welcome to pick up compost at the Public Works Facility located at 1390 Willow Road between 7:30 a.m. to 3:00 p.m. on weekdays. Residents are asked to supply their own container or bucket. Residents should call in advance to ensure there is an ample supply available.

2. Phosphorus Ordinance

E-Winnetka Newsletter

As a measure to protect water quality by reducing phosphorus runoff, the Village developed an ordinance banning the use of phosphorus-containing fertilizers within the Village. State law already prohibits the application of phosphorus-containing fertilizers by commercial applicators. The Village's ordinance complements the state law and allows exceptions for the Park District and residents when phosphorus doesn't naturally occur at high enough levels, is otherwise low, and for newly sodded or seeded lawns.

While phosphorus is an essential nutrient for healthy plant growth, it is already present in efficient levels in our local soils. The application of excess phosphorus degrades water quality by causing excessive growth of algae and other aquatic plants, depleting dissolved oxygen and reducing biodiversity. Because residents are no longer permitted to use phosphorus-containing fertilizers, phosphorus-free and organic fertilizers are an effective alternative that can be found at most hardware stores. If you have any questions, please contact the Public Works Department at 847-716-3568.

3. Earth Day – April 22, 2022 and Arbor Day – April 29, 2022

E-Winnetka Newsletter

Residents are encouraged to celebrate Earth Day on April 22, 2022. Earth Day has become a globally-recognized day dedicated to protecting our environment. First celebrated in 1970, Earth Day is now celebrated in more than 190 countries.

In addition to Earth Day, residents are encouraged to celebrate Arbor Day on April 29, 2022. The Village of Winnetka invites residents to come to the Public Works facility at 1390 Willow Road and

Village Hall at 510 Green Bay Road to obtain FREE tree seedlings. Arbor Day has been celebrated since the tradition first began in 1872 in Nebraska. Seasonal tree information displays along with free tree seedlings will also be available. Today Arbor Day is internationally recognized and celebrated in many countries around the world. Trees provide many social, ecological and economic benefits to our society worldwide. If you have any questions or need an inspection of your own trees, please call the Village Forester at 847-716-3289.

May 2022 EFC Communications Content

1. Green Awards Recipients

Summer Winnetka Report & E-Winnetka Newsletter

(TBD after April 26th Village Council Meeting)

2. Stormwater Best Management Practices Guide for Residents

E-Winnetka Newsletter

In 2016, the Environmental and Forestry Commission developed a guide for homeowners of stormwater best management practices. This guide is a resource for homeowners to educate and give practical examples of ways to make properties stormwater-friendly. The recommended stormwater best management practices in this guide are intended to help with stormwater control and may not solve all stormwater problems. This guide can be found on the Village website: <http://www.villageofwinnetka.org/government/boards-and-commissions/environmental-and-forestry-commission/>. If you have any questions, please contact the Public Works department at 847-716-3568.

3. Environmental and Forestry Commission Recycling Tip - Break Down All Boxes

E-Winnetka Newsletter

Each ton of cardboard recycled saves 46 gallons of oil and 390 kWh of energy. The Village's recycling provider encourages the recycling of cardboard and other paper-based materials. Prepare cardboard for recycling by removing all materials in the box such as plastic wrap, polystyrene, and other packaging materials. Breaking down boxes saves storage space and reduces pick up costs. Keep cardboard dry and free from excessive food waste. Cardboard can get wet and still be recycled, but is more difficult to carry due to the added weight of the water.

4. Environmental and Forestry Commission Recycling Tip – Leave Lids on Plastic Containers

E-Winnetka Newsletter

To remove or not to remove lids when recycling? The Village's recycling provider, Lakeshore Recycling Systems, asks residents to leave caps on plastic bottles and glass jars when recycling. This keeps residual liquids contained and the small lids from clogging the sorting machines. Most plastic bottles are categorized as plastic #2, while their caps are plastic #5.

5. Pesticide Alternatives

E-Winnetka Newsletter

Pesticides are chemicals used to kill unwanted insects and pests (often mosquitoes). Often, they have negative effects on lots of other species, including bees, cats, fish, birds and even humans, especially children. There are many reasons not to use pesticides and plenty of alternatives. To keep your yard mosquito free without harming your bees, butterflies, pets and children, you could use safe repellents (be aware that many companies that advertise as organic and safe are not), mosquito repellent plants (such as lavender, marigolds, basil, sage, bee balm, lemongrass and rosemary), screened in porches (which allow outdoor bug free space) and eliminate standing water for mosquitoes to lay eggs. Before you use pesticides, consider what you are using in your yard and how it affects your animals and your neighbors.

EFC Communications Calendar		
Month	Item	Winnetka Report Deadline
<i>January 2022</i>	EFC Green Awards Application Reminder Reduce Energy Use & Costs in Your Home & Business Make the Switch from Incandescent Bulbs to LED Holiday Lights Recycling Ways to Avoid Using Poisonous Mouse Bait	
<i>February 2022</i>	EFC Green Awards Application Reminder EFC Tip: Think Before You Buy EFC Tip: Think Before You Pack	
<i>March 2022</i>	Coal Tar Sealant Reminder Electronics Recycling Program Resuming Clean Up Week EFC Tip: Use Your Car Less Disposing of Food Waste Responsibly EFC Tip: Reduce Vehicle Idling	
<i>April 2022</i>	Compost Available at Village Yards Phosphorous Ordinance Earth Day and Arbor Day	
<i>May 2022</i>	Green Award Recipients Stormwater Best Management Practices Guide for Residents EFC Recycling Tip: Break Down All Boxes EFC Recycling Tip: Leave Lids on Plastic Containers Pesticide Alternative	
<i>June 2022</i>	Coal Tar Sealant Reminder Gas Powered Leaf Blowers Ban Removal of Buckthorn and other Invasive Species Recycling Tip: Containers, Liquid and Food Residue Recycling Tip: Plastic bags and film	
<i>July 2022</i>	Paper Shredding Event Hosting Zero-Waste Event Recycling Tip: Plastic Silverware Recycling Tip: Styrofoam Stormwater-Friendly Landscaping Green Awards Recipients	
<i>August 2022</i>	Recycling Tip: Paper Napkins, Towels & Tissue Recycling Pumpkin Composting Event Curbside Leaf Collection	
<i>September 2022</i>	Pumpkin and Leaf Collection Butterfly Pollinator Garden Back to School or Tree Care	
<i>October 2022</i>	Pumpkin and Leaf Collection	
<i>November 2022</i>	Holiday Lights Recycling America Recycle Day Fall Leaf Collection Battery Recycling Plastic Bag, Film, and Wrap Recycling EFC Recycling Tip: Textile Recycling EFC Recycling Tip: Natural Light During Winter	
<i>December 2022</i>	Holiday Tree Pick-Up Holiday Lights Recycling Commercial District Business Lighting Use of natural light during winter Recycling – Styrofoam	