



VILLAGE OF NORTHBROOK ENVIRONMENTAL QUALITY COMMISSION

Thursday, January 21, 2021



Important Notice:

Pursuant to Section 7(e) of the Illinois Open Meetings Act (5 ILCS 120/7(e)) of Governor Pritzker's Executive Order 2020-74, this meeting of the Northbrook Environmental Quality Commission will be conducted remotely through a video conference call and will not be held at Village Hall. If you wish to hear the discussion or watch the meeting remotely, please contact Michaela Kohlstedt, Deputy Director of DPS, at michaela.kohlstedt@northbrook.il.us for call-in or viewing instructions

Audio conference: Dial: 408-418-9388
Access code: 146 639 6508

Individuals wishing to watch the video conference at the Village Hall may call 847-664-4057 by 4pm Thursday January 21 to reserve a seat where there is limited seating (7 seats) and masks will be required as well as maintaining proper social

REMOTE MEETING AGENDA

7:00 P.M.

- 1) Call To Order
- 2) Review of Minutes – November 19, 2020 Meeting
- 3) Hear From the Audience – Items not on the agenda
- 4) Community Planning Report
 - a) Introduce Chan Yu, Deputy Director of Development & Planning Services Department
- 5) Northbrook Sustainability Baseline Assessment & Climate Action Plan Team Update
- 6) Earth and Arbor Day Update
- 7) Green Business and Green Resident Award Update
- 8) E-Newsletter and Newsletter Sustainable/Green Topics Discussion
- 9) Updates on Other Items:
 - a) Communication Initiatives & Messaging
 - b) Solar Permit Data
 - c) Village Plastic Bag Recycling Update
 - d) Recycling & Waste Data – Solid Waste, Electronics, Recycling, Light Plastics, Composting
- 10) Old Business
- 11) New Business
 - a) Pesticide Discussion from Winnetka Environmental & Forestry Commission
- 12) Remarks for the Good of the Order
- 13) Next Scheduled Meeting – February 18, 2021
- 14) Adjourn.

The Village of Northbrook is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations in order to allow them to observe and/or participate in this meeting, or who have questions regarding the accessibility of this meeting or the facilities, are requested to contact Greg Van Dahm or Debra J. Ford (847-664-4014 and 847-664-4013, respectively) promptly to allow the Village of Northbrook to make reasonable accommodations for those persons. Hearing impaired individuals may call the TDD number, 847-564-8465, for more information.

Jeremy Reynolds, Chair of the EQC

**SUMMARY OF THE
CLIMATE ACTION PLANNING TEAM MEETING
VILLAGE OF NORTHBROOK
November 9, 2020**

Call to Order

Deputy Director of Development and Planning Services Michaela Kohlstedt called the CAPT meeting to order at 7:00 p.m. in a remote meeting through Zoom virtual meeting platform. Ms. Kohlstedt was present in the Village Hall, but there were no members of the public in attendance in the building.

Roll Call

The following Members were in attendance: Trustee Israel, Trustee Ross, Patti Vile, Aaron Stash, Swati Pandey, Becky Mathison, Clare Poupard, Derrik Chen, Fred Rosenberg, Frank Bleeker, Steven Elisco, Scott Robson, Sandra Weiss, Patrick Lederer, Nell Badgely, Robyn Kole, Len Rago, Kim Ptak, John Albrecht, Jeni Brickman, Jill Franklin, Joan Scovic, Aaron Stash, and Becky Mathison,

The following Village Staff were in attendance: Michaela Kohlstedt, Tom Poupard, Jackie Clawson, Madeline Farrell, and Corey Friedman.

Also Present paleBLUEDot consultant Ted Redmond, Greenest Region Corps Member Tessa Murray.

Public comment

There were no members in the audience.

CAPT Meeting Standard of Conduct

Ted Redmond read the rules of conduct.

Project Overview

Ted Redmond reviewed Northbrook's Climate Action Plan and its overarching goals: to mitigate greenhouse gas emissions and adapt to climate change impacts. The members of this team are responsible for co-developing a plan of incentives, advocacy programs, and required actions.

Background Information Review

Ted Redmond reminded the team that all resources are available on the CAPT Team Webpage at <https://palebluedot.llc/northbrook-cap>. He outlined the basic results from the Community Survey and Listening sessions to date, in which the majority of respondents supported taking immediate action to combat the impacts of climate change. Ted summarized the five baseline reports assessing Northbrook's current climate metrics. At this time, Member Stash asked for clarification on how Northbrook's greenhouse gas emission inventory is defined. Ted explained the inventory includes the entire community's emissions with all public and private sectors accounted for (residential, industrial, commercial) in this number.

Mr. Redmond reminded members to review the Baseline Assessment and Strategy Goal Recommendations and any other section relating to their sub-teams before the next CAPT meeting in December. Additional to these documents, Ted also told members to read the Appendix of the Community Input Survey. The Appendix provides long answer responses from community members about topics relating to your sub-teams. Many valid recommendations to consider are included in these responses.

Process Overview

Ted Redmond told members to sign up for groups if they had not yet gotten the chance to, and spoke on the organization of sub-teams as follows:

1. Group 1:
Transportation and Land Use
Waste Management
Local Food and Agriculture
2. Group 2:
Buildings and Energy
Health and Safety (including extreme heat, air quality)
3. Group 3:
Water and Wastewater
Greenspace and Tree Canopy
Climate Economy

Michaela Kohlstedt made note that Village staff members are to sign up in a separate column on the spreadsheet. Next, the team was told to make note of the next workshop sessions, each three hours in length:

1. December 14th 6PM (ACTIONFinder training workshop)
2. January 11th 6PM
3. February 8th 6PM
4. March 8th 6PM
5. April 12th 6PM (draft plan review)

Then, Mr. Redmond reminded members of the following tools that will be used in upcoming sessions:

1. Team Webpage
2. ACTIONFinder: is an Excel based tool that allows CAPT members to search a database of pre-existing actions and strategies used in CAPT plans all over the country, spanning 13 different categories. Members have the ability to add new actions as well.
3. Action Criteria Screening Examples: At our next workshop CAPT members will spend time choosing five strategy screening criteria (i.e. equity, economic impact, etc.) that will each be used to review against every chosen action in our CAPT plan.

Mr. Redmond reminded the members of the following action items to accomplish before next meeting:

- Make sure you are signed up for 3 subteams (1 in each group)
- Review background documents – particularly those related to your subgroups:
 - Baseline Assessment and Strategy Goal Recommendations (everyone)
 - Review and consider Draft GHG Goal Recommendation (Baseline Assessment document, page 0-3)
 - Review and consider Example Action Screening Criteria
 - Community Survey + Listening Sessions to Date (Appendix is particularly useful)
 - Climate Vulnerability Assessment
 - GHG Inventory
 - Tree Survey and Carbon Sequestration
 - Solar Potentials Study

Trustee Bob Israel defined sustainability as “meeting the needs of the present generation without compromising the ability of future generations to meet their own needs”. He provided examples of his work in transportation that incorporate this definition and mentioned the potential opportunity for similar goals for Northbrook’s CAPT.

Adjourn

At this time, Michaela told members any questions can be directed to her or Tessa Murray via phone or email. Michaela Kohlstedt adjourned the meeting at 8:56 p.m.

Respectfully submitted,

/s/ Tessa Murray
Recorder

**SUMMARY OF THE
CLIMATE ACTION PLANNING TEAM MEETING
VILLAGE OF NORTHBROOK
December 14, 2020**

Call to Order

Deputy Director of Development and Planning Services Michaela Kohlstedt called the CAPT meeting to order at 6:00 p.m. in a remote meeting through Zoom virtual meeting platform. Ms. Kohlstedt was present in the Village Hall, but there were no members of the public in attendance in the building.

Roll Call

The following Members were in attendance: Trustee Israel, Trustee Ross, John Albrecht, Nell Badgley, Frank Bleeker, Derrik Chen, Steven Elisco, Jill Franklin, Melissa Hirsch, Robyn Kole, Pat Lederer, Becky Mathison, Clare Poupard, Len Rago, Scott Robson, Joan Scovic, Aaron Stash, Patti Vile, and Sandy Weiss.

Members absent: Jeni Brickman, Kim Ptak.

The following Village Staff were in attendance: Michaela Kohlstedt, Tom Poupard, Jackie Clawson, Madeline Farrell, Corey Friedman, Erik Jensen, Matt Morrison, Kelly Hamill, and Swati Pandey.

Also Present: paleBLUEdot consultant Ted Redmond, Greenest Region Corps Member Tessa Murray, Tracey Becker, and Doug Gerleman.

Public Comments Regarding Items Not on the Agenda

Tracey Becker stated her support for the CAPT to be taking formal steps in implementing climate change adaptation strategies as the situation becomes dire. She reminded the CAPT members that no step is too small. She vocalized concern for her teenage children that climate change will lead to food insecurity and more than one pandemic in their lifetime. She hopes the plan will result in increased biodiversity in Northbrook.

Doug Gerleman agreed with Tracey that the CAPT is a wonderful step forward for Northbrook. He hoped members will consider focusing on landscape improvements over tree plantings to advance stormwater drainage and carbon storage. He cited Northbrook's Village Forester Terry Cichocki's recommendations for native plants. He mentioned Northbrook Community Television as a potential opportunity to begin the conversation on sustainable landscaping choices.

Welcome Comments and Meeting Goal Overview

paleBLUEdot consultant Ted Redmond thanked the members of the public for their input. He explained that the goal of this workshop is to gather a preliminary consensus for target greenhouse gas reduction, action screening criteria, and begin breakout discussions in subteam groups. This meeting will have three breakout sessions where members will hear short presentations from Village staff related to each subteam topic. After presenting, members can discuss preliminary strategic goals related to each sector.

High-Level Review of Climate Action Plan Example

Mr. Redmond provided an overview of Northbrook's baseline assessment drafts' recommendations as they are separated into mitigation and climate adaptation strategies. Mr. Redmond explained that strategies should contain specific target numbers, such as energy efficiency improvements like a 10% reduction in electricity and 5% reduction in natural gas consumption by 2030. Once these are established, detailed actions can be identified using the Climate Action finder tool, and paleBLUEdot will conduct emissions modeling to calculate the potential reduction in emissions if the plan is implemented within 10 years. The final products of the Climate Action Plan will include a document and implementation matrix with detailed actions organized by strategy.

Member Albrecht asked if agencies beyond the Village will commit to these same goals and Mr. Redmond answered that this plan hopes to inspire community-wide action. Member Rago asked if the recommendations listed in the baseline assessments are known to be feasible from other communities' experiences. Mr. Redmond said the intention of goals should be at a point between doable and far-reaching. Mr. Redmond mentioned that of the baseline documents, the waste management goal recommendation may be the most unfeasible. The current recommended goal is a 51% landfill diversion rate by 2030, which doubles Northbrook's current diversion rate.

Review of Overall GHG Reduction Goal

Mr. Redmond explained that Northbrook's emissions reduction goal aligns with Illinois' executive order that commit the state to the mission of the Paris Agreement to cap temperature rise to 2 degrees Celsius. This involves a 25-55% reduction in greenhouse gas emissions below Northbrook's baseline 2018 levels by 2030 and 80% below 2018 levels by 2040. After a poll and further discussion, the team members agreed to these preliminary goals and to reassess at a later time.

Breakout Round 1

Mr. Redmond instructed each subteam group to first establish a team lead to represent the group and provide a synopsis on what was discussed when members reconvene in the main room.

As a representative for the Transportation and Land Use subteam, Member Stash summarized that Director of Public Works Kelly Hamill presented on the importance of education in decreasing vehicle miles travelled and lifting public transit as shared mobility. They discussed possibility of 50% electrification as a goal for Village vehicles and connecting with other communities to evaluate feasibility of electric vehicle usage for Public Works' tasks.

The subteam representative for Waste Management, Member Weiss, reported on Assistant Village Manager Madeline Farrell's presentation. Ms. Farrell provided an overview of residential services offered by Northbrook and mentioned that the Village is contracted with Advanced Disposal until 2024. The subteam spoke on incentivizing recycling and reducing barriers to residents through better communication and reporting on how much is actually recycled. The group liked the idea of reaching out to people who do not recycle to understand what causes this. Member Weiss advocated for better communication to all Northbrook residents, as the information Ms. Farrell provided does not account for industrial, commercial, or multi-family unit recycling services. Lastly, Member Weiss reported that Northbrook withdrew from Solid Waste Agency of Northern Cook County 20 years ago due to the high costs of membership, but suggested revisiting the possibility of membership due to the benefits the Village would receive from this agency in terms of increasing transparency and reducing landfill waste.

Trustee Ross reported for Village staff members Swati Pandey and Tessa Murray's discussion on Local Food Systems, such as the farmers' market and community gardens. The subteam liked all recommendations presented in paleBLUEdot's baseline assessment, and wants to build upon these goals with expanding education on soil degradation and programs already in place that the Village offers, such as free mulch or rain garden reimbursements. Trustee Ross added that organic gardening resources from the nearby Chicago Botanic Garden should be utilized. Member Lederer wanted to expand the scope of local food beyond garden produce to include food processed in Northbrook. He also mentioned hydroponics as a year-round food source that could be developed further in industrial areas of the Village.

Breakout Round 2

Member Albrecht represented the Building Energy subteam, reporting that Building Official Jackie Clawson spoke on the building codes and building ordinances that were last updated in 2018 by the International Code Council. Northbrook has begun adopting codes to align with sustainable practices through electric vehicle readiness and streamlining solar panel permits with SolSmart certification. Member Albrecht added that through these initial steps already taken by the Village, Northbrook successfully reached the goal of 20% reduction in building energy by 2020. The group discussed that the green building incentive ordinance may be underutilized because it centers LEED

certification, and this could be developed by considering other green frameworks. Member Albrecht mentioned Energy Star's retrofitting certification as a possibility. The subteam agreed that LED's are an easy way to achieve energy reduction in buildings. Also, the subteam underscored that these goals must make economic sense for commercial and industrial stakeholders. Member Albrecht hoped for more information on retro-commissioning and switching building energy from natural gas sources as resources for the Building and Energy subteam.

Member Kole spoke as a representative for the Climate Health and Safety subteam and said that Ms. Kohlstedt spoke on Northbrook's Affordable Housing Plan and goals of improving education on emergency preparedness through multiple communication platforms. The group discussed re-wording some of the recommended goals and defining Northbrook's vulnerable populations based on age and health. They hope to reduce flooding in Northbrook to eventually eliminate the issue.

Breakout Round 3

Member Rago spoke for Deputy Director of Public Works Matt Morrison's presentation on Water and Wastewater. He overviewed Northbrook's 20 million gallon a day water treatment plant, in which Northbrook sells treated lake water, and the paid service in which our wastewater is collected and conveyed to the north branch of the Chicago River by the Metropolitan Water Reclamation District. Goals for water conservation include a reduction in drinking water and wastewater generation of 7.5% each by 2030 if natural improvements of water fixtures in industry are executed. The group raised concerns about increased intensity and frequency of flood events, and proposed adding retention ponds to property downtown that will only drain when low flow conditions return after large storm events. They also spoke on expanding incentives for individual property owners to reduce runoff through rain gardens with native plants accustomed to soaking up more water than ornamental gardens and lawns.

As a representative for Tree Canopy and Greenspace, Member Poupart detailed Mr. Hamill's presentation starting with the 2001 Tree Preservation Ordinance in which trees removed for development must be replaced. Additionally, with the 50/50 Tree Planting Program, 79 trees are added to Village parkways each year on average through collaboration with Public Works and private citizens. With this and the 50/50 Rain Garden reimbursement program, the responsibility of maintenance is put on citizens. The group supported developing incentives for green roofs and permeable paver lots.

Member Robson spoke for the Climate Economy subteam and summarized Director of Development and Planning Services Tom Poupart's review of where Village revenue comes from and how it relates to climate change. The presentation stated since the Village has space for development, Northbrook's opportunistic economy is positioned to attract green businesses and invigorate a growing workforce for the renewable energy industry. The subteam agreed that paleBLUEdot's recommendations are a good place to start but the last two points on marketplace climate resilience and financial climate implementation need to be adapted to Northbrook's situation for our solution and remediation plan.

Strategy Screening Criteria Selection

Mr. Redmond explained that the members should take 15 minutes for voting on which criteria to select that will be used to evaluate the effectiveness of adopting different climate actions for Northbrook. Each member will vote for their top five criteria options from the list available at the provided link. Then, members will vote on how many screening criteria Northbrook will use. Mr. Redmond explained that the larger number of criteria used to screen each action, the more time it will take to review each proposed action.

After 15 minutes of deliberation, members voted to use four screening criteria: impact of implementation, support, potential for success, and affordability / overall cost to benefit.

ACTIONFinder Tool Review and Training

Mr. Redmond reminded members to access ACTIONFinder on the team's webpage. He explained that each subteam has a shared online excel document that remains searchable, editable, and can be added or deleted from by all

subteam members. Mr. Redmond can retrieve document history if it gets deleted on accident. The purpose of this tool is to give each subteam a chance to explore potential ideas from actions already in place in other communities regionally or nationwide. Individual members can save actions they are interested in under the “Save strategy” column and share thoughts under the “Comments” column. Mr. Redmond said members should communicate with him first before adding actions to a subteam’s excel sheet that is not a subteam in which he or she belongs.

Next Steps

Mr. Redmond highlighted that team members should explore the ACTION Finder tool, “saving” actions they are interested in, and writing new actions as inspired for each subteam. Ms. Kohlstedt reminded that a follow-up email will be sent to members with all the information they need on next steps to be completed before the next meeting on January 11, 2021.

Adjourn

At this time, Ms. Kohlstedt told members any questions can be directed to her or Tessa Murray via phone or email. She adjourned the meeting at 9:39 p.m.

Respectfully submitted,

/s/ Tessa Murray
Recorder

**SUMMARY OF THE
CLIMATE ACTION PLANNING TEAM MEETING
VILLAGE OF NORTHBROOK
January 11, 2021**

Call to Order

Deputy Director of Development and Planning Services Michaela Kohlstedt called the CAPT meeting to order at 6:01 p.m. in a remote meeting through Zoom virtual meeting platform. Ms. Kohlstedt was present in the Village Hall, but there were no members of the public in attendance in the building.

Roll Call

The following Members were in attendance: Trustee Israel, Trustee Ross, John Albrecht, Frank Bleeker, Steven Elisco, Jill Franklin, Robyn Kole, Pat Lederer, Becky Mathison, Clare Poupart, Len Rago, Aaron Stash, Patti Vile, and Sandy Weiss.

Members absent: Jeni Brickman, Melissa Hirsch, Kim Ptak, Joan Scovic, Scott Robson, Derrik Chen, and Nell Badgley.

The following Village Staff were in attendance: Michaela Kohlstedt, Tom Poupart, Jackie Clawson, Madeline Farrell, Corey Friedman, Erik Jensen, Matt Morrison, Kelly Hamill, and Swati Pandey.

Also Present: paleBLUEdot consultant Ted Redmond, Greenest Region Corps Member Tessa Murray, and Members of the public: Ying Wang, and Doug Gerleman.

Public Comments Regarding Items Not on the Agenda

Doug Gerleman spoke on conserving energy in buildings through a blower door test, a machine used to measure the airtightness of buildings. He encouraged CAPT members to look into this or bring in a consultant for this service. Mr. Gerleman also urged the team to consider methods of carbon storage beyond tree planting, such as replacing parkway landscaping with native plantings. He mentioned clovers for ground cover and prairie grasses that have deep roots to sequester carbon within soil.

Ying Wang (member of GoGreen Northbrook) inquired about access to Northbrook's baseline assessment draft documents, and also asked how progress will be tracked for any goal of reducing greenhouse emissions that the CAPT commits to in years following. Ms. Kohlstedt responded that baseline documents are available on the Village website's Climate Action Plan page (<https://www.northbrook.il.us/993/Climate-Action-Plan>), and reminded that all other CAPT documents are currently in progress and not yet available to the public. Mr. Redmond responded that the plan will have an implementation matrix with a schedule to conduct greenhouse gas inventories at set intervals of time, to ensure emissions are decreasing as Northbrook takes action.

Welcome and Meeting Goal Overview

Mr. Redmond reminded members that the intent of the ACTION finder tool is to create a space to brainstorm ideas for Northbrook's climate plan. He made note that for some categories there may be repeated actions listed, and advised members to "save" only one of the same action. For members wishing to create their own action, they can either add them onto the ACTION finder spreadsheet or work in their own document. All actions will be refined and consolidated in upcoming workshops.

Sub-Team Breakouts – Consensus on Sector Goals

Mr. Redmond emphasized that the task for each breakout session is to collaborate in reviewing what actions may have potential for Northbrook and what may be missing from this list. Ms. Kohlstedt explained that each subteam

should designate a note-taker and presenter who will have three minutes to report back to the main group with a list of the main actions this sector is interested in pursuing.

Breakout Round 1: Transportation/Land Use, Waste Management, Local Food

Member Kole represented the Transportation and Land Use subteam and first shared that the group agrees the Village should act as a model to its residents in bringing on a fleet of all electric vehicles. The team also discussed creating an app that encompasses all things transportation in Northbrook, with updated information and maps for bike paths, pedestrian paths, construction, and traffic. The team also determined that a full time staff person would be needed to oversee the entire project. They wish to pursue greater transparency in how much approved transportation plans cost and how long they take to construct. The subteam group also discussed reviewing the zoning of parklets and increasing downtown density.

Member Mathison stated support for mandatory recycling for all building types (commercial, industrial, construction, single and multi-family residential) on behalf of the Waste Management subteam. Member Mathison explained the goal of a communications campaign to inform residents on how to reduce waste through repurposing, composting, and recycling. This should involve clarification on what can and cannot be recycled in Northbrook and more reliable data from our waste service providers. Next, the team mentioned strategies for reducing single-use plastic items in take-out packaging through the promotion of bringing your own containers and including directions for how to recycle materials, and considering adding a fee to single-use plastic items. Lastly, Member Mathison stated the team's idea to reduce food waste through the creation of a program that coordinates composting or donating leftover food.

On behalf of the Local Food group, Trustee Ross stated that the team should review zoning codes and evaluate the cost of installing indoor farming and hydroponics systems in Northbrook, particularly in commercial areas and empty warehouse space. The group also discussed establishing multiple inter-departmental collaborations between the Village and partnering entities: the school districts, Northbrook Park District, and Northbrook Public Library. Members agreed that planting a public food forest for residents to learn from and enjoy may be a viable opportunity for the Village to pursue with a landholding partnership. Another collaboration Trustee Ross mentioned is a virtual library program with general education on how to landscape sustainably in Northbrook. The group suggested the Village create a program similar to the reduced price rain barrels for compost bins, or partner with a business that will process residential compost and sell back to residents for their gardens. A local Northbrook business, the Organic Gardener, may be a resource to reach out to for multiple projects. Finally, the Local Food groups hope to see the Village encourage food donation programs, educate local restaurants and grocery stores about repurposing food, and look into tax incentives for doing so.

Breakout Round 1: Buildings and Energy, Climate Health and Safety

Member Friedman led the discussion for the Buildings and Energy subteam in which members focused on encouraging energy efficiency in existing stock of commercial buildings through multiple possible approaches. One idea is to establish a relationship between a solar farm contractor and commercial building owners. For commercial building owners to see an economic advantage to solar installation, the contractor should either take charge of roof maintenance upon installing or lease out the space of the roof as a tenant space. Another suggestion Member Friedman raised is a program similar to ComEd's rebate incentives to change lighting fixtures to LED, if something similar exists for heating systems. Additionally, the team agreed to look into IL PACE and CPACE, which provide for communities to sell bonds that pay for energy efficiency upgrades to commercial buildings. A webinar that reviews the pros and cons of cool roofs, green roofs, white roofs, and PV systems may serve as an opportunity to improve Northbrook community member's understanding of building energy efficiency.

Member Weiss spoke on behalf of the Climate Health and Safety team, stating the need for cooling centers for vulnerable populations. To address heat islands in Northbrook, the team wants to incentivize efforts to replace

asphalt with permeable materials either through reviewing Village code, or through bidding and permitting processes. Another idea discussed was a code modification to require more greenspaces and tree plantings in new developments for benefits to air quality and local cooling effects. Member Weiss also called for providing education on the risks and illnesses associated with extreme heat events and poor air quality in multiple languages.

Breakout Round 3: Water and Waste Water, Greenspace/Tree, Climate Economy

Trustee Israel represented the Water and Wastewater subteam and began by reminding members that a natural reduction in water consumption of 7% per year occurs due to improvements in hydrological technology and design. He stated that the group agreed that reducing gray water (wastewater generated from all sources other than toilets) usage should be a top priority. Trustee Israel also mentioned that the Village should support water conservation by using irrigation systems that do not start when moisture is detected. This plan should first review multiple methods of stormwater management (permeable pavements in soils with high clay content, flood-tolerant plantings) and choosing the most effective opportunity for water detention and absorption in Northbrook.

On behalf of the Greenspace and Tree Canopy subteam, Member Poupard began summarizing a comprehensive action item (number 206 on the ACTION finder tool) that plans out an all-encompassing tree and plant maintenance guide and designates a Village employee as responsible for implementing this interdepartmental and intergovernmental effort. Members of this subteam agreed on the creation of an expansion to the parkway tree program, to include private property or to allow crowdsourcing of funds to plant trees in underserved tracts of Northbrook. Member Poupard mentioned incentivizing lawn contractors to switch to electric equipment by allowing quieter gear to start earlier in the morning. This subteam echoed the idea of creating a campaign to shift practices in lawncare to inform on benefits of leaving leaves, avoiding pesticides, and planting natives. The plan could also include creation of volunteer events run through the Village for invasive removal and tree planting days. Finally, Member Poupard mentioned planting natives in parkways, planting trees in parking lots that have not yet updated to Northbrook's new standard, and improving connectivity between green spaces through public or private sponsorship with larger businesses.

Director Poupard recounted that the Climate Economy subteam members agree on a main focus of positioning Northbrook as an attractive place for green businesses. He mentioned methods to accomplish this could include county real estate or property tax incentives for green businesses or those that improve their sustainability efforts. Mr. Poupard also spoke on expanding the Green Awards into a more constant certification process for green businesses. He described the possibility of a "sustainability impact fee" for new developments that receive payback when certain environmental standards and requirements are met. The subteam members also discussed promoting living near where you work and the repurposing and reusing of building materials as additional climate strategies.

Next Steps

Mr. Redmond clarified that if subteams would like to work collaboratively, feel free to do so. If any team decides to review actions in an extra breakout session, Mr. Redmond can help coordinate a Zoom link. CAPT members should focus getting all potential ideas "saved" and entered into ACTION finder tool before February 1. After this the team will begin to organize actions relative to larger strategic goals and reviewing against screening criteria. The next CAPT meeting will be held on February 8 at 6:00 p.m.

Adjourn

At this time, Ms. Kohlstedt told members any questions can be directed to her or Tessa Murray via phone or email. She adjourned the meeting at 8:49 p.m.

Respectfully submitted,

/s/ Tessa Murray
Recorder



VILLAGE OF NORTHBROOK MEMORANDUM DEVELOPMENT & PLANNING SERVICES

TO: ENVIRONMENTAL QUALITY CONTROL COMMISSION
FROM: TESSA MURRAY, GREENEST REGION CORPS MEMBER
DATE: JANUARY 21, 2021
SUBJECT: GREEN BUSINESS AND RESIDENT AWARDS

INTRODUCTION

On January 21, 2021, the Environmental Quality Commission will review the program descriptions and program applications of the annual Green Awards. This review offers the Commission an opportunity to consider changes to the program such as timing of the award or the nomination process. Please see the following attachments of program information and applications for Green Business and Green Resident Awards.

The categories that the Commission have previously identified include waste reduction, recycling, composting, water conservation, energy conservation, landscaping and home maintenance. As the Commission may recall, last year the EQC identified landscaping as the emphasis for the 2020 Green Resident Award. The discussion on January 21 presents the opportunity to identify the category for the 2021 Green Resident Award.



Village of Northbrook

1225 Cedar Lane

Northbrook, Illinois 60062

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Green Business Award Program Information

Purpose

The Village of Northbrook is a committed partner to improving the environment and encouraging sustainable practices. To this end, the Village recognizes the importance of government, residents and businesses working together to set and reach goals of environmental sustainability. For this reason the Board of Trustees and Environmental Quality Commission have created the Green Business Award Program. The Green Business Award program will seek to promote continued environmentally-friendly business practices in Northbrook by recognizing organizations that have taken steps with meaningful results to make a positive impact on the environment.

What Types of Practices May Be Recognized by the Green Business Award

The Village is seeking businesses that are taking steps to minimize their negative impact on the environment. While these efforts may take many forms, categories that the Environmental Quality Commission would like to highlight are included below. Businesses are encouraged to identify all the "green" efforts they have implemented to demonstrate their approach to minimizing their environmental impact.

- A. Waste Reduction, Recycling, & Composting
- B. Water Conservation
- C. Energy Conservation
- D. Employee Education & Awareness of Sustainable Practices
- E. Transportation
- F. Air Quality and Emissions
- G. Certified green building
- H. Other (Installing rain gardens, Monarch butterfly way stations, improving storm water runoff quality, etc.)

Examples

- Installing recycling containers and implementing an employee recycling program;
- Complete energy efficiency improvements such as installing high efficiency or Energy Star rated equipment, installing energy efficient doors/windows, or insulation;
- Encouraging use of public transportation or biking for employees to get to work;
- Implement a ride share program or install outlets for electric cars;

- Implement a waste reduction, recycling, and/or compost program;
- Retrofitting of plumbing fixtures to Water Sense rated products;
- Purchase of power from wind, solar, or hydro sources;
- Install daylight harvesting system with control sensors to reduce the need for artificial lighting;
- Construction of or build out of facilities to LEED (or similar accrediting agency) standards.

Eligibility

A business must be located within the corporate limits of the Village of Northbrook and be current with all applicable licenses and inspections.

How to Apply

Complete and email an application and send it to tessa.murray@northbrook.il.us. Only email submissions will be accepted.

Questions

Questions about the Green Business Award program or how to apply for the award can be answered by the Department of Development and Planning Services at 847-664-4057 or tessa.murray@northbrook.il.us.

Application Timeline

The process will open February 1, 2021, and applications will be accepted until March 31, 2021. Winners will tentatively be announced at an April Village Board meeting.

Selection Committee

The Selection Committee is composed of representatives of the Village of Northbrook's Environmental Quality Commission.

How the Program Works

Businesses in Northbrook are asked to fill out an application. Applications will be reviewed by members of the Selection Committee. Businesses should be as specific as possible with the description of their efforts, include pictures of where they have done improvements, and where possible quantify the benefits of their programs/improvements (i.e. reduction in CO2, reduction in water usage, etc.). One winner will be chosen.

Awards

Winner(s) will be announced at a Village Board meeting in April 2021. Winners will be recognized in the Village Newsletter. Winner will receive a plaque and a Green Business Award Winner window cling and may be recognized at a Village event such as Earth Day or a Village of Northbrook Board of Trustees meeting.



Village of Northbrook

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Green Business Award Application

The Village of Northbrook's Green Business Award program seeks to promote environmentally-friendly business practices in Northbrook by recognizing organizations that have taken steps with meaningful results to make a positive impact on the environment.

Who is Eligible?

Businesses located within the corporate limits of the Village of Northbrook and be current with all licenses and inspections.

How to Apply

Businesses interested in applying for the Green Business Award should complete this application and submit it to the Village of Northbrook at tessa.murray@northbrook.il.us by March 31, 2021. Only e-mail submissions will be accepted. Businesses should describe their practices and sustainable efforts with as much detail including how long they have been in place, the outcomes of these. Pictures may be attached to this application to help demonstrate a business' efforts to minimize their environmental impact.

Review of Application and Awards

Applications will be reviewed by members of the Village's Environmental Quality Commission. They will choose 1 winner for the Green Business Award. Awards will be announced at the April 2021 Village Board meeting.

Company Name: _____ Contact Person: _____

Address: _____ Phone: _____

Email: _____ # of Employees: _____

Description of sustainable practices and efforts implemented (use additional sheets if needed):

Outcomes of these efforts and practices

Submitted by:

I hereby acknowledge that the information included in this application is correct to the best of my knowledge.

Signature of business representative: _____ Date: _____

For Office Use Only

Application Received On



Village of Northbrook

1225 Cedar Lane

Northbrook, Illinois 60062

847.272.5050

www.northbrook.il.us

Green Resident Award Program Information

Purpose

The Village of Northbrook is a committed partner to improving the environment and encouraging sustainable practices. To this end, the Village recognizes the importance of government and residents working together to set and reach goals of environmental sustainability. For this reason the Board of Trustees and Environmental Quality Commission have created the Green Resident Award Program. The Green Resident Award program will seek to promote environmentally-friendly practices in Northbrook by recognizing households that have taken steps with meaningful results to make a positive impact on the environment.

What Types of Practices May Be Recognized by the Green Resident Award

The Village is seeking residents that are taking steps to minimize their impact on the environment. Each year the Environmental Quality Commission will select a category of sustainability on a rotating basis to highlight. The intent is also to provide guidance to residents applying for the Green Resident Award on areas in which to focus their application. These categories may include waste reduction/recycling/composting, water conservation, energy conservation, landscaping, and home maintenance.

For 2021, the Environmental Quality Commission has selected the category of: _____.

Eligibility

A resident must be located within the corporate limits of the Village of Northbrook.

How to Apply

Complete and email an application and send it to tessa.murray@northbrook.il.us. Only email submissions will be accepted.

Questions

Questions about the Green Resident Award program or how to apply for the award can be answered by the Department of Development and Planning Services at 847-664-4057 or tessa.murray@northbrook.il.us.

Application Timeline

The process will open February 1, 2021, and applications will be accepted until March 6, 2021. Winners will be announced at an April Village Board meeting.

Selection Committee

The Selection Committee is composed of representatives of the Village of Northbrook's Environmental Quality Commission.

How the Program Works

Residents in Northbrook are asked to fill out an application. Applications will be reviewed by members of the Selection Committee. Residents should be as specific as possible with the description of their efforts and where possible quantify the benefits of their efforts. Pictures will help with applications. One winner will be chosen.

Awards

The winner will be announced at a Village Board meeting in April 2021. The winner will be recognized in the Village Newsletter. The winner will receive an award and may be recognized at a Village event such as Earth Day or a Village of Northbrook Board of Trustees meeting.



Village of Northbrook

1225 Cedar Lane

Northbrook, Illinois 60062

847.272.5050

www.northbrook.il.us

Green Resident Award Application

The Village of Northbrook's Green Resident Award program seeks to promote environmentally-friendly practices in Northbrook by recognizing households that have taken steps with meaningful results to make a positive impact on the environment.

Who is Eligible?

Residents located within the corporate limits of the Village of Northbrook.

How to Apply

Residents interested in applying for the Green Resident Award should complete this application and submit it to the Village of Northbrook at tessa.murray@northbrook.il.us by March 6, 2021. Only email submissions will be accepted. Residents should describe their practices and sustainable efforts with as much detail including how long they have been in place, the outcomes of these. Pictures may be attached to this application to help demonstrate the efforts taken to minimize a negative impact on the environment.

Review of Application and Awards

Applications will be reviewed by members of the Village's Environmental Quality Commission. They will choose 1 winner for the Green Resident Award. Awards will be announced at an April 2021 Village Board meeting.

Resident/Family Name: _____ Contact Person: _____

Address: _____ Phone: _____

Email: _____

Description of sustainable practices and efforts implemented (use additional sheets if needed):

Outcomes of these efforts and practice

Submitted by:

I hereby acknowledge that the information included in this application is correct to the best of my knowledge.

Signature:

Date:

For Office Use Only:

Application Received On:



VILLAGE OF NORTHBROOK MEMORANDUM

DEVELOPMENT & PLANNING SERVICES

TO: ENVIRONMENTAL QUALITY CONTROL COMMISSION
FROM: TESSA MURRAY, GREENEST REGION CORPS MEMBER
DATE: JANUARY 21, 2021
SUBJECT: SUSTAINABILITY MENTIONS IN NORTHBROOK'S WEEKLY E-NEWSLETTERS

INTRODUCTION

On January 21, 2021, the Environmental Quality Commission will continue discussing communications of environmental news in Northbrook's weekly e-newsletters, and quarterly mailed newsletter, as well as any other sources of sharing news from the Village. The Village staff requests further input from the EQC pertaining to what aspect of messaging requires additional attention. During the November EQC meeting, there was mention about having a dedicated section of the e-newsletter or quarterly mailed newsletter for sustainable news. Communications Specialist Kylie Cerk notes two concerns with creating a dedicated section: (1) this may result in less information being shared due to the size of space allocated to a dedicated area, and (2) people may be more likely to scroll past these postings compared to how they are organized now.

In addition to the newsletters, which tends to focus on Northbrook-specific services, tips on behavioral changes to persuade individuals to "go green" are featured more often on the Village Facebook page and the landing page for Environmental Sustainability on the Northbrook website. This document contains every sustainable message that appeared in the Village's e-newsletters and mailed newsletters. Many of these are repeated in multiple newsletters. Initial posts are shown below in standard text, but when an item is repeated, it will appear in italics below.

SUSTAINABILITY MENTIONS IN E-NEWSLETTERS FROM MARCH 5 - DECEMBER 24

03/05/20

- Save the date: Earth and Arbor Day celebration: Show your love for the planet at the Village of Northbrook's Earth & Arbor Day Celebration. At this family-friendly, free event, learn tips for living an eco-friendly lifestyle, plant trees, and drop off hard-to-recycle items. [Get all the details.](#)
- Village President Sandy Frum on How Northbrook is a Leader in the Green Movement: For decades, the Village Board has facilitated green initiatives such as the Parkway Tree Planting Program, electronics and textile recycling, and the annual Earth & Arbor Day Celebration. The next step: conducting a Climate Assessment and Action Plan to serve as a strategic roadmap for sustainability efforts. The Board is joined by government departments, community organizations, and schools in practicing environmentalism. The Board recognizes the dedication of groups such as the Village's Environmental Quality Commission, Northbrook Park District, Northbrook Public Library's Green Team, Go Green Northbrook, Northbrook's Garden Club, and Glenbrook North's Environmental Awareness Club for encouraging today's green movement here in Northbrook.

- Electronics Recycling: Saturday, March 7, 9am-Noon, Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal.
- Neil Steinberg, Chicago Sun-Times Columnist and Northbrook Resident, Explores a Bird Sanctuary, Somme Woods, and More: The first issue of the new Northbrook print newsletter, Northbrook Voice, also includes ten tips for living an eco-friendly lifestyle, the oldest tree in Northbrook, and the story of the 2019 Green Resident Award winners—in mailboxes and available online now!

03/19/20

- Green Resident Award & How to Live a Sustainable Lifestyle: Anna and Andrew Pawlowski, pictured above, are committed to the environment and living a sustainable lifestyle—and their commitment runs deep. That's why they were named Northbrook's Green Residents of 2019. The Pawlowskis practice energy efficiency in their daily lives, from compost to recycling, eco-friendly cleaning products to cloth diapers and glass containers to reusable shopping bags. They take advantage of ComEd programs that incentivize energy reduction and the Village's tree cost sharing program. In addition to seeking out hand-me-downs for their child, the Pawlowskis model a green lifestyle for their child, their friends, and their neighbors by planting a vegetable and butterfly garden and installing rain barrels. Beyond displaying a "No Junk Mail" sign on their mailbox, the Pawlowskis also go paperless on billing, coupons, and catalogs, resulting in 90% less mail. Nominate the 2020 Green Resident and Green Business Award recipients by Wednesday, April 15 (subject to change).
- Five Ways to Reduce Your Carbon Footprint While Social Distancing: Many of us are spending more time at home and practicing social distancing. With these five tips, you can still implement change that can reduce your carbon footprint: 1. Eat More Plant-Based Meals: Plant-based meals reduce greenhouse gas emissions and also improve your nutritional intake, energy levels, and heart health. With extra free time, try out a new recipe! 2. Grow Where You Are: Home gardens save "food miles" (the energy-intensive journey your food takes to get to you). Grow a closer relationship with your food and have the power to eat healthier and lower emissions. Spend more time outside in your yard while still keeping a safe distance! 3. Reorganize your Refrigerator: Reduce food waste, improve the energy consumption of your fridge, and save money. Turn off Netflix, Hulu, and Amazon Prime - this refrigerator organization guide will keep you plenty entertained! 4. Make Fruits & Vegetables Last Longer: Don't be afraid to add some perishables to your next grocery list! Learn how to store produce to maximize your dollars and minimize waste with this cheat sheet. 5. Recycle: In addition to residential recycling services, the Village offers electronics, textile, and plastic bag recycling. While spring cleaning at home, collect these items to recycle when Village Hall reopens to the public.

03/26/20

- Refuse & Recycling Service Changes: From March 23 and until further notice, Advanced Disposal and Simple Recycling, the Village's contractor for curbside textile recycling, have changed their collection services:
 - Advanced Disposal

All refuse and recycling must be placed in the company designated cart or a can with handles (only if you do not have a cart). Loose items and stickered bags or items outside of the container will not be collected. All bulk item collection is suspended until further notice. At this time, yard waste service is unaffected, but potential changes are anticipated.

- Simple Recycling: All curbside service is suspended.

04/02/20

- Landscape Waste Pickup: Advanced Disposal's landscape waste pickup service began on April 1, as scheduled. Stickers are \$2.08 each and can be purchased at Sunset Foods (1127 Church Street) and Ace Hardware (1941 Cherry Lane) in Northbrook.

04/16/20

- Sidewalk Survey: Starting this week, the Village's contractor, BSI Online, is conducting a sidewalk survey of the community. You may see inspectors walking along sidewalks or streets and stopping at individual properties to take notes. The information collected by inspectors will be used to ensure the Village has a complete and accurate count of the number of cross connections in the community. Note that inspectors will not step onto private property. They will carry identification, follow social distancing guidelines, and wear masks during work. Staff anticipates this survey will be completed by the end of May, weather permitting.

04/23/20

- Take the Earth Week Challenge! To show your commitment to our planet, participate in the Village's Earth Week Challenge through April 26!

05/21/20

- Advanced Disposal Service Changes: Memorial Day Delay- Advanced Disposal collection will not take place on Memorial Day, May 25, and service will be delayed by one day for the week. Electronics Recycling Program Resuming: The Electronics Recycling program will resume in early June. Keep an eye out for further information and event dates. Electronics recycling events will be subject to any physical distancing orders in place at the time. Note that electronics cannot be disposed of in your regular trash or recycling. Bulk Item, Landscape Waste, and Compost Collection: Bulk item collection has resumed. To help ease this process, Advanced Disposal asks that residents who have bulk items refrain from putting out large piles. Landscape waste and compost collection began April 1 and is continuing unaffected. Place all items inside a cart, as stickered bags or items outside of a container will not be collected. Additional Recycling Options: Residents needing additional space for regular household recyclables can rent a second recycling cart for \$5/month, plus a one-time \$25 delivery fee. Carts can be delivered weekdays, except for Wednesdays, and can be canceled at any time. Both recycling carts can be put out on your regular collection day. To get set up, email Rocio Camarillo Meneces or call her at 847-879-1970. Spring Clean-Up Day: The Spring Clean-Up, June 13 from 7am-1pm, offers residents the chance to dispose of unlimited household waste for free at three different locations. Get all the details [here](#).

05/28/20

- Electronics Recycling: Saturday, June 6, 9am-Noon & Tuesday, June 9, 7am-3pm. Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal
- Dispose of Trash Responsibly: With an increase in the use of disposable gloves, wipes, and masks, we're also seeing an increase in littering. This non-biodegradable litter clogs our storm drains,

threatens wildlife, and ends up in our waterways. Please do your part for our planet by disposing of these items safely in the trash.

06/04/20

- *Electronics Recycling: Saturday, June 6, 9am-Noon & Tuesday, June 9, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*
- *Spring Clean-Up Day: Saturday, June 13, 7am-1pm at 2800 Shermer Road, Advanced Disposal Transfer Station: 655 Huehl Road, Public Works Center, 1657 Shermer Road, South of the Metra Lot. Hosted by Advanced Disposal, the Spring Clean-Up offers residents the chance to dispose of unlimited household waste for free at three different locations.*
- How Do I Recycle That? The Village offers a variety of programs for safely disposing of materials that should not go into the trash or regular recycling. Here's how you can recycle some of those items:
 - Plastic Bags & Film Packaging: Drop off these items in one of the Village's collection boxes currently housed behind Village Hall (1225 Cedar Lane). Collection was recently suspended due to COVID-19 but has returned at Village Hall. [Learn more here.](#)
 - Textiles: The Village contracts with Simple Recycling to provide free curbside textile recycling to single-family homes. This program was temporarily postponed due to COVID-19 but will be resuming on Monday, June 8. [Click here](#) to request a bag for textile recycling.
 - Food & Organic Waste: Through Advanced Disposal, residents can compost food waste and other biodegradable materials. Do not compost meat, bones, fats/oils, or pet waste. [Learn more here.](#)

06/11/20

- Spring Clean-Up Day: Saturday, June 13, 7am-1pm: 2800 Shermer Road, Advanced Disposal Transfer Station, 655 Huehl Road, Public Works Center, 1657 Shermer Road, South of the Metra Lot. Hosted by Advanced Disposal, the Spring Clean-Up offers residents the chance to dispose of unlimited household waste for free at three different locations.
- Northbrook Farmers Market Opens: Wednesday, June 17, 7am-1pm at Cherry Lane and Meadow Road. The volunteer-run Northbrook Farmers Market is kicking off its 12th season. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods. The Market will run every Wednesday through October 14.

06/18/20

- Stormwater Open House: Thursday, June 25 / Virtual. Join us for a virtual open house to discuss upcoming stormwater projects this summer, including Brittany Road, Surrey Lane, and Wendy Drive projects. The open house will have staggered start times for each project presentation at 4:30pm (Brittany Road), 5:30pm (Surrey Lane), and 6:30pm (Wendy Drive). Join the event [here](#) on June 25. This open house will provide an opportunity for residents and any interested parties to learn about this year's projects and ask questions of the Village's engineering staff.

- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*

06/25/20

- Think 'Green' When Ordering To-Go: Since the COVID-19 outbreak, supporting our local restaurants through takeout and delivery orders has been more important than ever. With an increase in these types of orders, keep in mind how you can help the environment and reduce your carbon footprint.
 - Say 'no' to plastic silverware and straws. Many of these single-use items cannot be recycled. If you're eating at home or carry reusable or biodegradable cutlery, ask the restaurant to leave out the plastic when ordering for takeout and delivery.
 - Reduce vehicle idling. While waiting to pick up food or goods from local businesses, remember to turn off your vehicle's engine. According to the U.S. Department of Energy, idling for more than 10 seconds uses more fuel, and produces more emissions that contribute to smog and climate change, than stopping and restarting your engine does.
 - Limit food waste. In the U.S., at least 40% of food is thrown out and ends up in landfills where it produces harmful methane. If you're not going to finish your meal, save it for leftovers, ask for smaller portions, or recycle the appropriate food scraps through composting.
- Northfield Township's recycling program has resumed on weekdays from 7am-3pm, excluding holidays, through October 30 at the Road District garage (237 Melvin Drive). Recycle household items, electronics (TVs and computer monitors excluded), and other waste at these contactless events. Township residents should be ready to show their IDs and follow State safety guidelines. October 24 will be the only household chemical waste recycling date for the year.
- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*

07/02/20

- Bike Boulevard Open House: The Village is working to design and install its first bike boulevard. Share your thoughts about walking and biking in Northbrook and learn more at this virtual open house. The bike boulevard is proposed at the following locations: Miller Road, Koepke Road, Birch Road, and Farnsworth Lane between Keystone Road and Shermer Road.
- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*
- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*

07/09/20

- *Electronics Recycling: Saturday 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*
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07/16/20

- Climate Action Survey: Share your ideas on climate action and sustainability in Northbrook! Let the Village know your thoughts by taking our online Climate Action Survey. Your feedback will help shape Northbrook's Climate Action Plan priorities.
- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*
- Stormwater Management Best Practices: Weather in Illinois can be unpredictable, and summer storms are in the forecast. Make sure you're prepared and your property is protected from flooding with the following best practices:
 - Have your downspouts "splash on grade." This means having your downspouts deposit water from your gutters right at ground level instead of going to an underground pipe. Doing this allows water to flow slowly and naturally to an inlet or drainage area, which reduces the chances of inundating the system and causing flooding. In older homes, this may also reduce the amount of demand on a sump pump and help prevent basement flooding. Learn more [here](#).
 - Keep your sump pump in working condition. Sump pumps are designed to remove water from around the foundation of a building and can help prevent basement flooding. Like other mechanical systems, they need periodic maintenance to continue functioning properly. As part of this maintenance, replace the pump's batteries on a regular basis to ensure it can continue working in the event of a power outage. A sump pump with a dead battery will not be able to pump excess water out of your basement and could lead to flooding.
 - Maintain grading on your property. Proper maintenance of your property's grading can help prevent and manage stormwater issues. When considering home improvement projects, keep in mind stormwater runoff and how to minimize changes to your property's natural grading. This can help prevent new issues for both your neighbors and yourself.

07/23/20

- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*
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- *Climate Action Survey: Share your ideas on climate action and sustainability in Northbrook! With 10 minutes of your time, let the Village know your thoughts by taking our online Climate Action Survey. Your feedback will help shape Northbrook's Climate Action Plan priorities.*
- *Support Native Pollinators at Home: In 2017, President Frum signed the Mayor's Monarch Pledge, thus committing to create habitats for the monarch butterfly and pollinators and to educate citizens about how they can make a difference at home and in their community. In an effort to make the Village of Northbrook a resource-filled pit stop for our beloved pollinators on their travels, the Village's Environmental Quality Commission encourages residents to plant milkweed, a native plant necessary to complete the monarch life cycle. Monarchs exclusively lay eggs on milkweed as it is the only food source that the monarch caterpillar will eat. Residential gardens that sustain monarchs during their annual migration are eligible to receive a "Let's Make Northbrook a Monarch Way Station" garden sign. To be eligible, gardens must meet the following criteria:*
 - Contain native plants
 - Exclude exposure to pesticides or herbicides
 - Contain at least three native milkweed plants, planted in close proximity to one another
 - Submit a picture of your butterfly garden online or bring one to the Public Works Department (655 Huehl Road) to receive a sign. Please confirm sign availability with Public Works Department prior to pickup.

07/30/20

- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*
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- *"Solar Power Hour" with Solarize Chicago: The Village of Northbrook has partnered with Cook County and Solarize Chicago to host a "Solar Power Hour" on Monday, August 17, at 7pm. At this virtual event, the Village will provide an update on sustainability followed by a presentation from Solarize Chicago about the basics of residential solar, its financial implications for a household, and how the solar group buy program works.*

08/06/20

- *"Solar Power Hour" with Solarize Chicago: The Village of Northbrook has partnered with Cook County and Solarize Chicago to host a "Solar Power Hour" on Monday, August 17, at 7pm. At this virtual event, the Village will provide an update on sustainability followed by a presentation from Solarize Chicago about the basics of residential solar, its financial implications for a household, and how the solar group buy program works.*
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08/13/20

- *"Solar Power Hour" with Solarize Chicago: The Village of Northbrook has partnered with Cook County and Solarize Chicago to host a "Solar Power Hour" on Monday, August 17, at 7pm. At this virtual event, the Village will provide an update on sustainability followed by a presentation from Solarize Chicago about the basics of residential solar, its financial implications for a household, and how the solar group buy program works.*
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- Northfield Township offers a recycling program weekdays through October 30 at the Road District garage (237 Melvin Drive). This Saturday, August 15, from 9am-1pm, drop by for a special paper shredding and recycling event. Limited to three containers per household, this event is for personal, sensitive documents only - no business or junk mail. Get more information on the Township's recycling program.
- Share the Roads: Bike Safety Regulations
 - Summer is the perfect time to enjoy biking around our beautiful Village, whether for exercise, transportation, or just for fun. With more residents out and about, it's important for cyclists to remember the rules of the road for their safety and the safety of others.
 - Follow all traffic signals and signs – All cyclists are required to obey official traffic signals, signs, markings, and laws that apply to motorists.
 - Ride in the same direction as traffic – Riding in the opposite direction of traffic is both dangerous and illegal.
 - Be mindful of pedestrians, vehicles, and other cyclists – If emerging from a driveway or alley, cyclists must yield the right-of-way to motorists and pedestrians. When approaching a pedestrian from behind, slow down and give an audible signal to alert of your presence before passing them.
 - Wear a helmet – In Northbrook, anyone under the age of 16 is required by Village ordinance to wear a helmet when riding a bike, though cyclists of any age are strongly urged to wear bike helmets as well. Parents are encouraged to educate their children on helmet safety. Learn about how to properly fit a helmet [here](#).

- Use bike lanes and paths when available – Cyclists are encouraged to ride on sharrows when available. Sharrows are pavement markings on the street (pictured above) acting as a bike lane. Be aware of moving vehicles and parked cars and watch for opening doors. Learn more about sharrows and sharing the road with motorists.

08/20/20

- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*

08/27/20

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- Community Listening Sessions: How should Northbrook be addressing Climate Change? Your opinion is important! In preparation for the Village's Climate Action Plan, we are partnering with Go Green Northbrook to host listening sessions on Climate Change. We value your feedback, so please join us for an upcoming session on September 2, September 10, or September 14 at 7pm. Register online.

09/03/20

- September is National Emergency Preparedness Month: This September, make sure you're prepared if disaster strikes. The theme of this year's National Emergency Preparedness Month is "Disasters Don't Wait. Make Your Plan Today." It encourages people from all communities to prepare for the possibility of a variety of disasters. Here are some important tips for emergency preparedness:

1. Make a Plan

Create an emergency plan coordinated with your family, friends, or household. Know where to meet up if your home is damaged, and make sure you know the phone numbers of important parties and family members. When planning, make a list of your valuable belongings. Keep records (written, photo, or even video) of what you have in case your home is ever damaged or destroyed. Don't forget about important documents!

2. Build a Kit

Having an emergency supply kit is key to being prepared! Work with everyone in your household to pack one. Make sure to include a change of clothing for each family member, toiletries, medicine, some cash, and other essentials. Be sure to include a battery-powered weather radio so you can receive emergency information and updates. Keep at least a half a tank of gas in your vehicle. Don't forget about your pets! Gather food, water, and medicine for at least three days.

3. Manage Emergency Alerts

Make sure you and your family members are signed up for emergency alerts from the Village with the most up-to-date contact information (note: if you are receiving this e-newsletter, you are already signed up with your email address). Include your current home address and phone numbers for emergency notifications such as tornado warnings, police activity, missing persons, and road closures. View the online sign-up form [here](#), or call 847-664-4040 if you need assistance.

On Tuesday, September 29, at 10am, there will be a Village-wide test of the emergency alert system. When the test is activated, residents who have signed up will receive a notification via email, text, and/or phone call with a message indicating "This is a test of the Northbrook Notify system. No further action is needed."

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09/10/20

- *Conserve Water with a Rain Barrel: Available for pickup at Village Hall The late-summer storms showering Northbrook serve as a nice reminder about the benefits of rain barrels! This eco-friendly solution helps with conserving water, reducing your water bill, and preventing localized flooding. If you don't have a rain barrel for your home, the Village offers a subsidized rain barrel program for residents to purchase one at a lower cost.*
- *New CRS Rating Reduces Flood Insurance Premiums for Northbrook Residents: The Village was recently reclassified as a Class 6 community by the National Flood Insurance Program through the Community Rating System (CRS). This new rating results in a 20% rate reduction for flood insurance policies issued to Northbrook property owners located in a Special Flood Hazard Area. Property owners outside a Special Flood Hazard Area will receive a 10% reduction. Prior to this, the Village held a Class 7 status, resulting in a 15% reduction for those in a Special Flood Hazard Area and a 5% reduction for those outside of one. With additional credits earned through the CRS program and a recent adoption of updated building codes, Northbrook's rating improved from Class 7 to Class 6.*
- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*
- *Community Listening Sessions: How should Northbrook be addressing Climate Change? Your opinion is important! In preparation for the Village's Climate Action Plan, we are partnering with*

Go Green Northbrook to host listening sessions on Climate Change. We value your feedback, so please join us for an upcoming session on September 2, September 10, or September 14 at 7pm. Register online.

09/17/20

- Northbrook Bicycle Safety: Do the Dutch Reach. You may notice more people riding bikes around town, so remember to keep your eyes open and be aware of your surroundings. An easy yet important safety tip, known as the "Dutch Reach," prevents dangerous and even life-threatening accidents between motorists and cyclists. Our latest bicycle safety video shows you how.
- Rodenticide Poses a Risk for Pets and Wildlife: As the weather cools and rodents seek shelter indoors, residents may start using harmful rodenticide. This means that dogs, cats, other domesticated animals, and local wildlife may be exposed to these toxic chemicals. Pet owners should be aware of this potential danger and know who to call in the event of an exposure. For homeowners, there are safe, effective, and affordable solutions to help you rodent-proof your home while ensuring the health of pets and other wildlife. Learn more.
- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*
- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*

09/24/20

- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*
- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*

10/01/20

- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.*
- *Electronics Recycling: Saturday, 9am-Noon & Tuesday, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics to Village Hall for safe disposal. Residents will be responsible for removing items from their vehicle to promote contactless disposal.*

10/08/20

- *Northbrook Farmers Market: Wednesdays through October 14, 7am-1pm. Cherry Lane and Meadow Road. Visit the same great Market vendors, plus some new ones, at the volunteer-run*

Northbrook Farmers Market. With new precautions in place this year, visitors can expect a safe shopping experience and a great selection of farm-fresh and artisan foods.

- *Northfield Township Recycling Program: Northfield Township's recycling program, which runs weekdays from 7am-3pm, is ending for the year on October 30. Recycle household items, electronics, and other waste at the Township's Road District garage (237 Melvin Drive). Also take advantage of a special paper shredding event on October 17 and a household chemical recycling event on October 24.*

10/15/20

- Fall Composting: Leaves, Yard Waste, and Food Scraps: This fall, compost your leaves, yard waste, and food scraps through Advanced Disposal's Composting Program. Residents may subscribe to a year-round program which runs weekly from April 1 to November 30 and every other week from December 1 to March 31. Alternatively, residents may purchase disposal stickers at Jewel, Walgreens, ACE Hardware, and Village Hall for \$2.08 each. Stickers can be used from April 1 to November 30. Acceptable items may be placed in paper lawn bags or metal/plastic cans and put out on your regular collection day for pick up.
- Northfield Township Paper Shredding: Saturday, October 17, 9am-1pm at Township Road District Garage, 237 Melvin Drive. Northfield Township is offering its final free paper shredding event of the year for Township residents. Limited to three containers per household, this event is for personal, sensitive documents only - no business or junk mail. Please remove any paper clips or staples in advance.
- Northfield Township Household Hazardous Waste Collection: Saturday, October 24, 9am-1pm at Township Road District Garage, 237 Melvin Drive. Northfield Township residents can drop off accepted household hazardous waste. This will be the only collection for the year. Some accepted items include antifreeze, cleaning products that are consumer commodities, charcoal lighter fluid, driveway sealer, drain cleaners, paint thinners, and gasoline.

10/22/20

- Celebrate OAKtober with Tree Maintenance: Did you know that an oak tree supports more than 500 species of pollinators, butterflies, and moths?

Oaks create healthier communities by filtering pollution, purifying groundwater, and providing shade. They also reduce flooding and support our native wildlife. Plus, the Bebb Oak is the Village's Heritage Tree and the White Oak is the Illinois State Tree! OAKtober is the perfect time to maintain your trees.

Maintenance Tips:

- After November 1, you can safely have your oak and American elm trees trimmed without concern. The insects that vector fatal diseases, such as Oak Wilt and Dutch Elm Disease, become dormant after this time period and are less likely to be attracted to your trees. Cooler temperatures and tree dormancy allow your arborist to assess the tree's architecture more readily so your trees will look and grow better next season.
- Add mulch rings around oak trees.
- Clear out weedy trees so oaks receive more sunlight and remove non-native invasive plant species.

- While tannic acids in the leaves and bark guard oaks from fungi and insects, make sure to monitor the tree for both.
- If you would like to plant an oak tree on your parkway, keep an eye out for future Spring Tree Planting information!
- Properly Dispose of Waste: Please be respectful of our neighborhoods and public areas by properly disposing of pet waste, single-use gloves, and masks while out and about. It's unsanitary to leave these items on the ground for others to pick up.

10/29/20

- *Northfield Township Recycling Program: Ending October 30, 7am-3pm at Township Road District Garage, 237 Melvin Drive. Northfield Township residents can recycle household items, electronics (TVs and computer monitors excluded), and other waste at this contactless event. This is the final date of the program for the year.*

11/05/20

- Community Solar Coming to Northbrook: North Shore Suburbs Create State's Largest Community Solar Program

Residents and small businesses in Northbrook and five other North Shore communities will soon have an opportunity to save money and help develop renewable energy thanks to Illinois' largest municipally sponsored community solar program. Community solar allows "subscribers" to receive net metering credits on their electricity bill and support the development of new renewable energy resources without needing to install equipment on their property. Join the waitlist.

- *Electronics Recycling: Saturday, November 7, 9am-Noon at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics for recycling. Residents will be responsible for removing items from their vehicle to promote contactless disposal. Please do not leave electronics at the Fleet Maintenance Garage when recycling events are not taking place.*
- Support our Restaurants...Sustainably!

Together we can keep Northbrook strong! Although the State's most recent COVID-19 mitigation measures temporarily keep us from dining indoors, they won't keep us from supporting Northbrook restaurants. While ordering for takeout or delivery, keep in mind how you can help the environment and reduce your carbon footprint.

- Dine & Win!

From now to December 31, spend \$50+ at any Northbrook restaurant for a chance to win a \$50 restaurant gift card. Submit a picture of your receipt showing the date of purchase and order total to business@northbrook.il.us. Every submitted receipt is one chance to win. Up to 10 winners (limit one winner per residence per week) will be selected every Monday from November 9-January 4 and will be notified by email.

- Cut out Plastic Cutlery & Straws

Many single-use plastic items end up in landfills or cannot be recycled, which causes harm to our ecosystem. When ordering takeout or delivery, ask the restaurant to leave out the plastic

cutlery and straws. Alternatively, opt for reusable cutlery at home or carry biodegradable options. Check out the Village's 'Guide to Quitting Plastics.'

- Reduce Vehicle Idling

While waiting to pick up food or goods from local businesses, remember to turn off your vehicle's engine. According to the U.S. Department of Energy, idling for more than 10 seconds uses more fuel, and produces more emissions that contribute to smog and climate change, than stopping and restarting your engine does.

11/12/20

- Compost & Yard Waste Collection Reminders

The Village contracts with Advanced Disposal for refuse and recycling services, including compost/food scraps and yard waste collection. During winter months, the schedule changes for some of these programs.

- Subscription Program (every other week starting December 1)

Residents can select a year-round subscription for a 35-gallon (\$122.40/year) or 65-gallon (\$142.80/year) container. With the subscription, Advanced Disposal will collect unlimited yard waste and compost weekly from April 1-November 30. From December 1-March 31, collection takes place every other week. See the updated schedule. Subscribers can place overflow yard waste and organics in plastic/metal containers or Kraft-type bags for no extra charge. Prepaid disposal stickers are not required for subscribers.

- Sticker Program (ends for the year on November 30)

Residents not interested in the subscription service can dispose of yard waste and compost from April 1-November 30 using plastic/metal containers or Kraft-type bags and prepaid disposal stickers. Stickers are \$2.08 each and can be purchased at Village Hall and local grocery and home/garden stores. Residents using plastic/metal containers must label each container as 'YARD WASTE ONLY.' Free labels are available at Village Hall and Advanced Disposal's Transfer Station (2800 Shermer Road).

- Thanksgiving Collection Schedule

In observance of Thanksgiving, collections on Thursday, November 26, and Friday, November 27, will be delayed one day.

- Support Northbrook Restaurants & Win, November 1-December 31: Spend \$50 or more at a Northbrook restaurant and enter for a chance to win a \$50 restaurant gift card! Submit a picture of your receipt to business@northbrook.il.us showing the order total (\$50 or more) and date of purchase (November 1-December 31).
- Street Sweeping: On a regular basis, the Village performs street sweeping throughout the community. Street sweeping is an important service that helps keep streets clean and prevents the buildup of debris, leaves, and other items that can clog the storm sewer system and lead to localized flooding. Get more information on the Village's street sweeping program, including when your street will be swept and how to report a street for sweeping.

11/19/20

- Community Solar: Support Solar Power & Save! The Village of Northbrook joined forces with the Metropolitan Mayors Caucus and five other North Shore communities to create the State's largest community solar program.

- What is Community Solar?

A community solar project is a single site solar installation shared by multiple subscribers. Community solar allows "subscribers" to receive net metering credits on their electricity bill and support the development of new renewable energy resources without needing to install solar equipment on their property.

- How Does Community Solar Work?

Community solar projects generate electricity, and that power is delivered into the electric grid of the utility. The community solar project signs up subscribers to receive monthly net metering credits based on the size of their subscription, how much the community solar project generates, and the subscriber's electricity supply arrangement.

- What are the Benefits?

When Northbrook residents join a solar array, they will save 20% on electricity costs for solar generation credits achieved! Community solar is an easy way to support clean energy generation located within Illinois and reduce the dependence on fossil fuels.

- How Do I Sign Up?

Join the waitlist and you will be notified by mc², the Program Administrator, when there is an opportunity to enroll. The program does not have upfront costs, will not lock you into a long-term contract, and will provide savings by following a few simple steps.

- Questions?

Contact MC Squared Energy Services by email or by phone at 833-949-2810.

- Help the homeless through the Rotary Club of Northbrook's "Coat Off Your Back" Drive: Donate new winter gear, like coats, jackets, scarves, hats, gloves, and boots, for those served by PADS. Collection bins are located at Village Hall, the Northbrook Library, North Suburban YMCA, and Sunset Foods
- *Electronics Recycling: Tuesday, December 1, 7am-3pm & Saturday, December 5, 9am-Noon at the Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old and unused electronics for recycling. Residents will be responsible for removing items from their vehicle to promote contactless disposal. Please do not leave electronics at the Fleet Maintenance Garage when recycling events are not taking place.*
- Sign up for the Live Shop Dine Text Program: The Live Shop Dine Northbrook text program now features a special Takeout Tuesday landing page filled with great deals from Northbrook restaurants! Sign up here to get exclusive offers and updates from Northbrook restaurants and businesses texted straight to your mobile device.

11/25/20

- *Electronics Recycling: Tuesday, December 1, 7am-3pm & Saturday, December 5, 9am-Noon at the Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old and unused electronics for*

recycling. Residents will be responsible for removing items from their vehicle to promote contactless disposal. Please do not leave electronics at the Fleet Maintenance Garage when recycling events are not taking place.

- *Yard Waste & Compost Collection Reminders: Are you planning on completing some yard work over the holiday weekend or composting your leftover Thanksgiving food scraps? Note that Advanced Disposal's sticker program ends for the year on November 30. For residents who participate in Advanced Disposal's subscription program, collection is switching to every other week starting December 1 (through March 31).*

12/03/20

- *Electronics Recycling: Saturday, December 5, 9am-Noon at the Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old and unused electronics for recycling. Residents will be responsible for removing items from their vehicle to promote contactless disposal. Please do not leave electronics at the Fleet Maintenance Garage when recycling events are not taking place.*
- *Holiday Lights Recycling: Weekdays through January 29, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Recycle old or broken holiday lights in the marked bin outside the Fleet Maintenance Garage. Note that holiday lights cannot be disposed of in regular trash or recycling.*

12/10/20

- *Give the Gift of Local: When looking for the perfect gifts for your friends and family, check out Northbrook's local retailers and personal service providers. To protect the safety of customers and employees, many businesses are offering online shopping, private appointments, curbside pickup, and delivery. By giving the gift of local, you are supporting the business owners and employees that make Northbrook strong.*
- *Holiday Lights Recycling: Weekdays through January 29, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Recycle old or broken holiday lights in the marked bin outside the Fleet Maintenance Garage. Note that holiday lights cannot be disposed of in regular trash or recycling.*

12/17/20

- *Parkway Tree Trimming: Each year, the Village of Northbrook trims parkway trees using contractual assistance. Trees are trimmed to prevent unnecessary damage during storms, to protect pedestrians and motorists from low hanging branches, to promote the health of the tree, and to ensure that the tree is aesthetically pleasing. Trees are trimmed during their dormant periods, approximately between October and April, to minimize trauma. This year's trimming is occurring in the areas of Sunset Lane, Dauphine Avenue and Dauphine Court, the Huntington Subdivision, Sutton Point Subdivision, and Wildebrook Subdivision. Download the map.*
- *Living with Wildlife in Northbrook – Coyotes: Coyotes are part of the natural wildlife that surrounds our community. Generally, coyotes are non-aggressive and spend the vast majority of time in the forest preserves. Winter weather may make coyotes more visible as they venture from the woodlands to forage for food. Remember to always keep pets leashed and in your sight when outside, seal your garbage cans, and do not leave food outside for other animals. Coyotes are most active at dusk and dawn, but be aware, as they could be out any time of the day or night.*

- *Holiday Lights Recycling: Weekdays through January 29, 7am-3pm at Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Recycle old or broken holiday lights in the marked bin outside the Fleet Maintenance Garage. Note that holiday lights cannot be disposed of in regular trash or recycling.*

12/24/20

- *Electronics Recycling: Saturday, January 2, 9am-Noon & Tuesday, January 5, 7am-3pm at the Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Bring your old electronics for recycling. Residents will be responsible for removing items from their vehicle to promote contactless disposal. Please do not leave electronics at the Fleet Maintenance Garage when recycling events are not taking place.*
- *Holiday Lights Recycling: Weekdays through January 29, 7am-3pm at the Fleet Maintenance Garage behind Village Hall, 1227 Cedar Lane. Recycle old or broken holiday lights in the marked bin outside the Fleet Maintenance Garage. Note that holiday lights cannot be disposed of in regular trash or recycling.*
- *Tips for Having a "Green Christmas": Remain eco-friendly while spreading holiday cheer this year! Check out the following tips and programs to reduce, reuse, and recycle for your festivities:*
 - *Upcycled Gift Wrapping: Plan ahead to cut down on waste this gift-giving season! Collecting the comics section of the newspaper is a great way to reduce and recycle without sacrificing aesthetics. Another option is to use cloth wrapping and encourage the recipient to wash and reuse this outer layer.*
 - *Plastic Film & Packaging Recycling: Holiday gifts, whether purchased online and delivered or pre-packaged, can often leave us with an excess of single-use plastics. The Village offers a program to recycle this plastic film in the receptacles located behind Village Hall (near the back entrance). Accepted items include Amazon packaging (remove all stickers and paper), bubble wrap (popped), plastic bags, plastic packaging, and reusable bags. Learn more [here](#).*
 - *Holiday Lights Recycling: Recycle old or broken holiday lights in the marked bin outside the Fleet Maintenance Garage behind Village Hall (1227 Cedar Lane) on weekdays through January 29 from 7am-3pm. Note that holiday lights cannot be disposed of in regular trash or recycling.*
 - *Organic Tree Recycling: From January 4 to January 29, recycle your organic holiday tree by placing it at the curb on your recycling day. Remove all lights, garland, and decorations, and make sure your tree is easily accessible at the curb.*
 - *Reminder: Advanced Disposal Holiday Schedule: Advanced Disposal collections on Christmas and New Year's Day will be delayed one day (pickup on the following Saturday). Pickups will occur on Christmas Eve and New Year's Eve.*

SUSTAINABILITY MENTIONS IN NEWSLETTERS FROM MARCH - FEBRUARY

March & April 2020

Full page columns:

- Northbrook: A Tree City USA Community in the Prairie State by the Northbrook Historical Society
- Parrots, Bonfires, and Snacks: Going Natural in Northbrook by Neil Steinberg
- Green Resident Award 2019: How to Live a Sustainable Lifestyle

- Northbrook is Going Green All Over by Sandy Frum
- Ten Tips for an Eco-Friendly Lifestyle
- Earth & Arbor Day Celebration

Short blurbs:

- Severe Weather Preparedness Week
- Spring Cleanup

May & June 2020

Full page columns:

- 8 Ways to Get Outside in Northbrook
- Shop Local: How to Help the Business Community

Short blurbs:

- Farmers Market
- Annual Spring Cleanup Event
- Take Time for Fun with the Northbrook Park District!
- Northfield Township Food Pantry Support
- Compost and Yard Waste Options
- Dispose of Pet Waste, Gloves, and Masks Properly
- Northbrook Water Consumer Confidence Report

July & August 2020

Full page columns:

- Northbrook Farmers Market
- Northfield Township Food Pantry

Short blurbs:

- Electronics Recycling
- Hunger-free Northbrook
- Northbrook Park District online guide
- Recycle Plastic Bags & Film Packaging
- Dispose of Yard Waste and Compost with Advanced Disposal
- Wear a Helmet
- Volunteer at the Northfield Township Food Pantry
- *Northbrook Water Consumer Confidence Report*

September & October 2020

Full page columns:

- Preparing for an Emergency
- Fall Composting
- Let's Talk Trash

Short blurbs:

- *Electronics Recycling*

- *Northbrook Farmers Market*
- *Northbrook Park District Autumn Program Guide*
- Practice Bike Safety
- *Hunger-free Northbrook*
- Northbrook Garden Club October Program
- Textile Recycling
- October is OAKtober
- Flood Protection
- Somme Prairie Project Continues

November & December 2020

Full page columns:

- Shop Local Northbrook

Short blurbs:

- “Coat off your back” drive
- *Electronics Recycling*
- Northbrook Garden Club’s November Program
- *Hunger-free Northbrook*
- Holiday Recycling Opportunities
- Community Solar

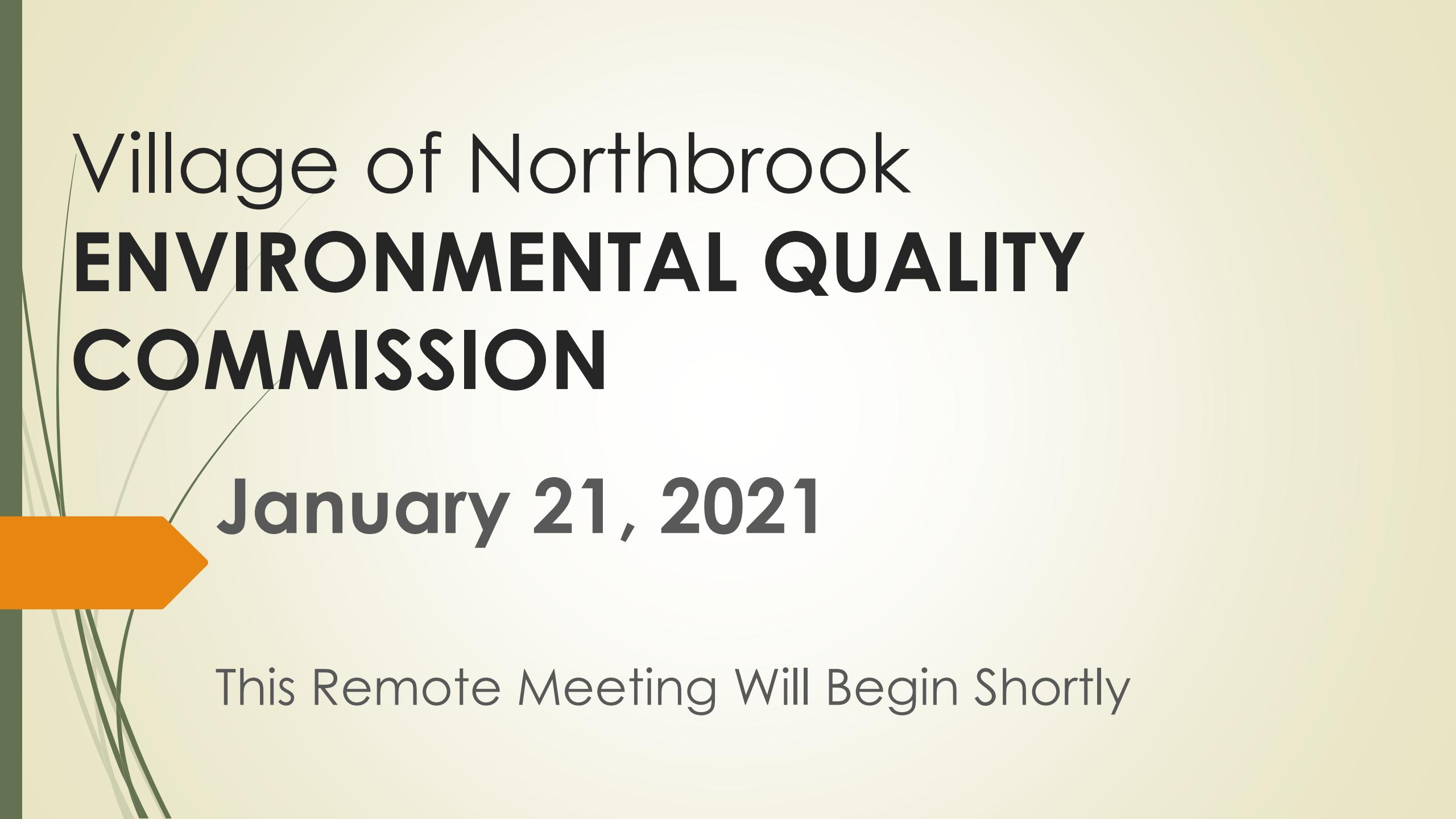
January & February 2020

Full page columns:

- Community Solar
- 2021 Spring Parkway Tree Planting Program

Short blurbs:

- *Northfield Township Food Pantry Support*
- *Electronics Recycling*
- *Properly Dispose of Waste*
- Reduce Vehicle Idling
- Say No to Plastic Cutlery and Straws
- Living with Wildlife in Northbrook- Coyotes
- Rodenticide Poses Risk to Pets & Local Wildlife
- Pre-Treat with Anti-Icing Liquid Salt
- *Recycle Plastic Bags & Film*
- *Holiday Recycling Opportunities*



Village of Northbrook **ENVIRONMENTAL QUALITY COMMISSION**

January 21, 2021

This Remote Meeting Will Begin Shortly

Updates on Other Items:

- Communication Initiatives & Messaging
- Solar Permit Data
- Village Plastic Bag Recycling Update
- Recycling & Waste Data – Solid Waste, Recycling, Composting, Electronic Recycling, and Light Plastics

Communication Initiatives & Messaging

Week 1



The Rain Garden outside Village Hall is Northbrook's way of demonstrating that the choices made on even a small piece of land can make a large difference for our community's ecosystem health. Pictured is Northbrook's new Greenest Region Corps Member, Tessa, taking advantage of these last few sunny days of fall to plant native wildflowers and grasses in the garden. She is planting Whorled Milkweed that provides food and shelter for beneficial pollinators like honeybees and Monarch butterflies.

WHAT'S SO BAD ABOUT GAS-POWERED LEAFBLOWERS?



EMISSIONS INCLUDE...

- CO₂ (carbon dioxide)
- CO (carbon monoxide)
- NO_x (nitrogen oxides)
- VOCs (hydrocarbons)
- PM (particulate matter)
- noise pollution

HARMFUL TO...

- brain
- lungs
- heart
- ears
- air quality
- water quality
- wildlife

Week 2



Plan ahead to cut down on waste this gift-giving season by reusing and recycling! Collecting the comics section of the newspaper, especially the colored comics on Sundays, is a great way to reduce and recycle without sacrificing aesthetics. Another option is to use cloth wrapping and encourage the recipient to wash and reuse this outer layer. Remain eco-friendly when you spread holiday cheer this year!

Show some love for Mother Nature by caring for a live holiday tree rather than a cut one. The Village explains the care and keeping of a potted evergreen tree in this article on the sustainability webpage. With proper conditions, your tree can survive inside to ring in the holiday season. When festivities have ended, the holiday spirit is still alive as you watch your evergreen grow planted outside!



Week 3

Beyond wearing an extra layer, there are a few simple steps to take to conserve energy in heating your home before turning up the thermostat. Indoor air gets drier in winter months, which makes retaining heat more difficult. Humidifiers moisten the air and consequently allow for a better heat conservation. Houseplants are also great humidifiers because they naturally release moisture in the air through a process called evapotranspiration. Another tip is to set a ceiling fan to run clockwise on low speed. This will redistribute heat in your living space. Since warm air rises, the fan's clockwise rotation will push the heat downward allowing for a more even distribution of heat.



Got Rats?

Here are some tips to prevent them without poison

Cut branches back three feet away from the roof.

Use wire mesh or hardware cloth under porches that extends partially into the ground.

Provide tight-fitting covers on crawl space entrances.

Check garage shelves and storage sheds for evidence of rats.

Rats can enter your home through an opening the size of a dime. Seal all holes in roofs, walls, foundation, crawl spaces, and sheds. Seal openings around pipes, cables, and electrical wires that enter walls and foundations.

Cap plumbing vent stacks with hardware cloth.

Elevate your chicken coop by 18 inches.

If you feed the birds, feed small amounts at a time and bring feeders in at night. Clean up fallen seed.

DO NOT USE:

Snap traps in the open landscape. They can maim and harm other animals.

Sticky traps or glue boards. They cause horrific suffering and other animals get caught in them, including songbirds.

Rodenticides: Rat poison kills birds and wildlife, not just rats. When a hawk, owl, or bobcat eats a poisoned rat, they too, can become very ill or perish of secondary poisoning. Rat poison can also poison your dog or cat.

Week 4

Take advantage of Northbrook's **Plastic Film Recycling** Program at Village Hall!



(1225 Cedar Ln)

WHAT IS PLASTIC FILM?

thin, stretchable plastic mainly used in bags and packaging

- **PLASTIC BAGS**
- **NEWSPAPER BAGS**
- **AMAZON PACKAGING**
- **PLASTIC WRAPPINGS**
- **BUBBLE WRAP**
- **DRY CLEANING BAGS**
- **BREAD BAGS**
- **PRODUCE BAGS**
- **CEREAL BAGS**
- **ZIPLOC/ RESEALABLE BAGS**

All plastic should be clean and dry, without any food residue or contamination!

For every 500lbs collected, Northbrook receives a bench made from recycled plastics!



remove all stickers and paper

POPPED!



There is a common misconception that a modern car needs to idle for a few minutes in winter before you start driving. Auto experts today say that you should warm up the car for no more than 30 seconds, and the engine will warm up faster being driven. It is better for your car AND the environment to turn the engine off and on again as opposed to idling.

From January 4-January 29, recycle your organic holiday tree by placing it at the curb on your recycling day. Remove all lights, garland, and decorations, and make sure your tree is easily accessible at the curb.

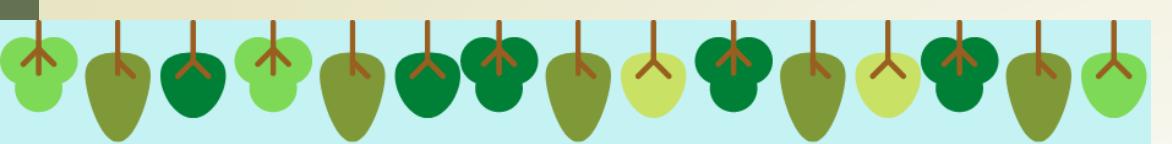
Please note that dried-out trees are a fire danger and should not be left in your home or garage or be placed outside against your home.



Holiday lights recycling
weekdays thru Jan 29, 7am-3pm @
1227 Cedar Ln, *Fleet Maintenance Garage*



**Recycle old lights in
marked bin outside the Fleet
Maintenance Garage behind Village Hall.**



TAKE ADVANTAGE OF NORTHBROOK'S

SUBSIDIZED TREE PLANTING PROGRAM



THE VILLAGE WILL COVER UP TO 50% OF TREE PLANTING EXPENSES OR UP TO \$175 IN COSTS. INTERESTED RESIDENTS SHOULD APPLY USING THE GONORTHBROOK SERVICE REQUEST SYSTEM AT WWW.NORTHBROOK.IL.US

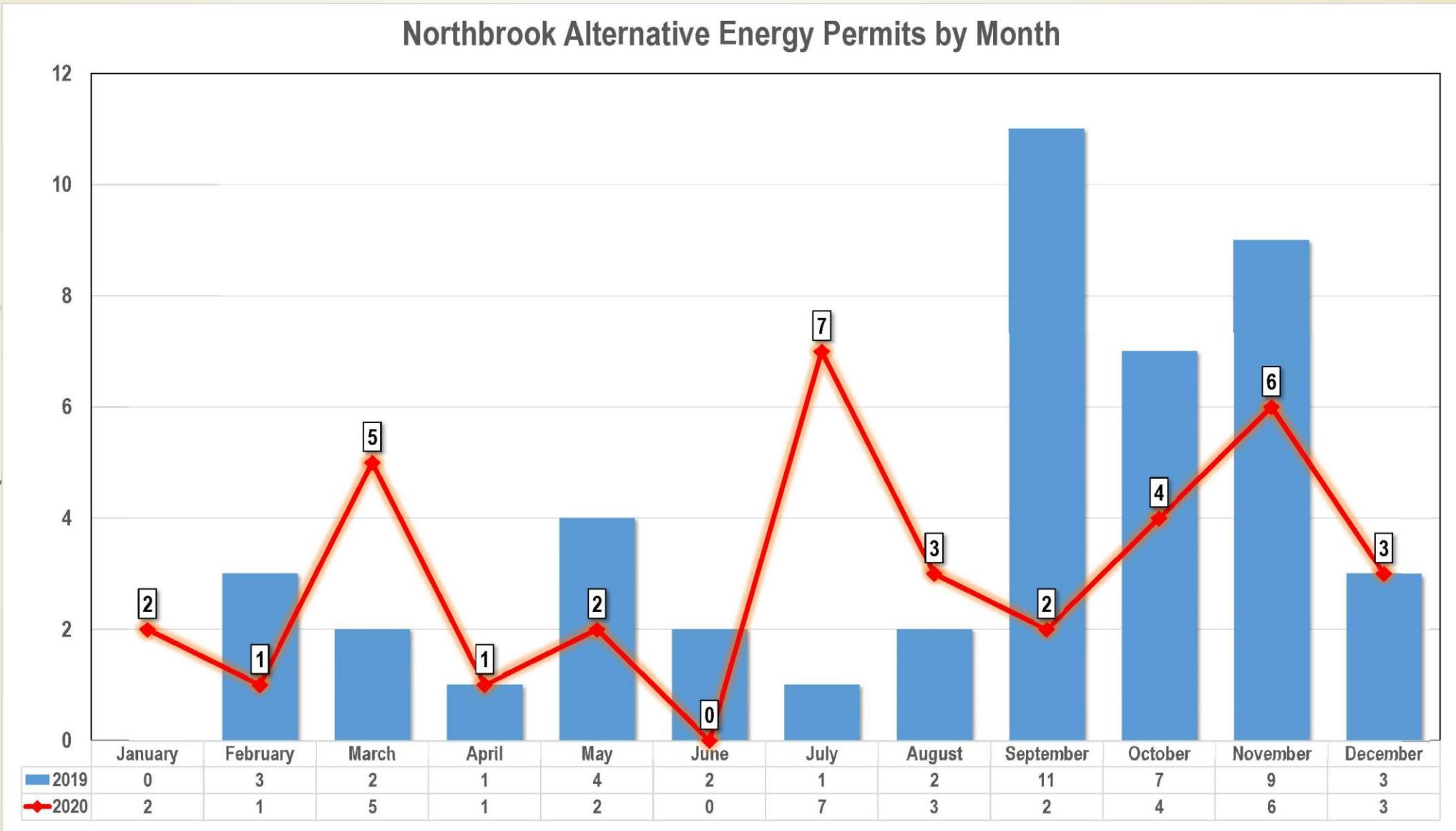


Rain Garden Reimbursement Program



Residents with flooding conditions can improve their property's drainage ability by installing a rain garden with reimbursement contribution from the Village of Northbrook. Qualified property owners can receive up to 70% of costs / \$5,000 reimbursed by the Village, subject to funding availability. Visit the Village website for the application and to learn more at www.northbrook.il.us/868/Water.

Solar Permit Data



Solar Permit Data

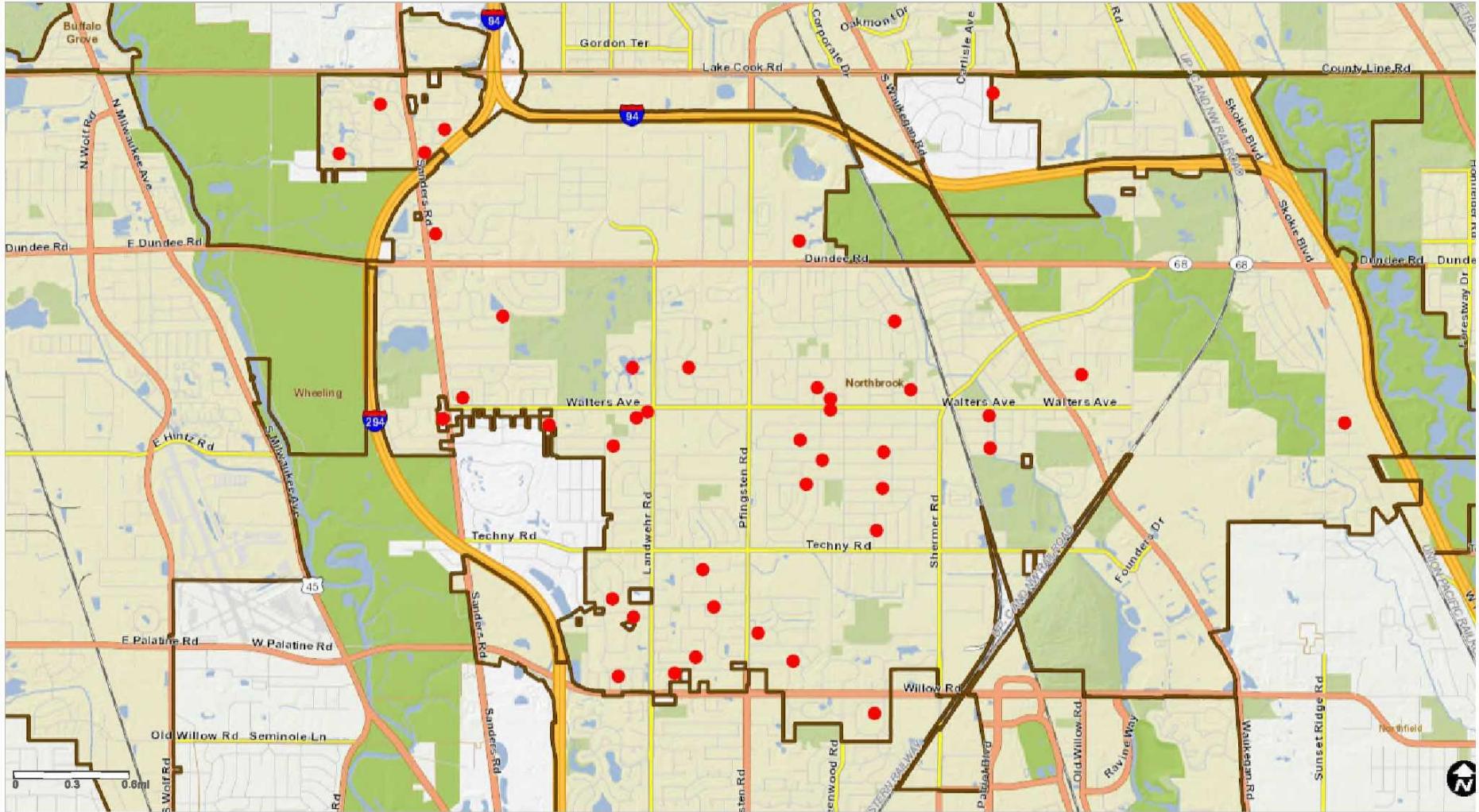
1/8/2021

GIS Consortium – MapOffice™



MapOffice™ Solar Permits January-December 2020

Created by
mgp inc





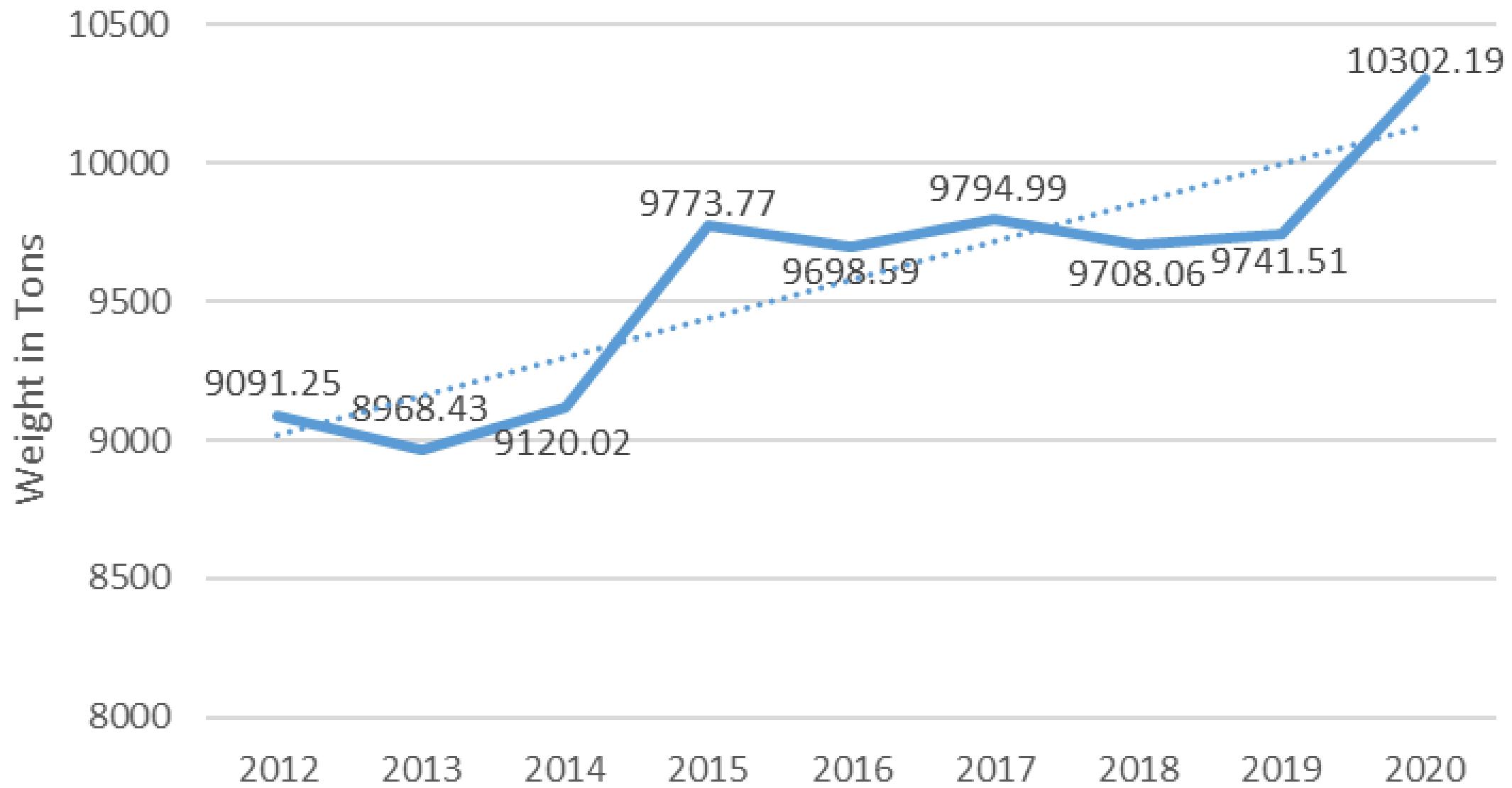
Recycling & Waste Data



2020 Landfill Tonnage vs. 2012-2019 Average



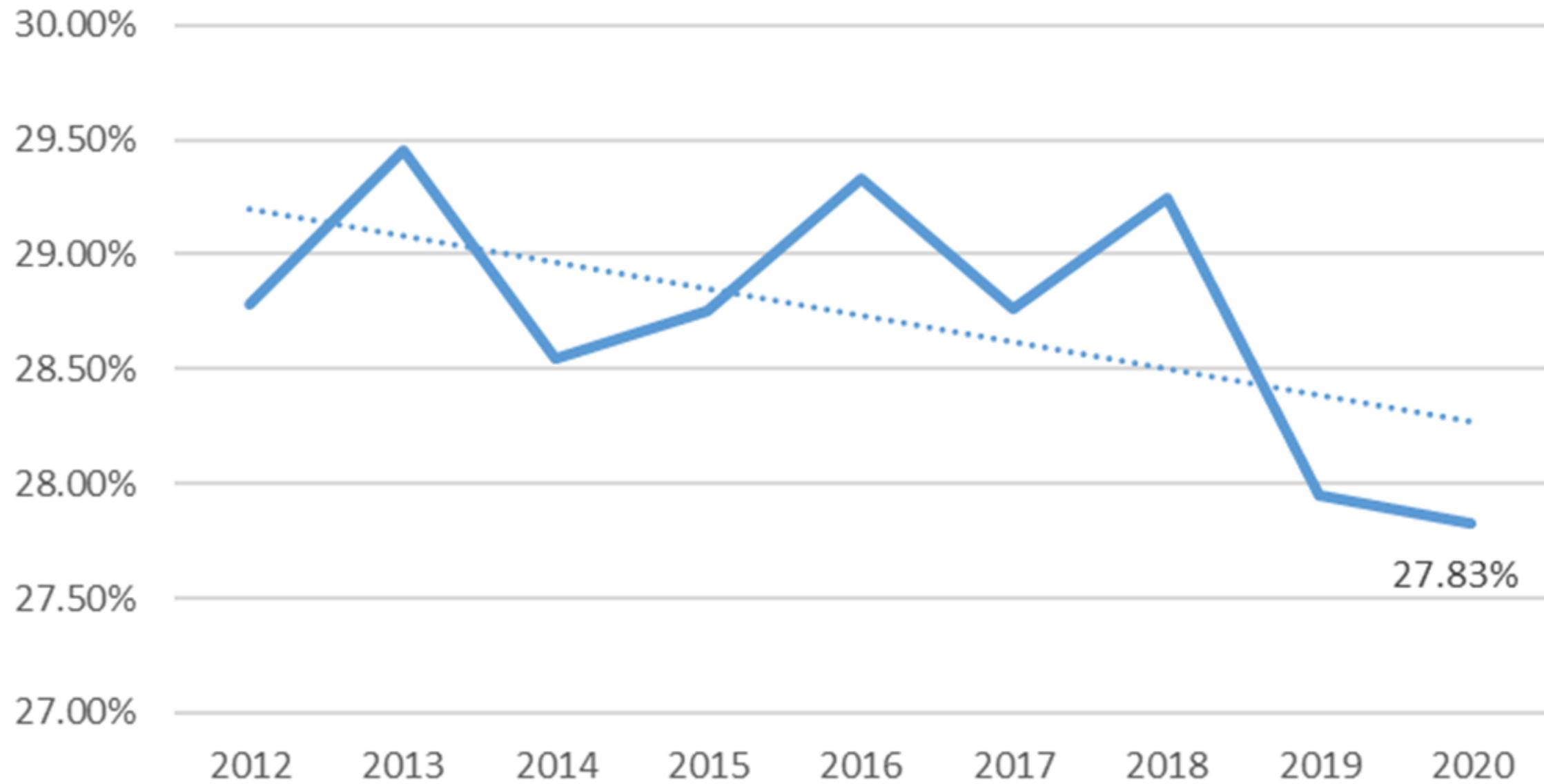
Total Landfill Waste



2020 Recycle Tonnage vs. 2012-2019 Average



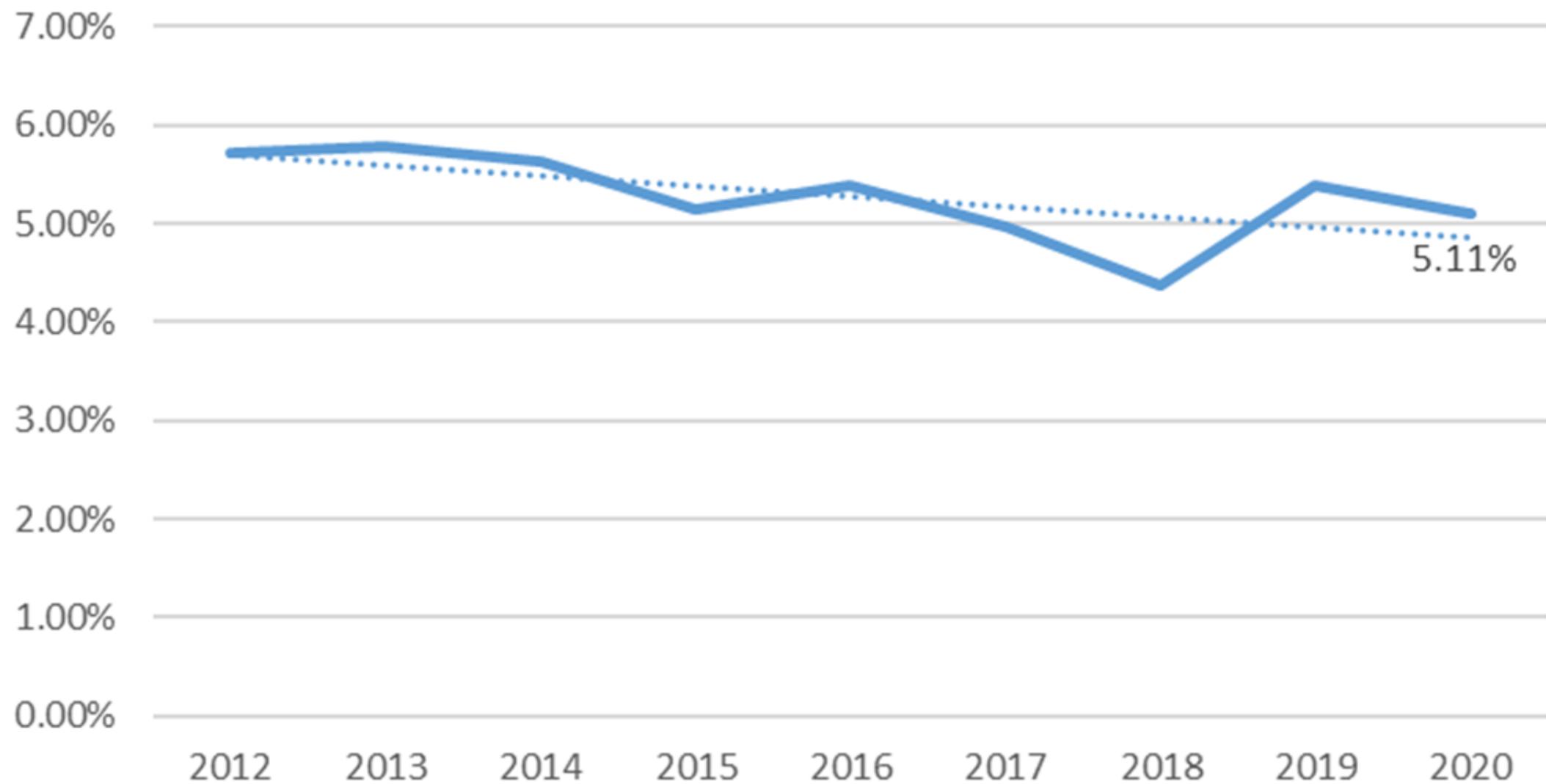
Percentage Recycling of Total AD Waste Collected



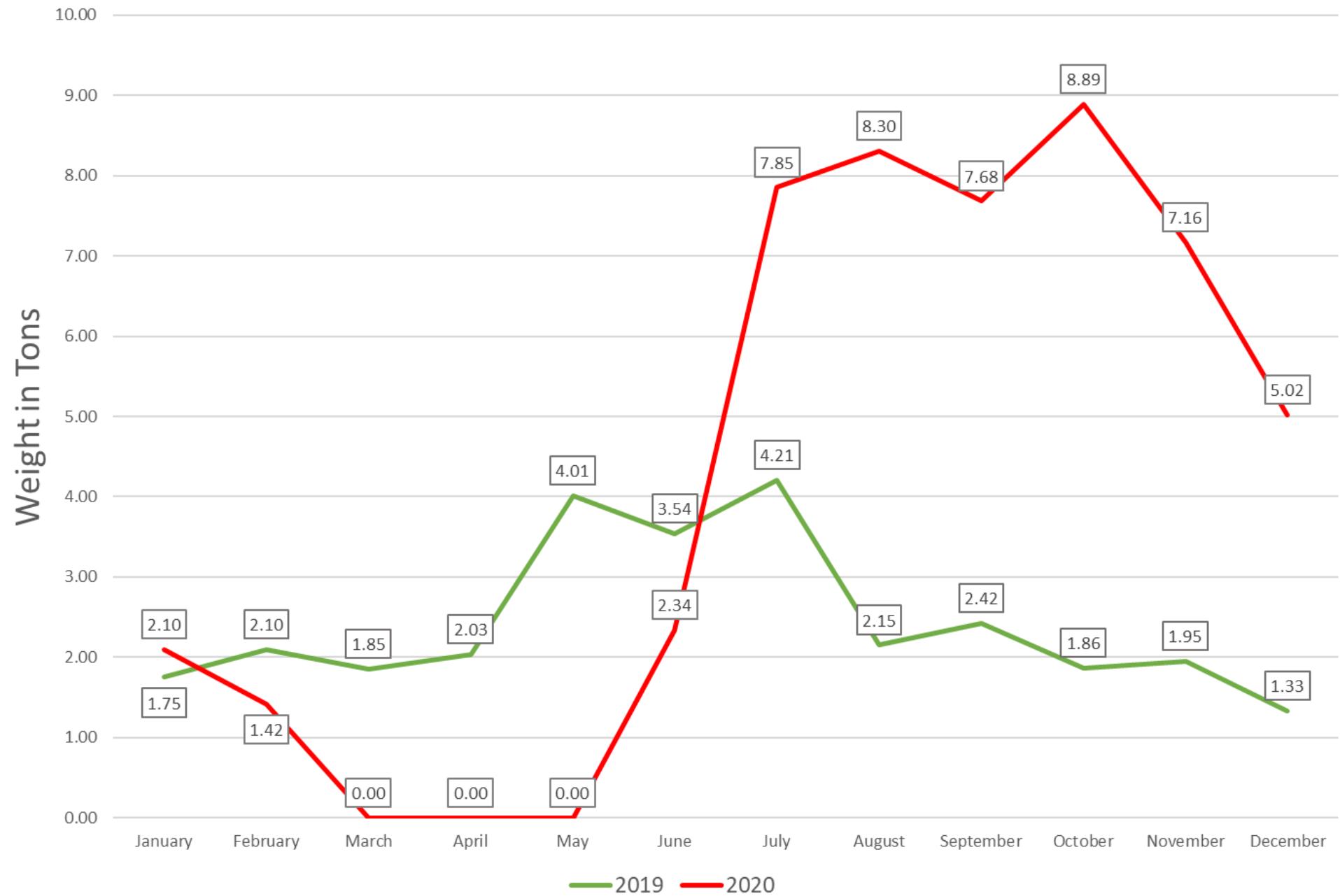
2020 Compost Tonnage vs. 2012-2019 Average



Percentage Compost of Total AD Waste Collected



E-waste Collection (2019 & 2020)

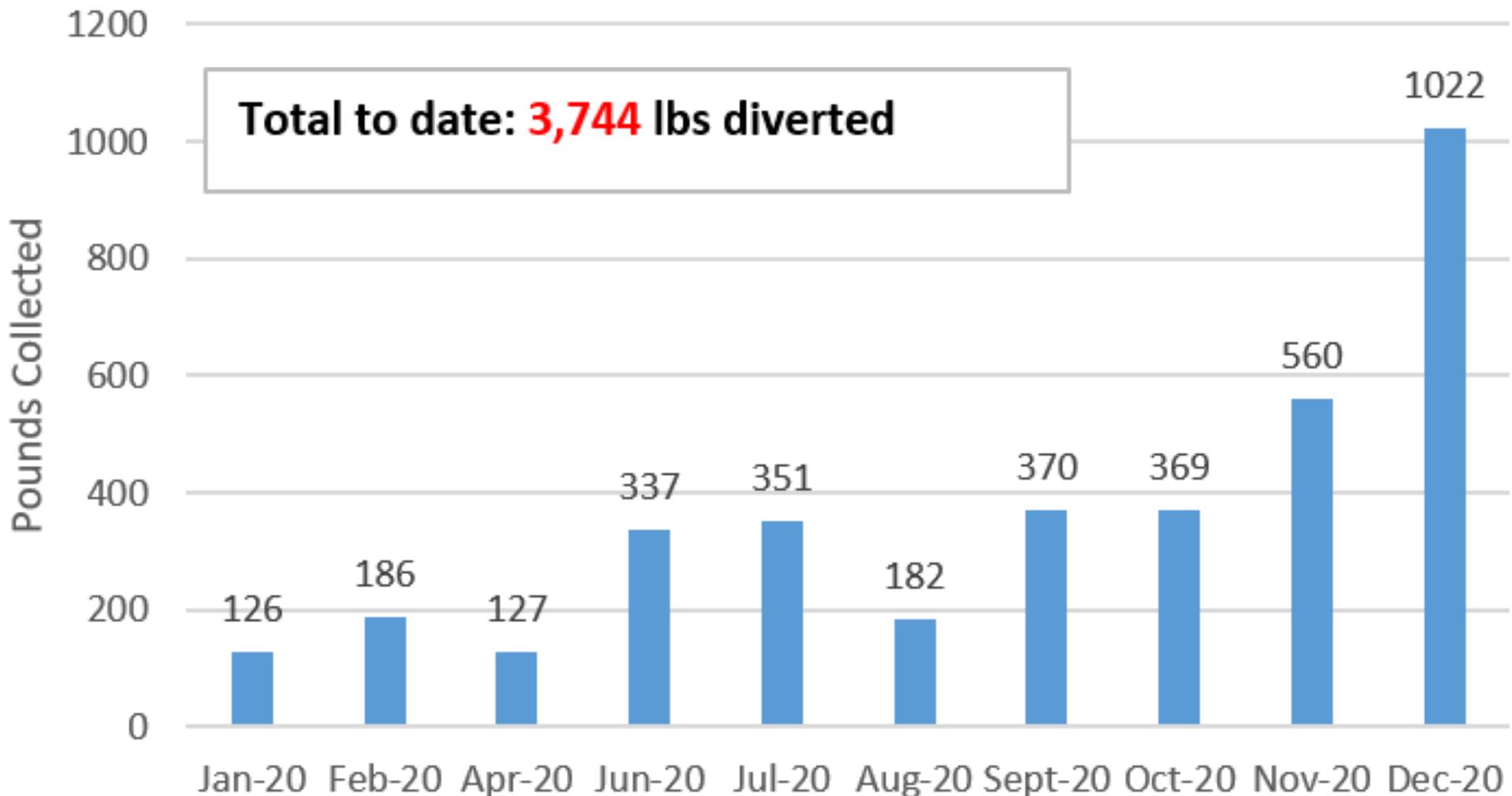


Simple Recycling: Textile and Household Goods



Village Plastic Bag Recycling Update

TREX Plastic Film Collection



Northbrook's Waste Contribution 2020

Trash	10905.38	tons
Recycling	3671.75	tons
Compost	785.28	tons
Electronic waste	50.76	tons
Textile	20.81	tons
Plastic film	1.80	tons
Diverted waste	4530.40	tons
All waste	15435.78	tons
Diversion rate (%)	29.35	

Kohlstedt, Michaela

From: Poupart, Tom
Sent: Monday, January 04, 2021 9:47 AM
To: Jeremy Reynolds
Cc: Murray, Tessa; Kohlstedt, Michaela
Subject: FW: Please forward to Jeremy Reynolds, Chair, Environmental Quality Commission
Attachments: EFC Presentation.pdf

Jeremy,

See email below and attachment from a group in Winnetka regarding pesticides.

I acknowledged receipt and said I would pass it along.

Thomas R Poupart, AICP
Director of Development & Planning Services Village of Northbrook
1225 Cedar Lane
Northbrook, IL 60062
T: 847-664-4051
E: tom.poupart@northbrook.il.us
W: <https://www.northbrook.il.us/213/Development-Planning-Services>

-----Original Message-----

From: Ted Wynnchenko <ted@wynnchenko.com>
Sent: Saturday, January 2, 2021 10:33 AM
To: Poupart, Tom <Tom.Poupart@northbrook.il.us>
Cc: 'Chuck Dowding' <c-dowding@northwestern.edu>; 'Brendon Mendoza' <BMendoza@winnetka.org>; 'Scarlett Harper' <scarlettharper2045@gmail.com>
Subject: Please forward to Jeremy Reynolds, Chair, Environmental Quality Commission

Mr. Poupart:

I found your name and email as the staff liaison for the Environmental Quality Commission on Northbrook's website.

My name is Ted Wynnchenko. I am a resident of Winnetka, and currently on the Environmental and Forestry Commission here.

Over the last few months we have been discussing pesticide application.

I am reaching out for the Commission to ask if this is a topic that your Commission would be interested in discussing as well, as I will detail below.

I would appreciate it if you would forward this email to Jeremy Reynolds and/or other members of the Commission.

Thank you
Ted Wynnchenko

Jeremy Reynolds:

I found your name on Northbrook's website.

A few months ago, the Winnetka Environmental and Forestry Commission (EFC) discussed the use and application of pesticides.

I have attached a copy of the presentation used at that meeting.

In researching this topic, I found that Illinois, like most states, has adopted statutes that preempt local governmental control of pesticides, and make it an exclusive state right.

The back story behind this is interesting. In 1991, the US Supreme Court ruled in *Wisconsin Public Intervenor v Ralph Mortier* (501 U.S. 597; 111 S.Ct. 2476; 115 L.Ed.2d 532). As it turned out, Mortier wanted to aerially spray property he had within the city limits of a town that had pesticide laws. The town said "no," and the case went all the way to the US Supreme Court on the question of whether states/local governments have the right to preempt federal laws on pesticides (the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), U.S.C. § 136 et seq.).

The court said that this was a state right, and this allowed local governments to share in the protection of their environments.

Well, not surprisingly, the pesticide industry immediately formed a lobbying group and got almost all states (I think like 47 of 50) to pass state laws that made pesticide regulation an EXCLUSIVE right of the state, not local government. Illinois was one of those states, and in the mid-1990's it passed the Illinois Pesticide Act (415 ILCS 60, P.A. P.A. 85-177 as amended) which explicitly barred local governments from regulating pesticides ("The regulation of pesticides by any political subdivision of this State, including home rule units, is specifically prohibited except for counties and municipalities with a population over 2,000,000. The regulation of pesticides under this Act is an exclusive power and function of the State, except as provided in this paragraph, and is a denial and limitation, under Article VII, Section 6, subsection (h) of the Illinois Constitution, of the power of a home rule unit to regulate pesticides.")

Well, it seems, people are now thinking about this again, because, I guess, even the "better" pesticides of today can still be a real problem for "good" insects (and people). In fact, I believe within the last few years both Connecticut and Hawaii considered removing these local prohibitions, which resulted in spending of millions of dollars by the pesticide industry in opposition, and the eventual failure of change.

So, the Winnetka EFC was discussing what our options might be to effect some local control, and I suggested that we reach out to neighboring communities to see if there was awareness of this issue, and if there would be any interest in trying to effectuate change in Illinois, not as an individual community or individual, but as a more "regional" group.

Thus, this email.

I think what we (I) am wondering if this is something your group was aware of, and whether or not it would be something you would want to discuss.

In researching this, I realized that this area was not immune from the horrors of the past. The North Shore Mosquito Abatement District Annual Report for 1950 states that: "After the emergence of adult mosquitoes in June, the TIFA was used to fog the whole District in an effort to reduce mosquito population. To minimize the traffic hazard, and to insure the best results, the work was carried on between the hours of 11:00 P.M. and dawn.

The TIFA started at the north end of Glencoe and worked south along the shore... It went up and down each street and alley so that the fog would penetrate through each block." And, since it was at night to avoid "traffic hazard," everyone was at home sleeping and enjoying the fog!

The "TIFA" is a fogging machine which fogged a solution of 5% DDT and 1/2% Lethane (I love the name "Lethane" - yes, I am sure it is lethal to lots of things).

So, sorry for the longer story.

In any case, if this issue is something that would concern your group, or not, please let me know.

I believe the Winnetka EFC is looking to see if any other communities in the area have considered this, done anything about it, or would be interested in discussing options for the future.

In addition to email, my home phone is 847-446-0072. I will be off work the first week of January, and the Winnetka EFC meeting is the second Wednesday of the month, so, if you have a chance, please let me know your thoughts so that I could share them.

Hope you have a great year.

Thanks

Ted

WARNING- EXTERNAL EMAIL: If unknown sender, do not click links/attachments. Never give out your user ID or password.

Individual Mosquito Control

The problem with pesticides and why we should care

- While pesticides are aimed at killing mosquitos, they have harmful effects well beyond their intended use
 - Bees travel up to 5 miles out of their hive. If a bee is poisoned by pesticides, the whole colony could be poisoned
 - In 2019, 40% of honeybee colonies in the US died
 - Pesticides are highly lethal to monarchs
 - Between 1997 and 2017, the monarch population has gone from 682 million to 109 million
 - Birds eat the insects that have been poisoned and become sick as well
 - Over the past 50 years, North America has lost about 3 billion birds
 - Pesticides are harmful to humans, especially children
 - Boys with higher levels of Pyrethroid pesticides in their bodies are twice as likely to have ADHD

Why it Matters

- Bees are essential to our ecosystem
 - About one in three bites of food we eat would not be possible without bee pollination
 - Bees feed birds, rodents, fish, and other small animals that also feed larger animals
 - The elimination or decline of bees is not isolated – the entire food chain becomes less stable with their decline

Pyrethroids

- Pyrethrin is natural
 - Derived from *Tanacetum cinerariifolium*
 - Common Name: Dalmatian chrysanthemum
 - Native to Dalmatia in the Balkans
- Pyrethroids are synthetic long-lasting compounds similar to pyrethrin
 - Permethrin
 - Resmethrin
 - Deltamethrin
 - Prallethrin
 - d-Phenothrin

Pyrethroids

- Neonicotinoids replaced organochlorines
 - DDT (Dichlorodiphenyltrichloroethane)
- Pyrethroids replaced neonicotinoids
 - Permethrin first registered 4/29/79 with EPA
 - Alter nerve function by affecting Na channels
 - “Likely to be Carcinogenic to Humans” (orally)
 - ULV spraying estimated <0.0001% reaches target mosquitoes

Benefits

- North Shore Mosquito Abatement District
 - Mosquito Abatement District Act (70 ILCS 1005/) passed in September 1927
 - Abatement District established on December 8, 1927
 - Mission:
 - Reduce the risk of disease from mosquito-borne viruses
 - Minimize the negative impact mosquitoes have on the quality of life in the District

Benefits

- Private, individual mosquito control
 - “Start Enjoying Your Yard Again”
 - “Be the most popular house on the block!”



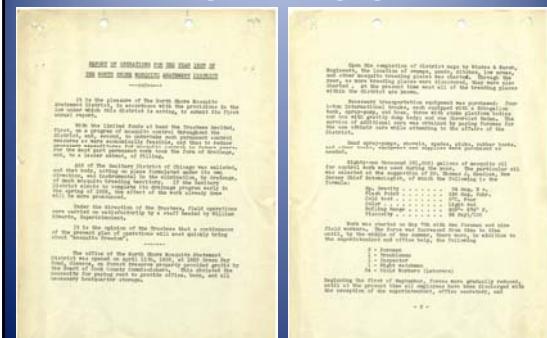
Costs



NSMAD

- Pyrethroids
 - Prallethrin
 - d-Phenothrin
- Synergist
 - Piperonyl Butoxide
 - cytochrome P-450 inhibitor
 - most important natural defense mechanism of insects
- Juvenile Hormone (JH) analog
 - (s)-Methoprene
 - Juvenile growth hormones must be absent for a pupa to molt to an adult
 - Interferes with an insect's life cycle and prevents it from reaching maturity or reproducing.

NSMAD - 1928



NSMAD – 1928-1950

- 1928-1934 – “Mosquito Oil” or “Furnace Oil” – 16K – 81K gallons
- No info 1935-1942
- 1943 – 1944 – Oiling: 22K-34K gallons
- 1945 – Tested: Amine 220 v. Rhothane (“Oil Formula” and “Army Formula”) v. DDT (6 gallons/acre)
- 1946 – 1% DDT – hosing not enough to clean – lethal to dogs and cats
- 1947 – 1948 – 1% DDT oiling and 5% DDT fogging (dumps)
- 1949 – Rhothane/DDD oiling (less toxic than DDT); Pyrethrum and DDT spraying; DDT capsules “can be used in rain barrels”
- 1950 – Rhothane/DDD oiling; Fogging 5% DDT with 0.5% Lethane between 11 PM and dawn “went up and down each street and alley”

Private, Individual Control

- Pyrethroids
 - Permethrin
 - Resmethrin
 - Deltamethrin
- Specific details hard/impossible to find
- “Natural” option offered by some, but clearly marketed as less effective

Pyrethroid - Benefit

- They do work
 - “Barrier treatments were effective at lowering mosquito populations although there was variation between studies and for different mosquito species.”

Pyrethroid - Costs

- Lethal to Monarchs 23 meters downwind of ULV application in 1-2 m.p.h. wind
- Lethal to Monarchs 120 meters downwind of ULV application in 8-11 m.p.h. wind
- Increased larval mortality for up to 21 days after being fed sprayed milkweed
- Residual killing time > 1 day

Pyrethroid - Costs

- Toxic to cats (less so to dogs)
- Toxic to fish, and should be kept out of bodies of water
- EPA “risk quotient” for “terrestrial avian species” are below EPA’s “levels of concern”
 - But, birds eat insects

Pyrethroid - Costs

- Extremely toxic to bees
- Associated with “bee kills” and colony collapse disorder
- Sublethal exposure resulted in <50% bees returning to hive
- Significantly decreased fecundity
- Reduced movement (30-71% decrease)
- Reduced social interactions (43-67% decrease)
- High levels detected in pollen collected by bees (pyrethroids most prevalent of pollen residues)

Alternatives

- Remove standing water
- Mosquito repellent
- Loose clothing
- Go indoors
- Screens

What can the EFC and Winnetka do?

- Educate residents about harmful effects of pesticides, and possible alternatives
 - Vet mosquito abatement companies that are using non-toxic chemicals and recommend them to residents
- Screened in porches
 - Change building codes that include all porches with screens (temporary or permanent) in GFA
- Evaluate Park District pesticide methods

Basic human rights must include the "right of the citizen to be secure in his own home against the intrusion of poisons applied by other persons"

Rachel Carson

Questions/Considerations

- Rights of homeowner
- Rights of neighbors
- Community concerns
- NSMAD vs. private use