SUSTAINABILITY PLAN UPDATE
The Strategy for 2020-2022

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City of Highland Park
The City of Highland Park is a municipal leader in sustainability initiatives within the Chicago metropolitan region. Sustainability objectives at the municipal level require numerous stakeholders to work together to provide input, resources, and solutions. The City’s 2020-2022 Sustainability Plan serves as a guide for the City of Highland Park to further improve sustainability in City functions and advance our community’s environmental stewardship.

The Sustainability Plan spans three years and identifies the City’s major sustainability accomplishments over the past three years while charting the path for future sustainability efforts, goals, and budgeting for the years of 2020 through 2022.

The Sustainability Plan is organized by focus areas of importance to the City including:

- **Communications:** The City will promote sustainability initiatives and programs for residents and commercial entities in effective and impactful ways.
- **Economic Development:** The City successfully launched the Highland Park Composts! program in 2019. The City plans to launch a sustainable business recognition program in 2020 and to provide sustainable resources for community businesses.
- **Energy:** The City has set a greenhouse gas reduction goal of 5% by 2023 and began participation in a community solar subscription. The City also attained SolSmart Bronze designation. The City will continue its focus on both local and regional energy reduction goals.
- **Leadership:** The City received recognitions for sustainability programs and initiatives. The City will continue leadership in sustainability by abiding by the Greenest Region Compact, Global Covenant of Mayors for Climate and Energy, and other pledges.
- **Mobility:** The City received the Bike Friendly Communities Bronze designation in 2019. The City’s future efforts include implementing the 2020 MoveHP plan update.
- **Natural Areas:** The City will continue proactive stewardship of the natural environment by addressing critical natural areas in our community.
- **Waste Management:** The City will continue to lead efforts toward reducing total solid waste volumes and increasing participation in recycling and composting programs.
- **Water:** The City’s Water Plant received the Water Saver Utility Award for its Water Conservation program. The City will continue its leadership in water conservation, address stormwater issues, and advocate for community water efficiency.

This plan is a working document and is used in the day to day operations of the City. It is reviewed for progress annually to ensure goals are being met and to determine what challenges may exist towards achieving specific goals. Please contact the City Manager’s Office at 847.926.1000 with any questions about this Sustainability Plan or to discuss sustainability initiatives.
The City of Highland Park issued its first Sustainability Plan in 2010 and since then it has implemented many of the recommended projects and new policies, and has embedded sustainable practices and procedures within its departments. Sustainability is truly a routine feature of Highland Park’s municipal operations.

In 2016, the City reviewed its unmet needs in the subjects touched by sustainability and developed a “short term strategic plan” to establish specific actions and targets for the years of 2017, 2018, and 2019. This update was developed by combining outstanding goals from the 2010 plan and introducing new objectives from two independent resources:

- The Greenest Region Compact 2\(^2\) (GRC2) – This is a valuable resource for municipal sustainability planning developed by the Metropolitan Mayors Caucus. It provides a comprehensive list of possible action items culled from over 150 sustainability plans.
- SolSmart\(^\text{ii}\) is a non-profit program that provides recognition and no-cost technical assistance to help local governments reduce barriers to solar energy growth. Similar to the GRC2, SolSmart provides a comprehensive list of possible action items focused on enabling and encouraging adoption of solar power.

These sources were used to develop a long list of possible actions to advance sustainability in Highland Park. This new version, published in 2019, provides an updated assessment of the City’s accomplishments and explores objectives for the next short term cycle: 2020, 2021, and 2022. The update reflects feedback from the City Council, City staff, the Sustainability Advisory Group, the Green Alliance, and residents.

Funding sources for Sustainability Plan initiatives include the City’s Sustainability Fund, partnerships with governmental and non-governmental organizations and grant funding. The City utilizes revenue from its refuse and recycling franchise and the Recycling Center to fund sustainability initiatives.
Highland Park first addresses sustainability by informing residents and businesses about opportunities to advance environmental priorities collaboratively. This elevates the act of communicating and public education about sustainability into a prominent role in this strategic plan. Much of the work will be coordinated by the City Manager’s Office, with other departments and committees providing subject matter expertise.

2017 – 2019 Accomplishments

- Sustainability information was distributed at public events, including the introduction of food scrap composting in 2018 at the Taste of Highland Park and the Port Clinton Art Fest.
- As suggested by the Natural Resources Commission, a GIS-enabled “crowd source” populated map of sustainability actions was developed and launched in 2018.
- Translated the City’s ravine maintenance brochures to Spanish and produced brochures for public distribution.
- A bird friendly architecture guide was published by the Community Development department in 2017.
- An informational piece providing green infrastructure guidelines for residents about protecting natural areas/fresh water from contaminated runoff, and potable water conservation strategies, was published by Public Works in 2017.
- The greenhouse gas (GHG) emissions baseline, created in 2016, was updated with 2017 and 2018 data.

2021 – 2022 Actions

City Manager’s Office

- Continue to facilitate the Green Alliance, a collaborative group of representatives from local governments and institutions such as the county, library, park district, school districts, township, hospital, and the business community.
- Promote sustainability with residents at festivals, lectures, workshops and other events, and expand food scrap composting participation at events hosted by Green Alliance organizations.
- Promote food businesses that have implemented food scrap composting.
- Add more citywide sustainability actions to the searchable online map and continue promotion of the map for use by residents, businesses, and property owners.
- Promote the free home energy audits offered by ComEd and other partners, and energy efficiency incentive programs.
- Create imagery with sustainability information to be displayed on HPTV Channel 17, social media, website, and Highlander Newsletter. The imagery would help with further promoting sustainability and providing public education on sustainability matters.
• Increase communication about solid waste management, specifically to increase the rate of participation in both recycling and composting among all account types.
• Update municipal and city-wide emissions data annually including utilities, fuel consumption, and solid waste to quantify changes in greenhouse gas emissions. The data will be compared to goals set in the original 2010 Sustainability Plan, specifically to:
  o Improve lighting and mechanical efficiencies of municipal buildings by 50% by 2030\textsuperscript{ii}.
  o Increase recycling by 50% by weight, and reduce non-recyclable waste by 50% compared to 2008 tons by 2020\textsuperscript{v}.
  o Reduce potable water consumption annually by 2030 by enforcing the City’s Water Conservation and Efficiency Initiative approved in 2013.
  o Decrease Citywide vehicle miles traveled (VMT) to 50% below 2008 levels by 2030\textsuperscript{v}.
• Compile year-end achievements on all 2019 tasks and draft the 2020 unified citywide work plan in cooperation with the City’s departments.
ECONOMIC DEVELOPMENT

The City of Highland Park has a robust business environment with nine business districts, and the City Manager’s Office Business Development Division conducts regular outreach with the City’s business community. The City’s role in engaging the local business community merits a meaningful approach toward promoting sustainability initiatives that can be undertaken by businesses, and also to assist with attaining the sustainability goals identified as desirable by the business community.

2017 – 2019 Accomplishments
- The City restructured its Environmental Award in 2019 to apply to individuals and businesses, and recognized new composting businesses through its communications platforms.
- In 2019, the City partnered with SWALCO, Lakeshore Recycling Systems and local consultant, Bright Beat, to launch the Highland Park Composts! program to encourage businesses to improve single-stream recycling and begin composting food scraps. The program conducted outreach and provided consulting services to six businesses resulting in a 50% increase in participation.

2020 – 2022 Actions
City Manager’s Office
- Engage the Chamber in a discussion about its priorities and concerns of its member businesses. Specific to sustainability, the discussion will explore:
  - How the subject of sustainability can be used to promote local businesses.
  - How the City can recognize and support businesses that practice and promote sustainability, as well as local goods & services.
- Promote the environmental awards through its multiple communication platforms, including recognizing landscape contractors that utilize sustainable methods and low-emission equipment.
- Evaluate an Environmental Business Recognition Program acknowledging businesses who have implemented environmentally friendly processes into their operations.
- Evaluate establishing a sustainability grant program for local businesses and multifamily residential properties to implement sustainability improvements to their properties.
- Continue Highland Park Composts! program and outreach to continue growing food business participation in composting. Continue promoting those businesses that implement or continue composting.

“Food Truck Thursdays” brings the Highland Park community together, showcases local and regional vendors, and promotes sustainable practices.
Energy management is a crucial component of any sustainability plan. The ultimate energy goals of the City are to increase the efficiency of its buildings and vehicle fleet, and reduce reliance on fossil fuels by enabling and increasing access to renewable sources of energy. Multiple departments have a role to play in reducing Highland Park’s energy consumption. Energy management extends beyond the borders of the City and is a regional matter. As such, the City will focus its efforts towards achieving its energy goals locally as well as regionally through intergovernmental councils of government, with sister governments, and through partnerships with neighboring communities.

2017 – 2019 Accomplishments
City Manager’s Office
- The City achieved SolSmart Bronze designation in 2018.
- Finalized the greenhouse gas emissions baseline and set an overall reduction goal of 5% by 2025.
- The City participated in the development of Lake County’s joint purchasing opportunity for solar power. Through that effort, the City anticipates entering into a contract to install a solar photovoltaic system on the water plant by the end of 2019.
- The Ravinia Park-n-Ride Pace busses no longer idle as of April 2018, the result of a collaborative agreement between City and Pace Transit Services representatives.
- Purchased a community solar subscription for City facilities resulting in annual energy cost savings to the City while supporting solar infrastructure.

Community Development
- Completed the Lighting Code Amendments requiring dark sky compliant lighting on private property in specific zones.
- Facilitated the adoption of the updated International Energy Conservation Code.

Public Works
- Participated in a demand response pilot program to reduce energy consumption at the Water Plant. Results showed that this method of energy reduction is challenging because the plant cannot cycle off due to customer load.
- Implemented an environmentally friendly vehicle policy, approved by City Council, which requires any future inspector or administrative vehicles to be electric or hybrid, and requires a triennial review.
• Department policy is to make all facility retrofits as energy efficient as possible. Examples include reflective roofing materials, high-efficiency mechanical equipment, streetlights are replaced with LED fixtures, and almost all of the City’s holiday light displays are also LED.
• Replaced six high-emitting gas-powered blowers with zero emission electric models.

Public Safety
• The Fire Department replaced a conventional sedan with a hybrid vehicle for its staff car.
• The Police Department also replaced a conventional sedan with a hybrid, and acquired its first pursuit-rated hybrid vehicle, the Ford Interceptor.

2020 – 2022 Actions
City Manager’s Office
• Secure 100% green power in the 2020 residential aggregation contract.
• Participate in efforts by the Metropolitan Mayor’s Caucus to negotiate changes to the ComEd franchise agreement to enable the City to recoup costs of energy upgrades to City buildings.
• Promote anti-idling through public education and in partnership with Green Alliance.
• Explore opportunities to purchase community solar subscriptions for City operations, and to promote subscriptions available to residents and businesses.
• Promote energy efficiency programs offered by the utilities for residents and businesses.
• Monitor the progress of Lake County enabling Property Assessed Clean Energy (“PACE”) financing for energy efficiency projects on commercial facilities, promote the program when enabled. PACE financing is anticipated to be adopted by Lake County in 2020.
• Explore opportunities to install behind the meter solar panels at various City properties.
• Continue annual updates of the GHG emissions inventory and monitor progress toward the reduction goal.

Community Development
• Examine the feasibility of allowing ground-mounted solar as an accessory use by-right and providing solar-specific training for permit and inspection staff. These are required to achieve Silver in the SolSmart program. Review solar permit fees.
• Track solar installations in a format that complies with CDP reporting requirements.
• Utilize the City’s authority to vote in favor of International Energy Code updates and monitor progress. The plan, as of 2019, is for future versions of the code to be 20-50% more efficient than the 2006 version, which is expected to result in buildings that are up to 80% more efficient than current.
• Work toward net zero for new City buildings, specifically the new fire station, senior center, and library renovation.

Public Works
• Continue to maximize energy efficiency incentive programs offered by the utilities to the public sector, including custom programs.
• Complete interior lighting and streetlight retrofits with LED fixtures.
• The City’s sustainability fund will be used to fill the balance between the cost of conventional gas vehicles and the hybrid or electric options.
• Monitor the Volkswagen Settlement Plan, managed by the Illinois Environmental Protection Agency, for fleet funding opportunities.
• Review the green vehicle policy and adjust as needed to embrace technological advances.
• Consider requiring low- or zero-emission equipment in some construction and maintenance contracts.
• Standardize vehicle data collection to measure impact of fleet efficiency upgrades.
• Incorporate installation of underground conduits in City parking lots for future electric vehicle charging stations.
• Add more electric vehicles and charging stations to the City fleet.
• Work with Pace Transit Services to obtain one or more electric buses for the Highland Park fixed route service.

Public Safety
• The Police Department will monitor advances on low-emitting public safety vehicles and acquire qualified vehicles when appropriate.
The City has been recognized as a municipal and regional leader in sustainability achievements over the years, but there is always more to discover. Recognitions and awards highlight the City’s accomplishments and enhance the City’s reputation for leadership in sustainability.

Highland Park also has a strong history of collaborating with neighboring communities, such as on the creation of the GIS Consortium and the North Shore Electricity Aggregation Consortium. Specific to sustainability, the City’s leadership on the electric vehicle charging station purchasing agreement was a great success. New opportunities are available every year and can result in cost savings while also achieving policy objectives.

Leadership and recognition efforts will be led by the City Manager’s Office.

2017 – 2019 Accomplishments
City Manager’s Office
- Secured an AmeriCorps position through the Metropolitan Mayors Caucus’ Greenest Region Corps program (GRCorps). This individual dedicated approximately 40 hours per week towards accomplishing many of the City’s sustainability-related initiatives and goals, including the interactive online map, the restaurant composting program, the implementation of improved waste diversion practices at city facilities, policy research and recommendations, and continuous community outreach and education.
- Joined the Global Covenant of Mayors, an “international alliance of cities and local governments with a shared long-term vision of promoting and supporting voluntary action to combat climate change and move to a low emission, resilient society.” Joining the organization included a commitment by the Mayor, reporting its greenhouse gas emissions inventory to the Carbon Disclosure Project, and developing a Climate Hazard Assessment.
- Issued a Request for Proposal to secure sustainability consulting services in collaboration with the City of Lake Forest.
- Restructured the Natural Resources Commission into the new Sustainability Advisory Group (SAG), enabling participation by more residents.
- The City achieved SolSmart Bronze designation in 2018.

Community Development
- Facilitated the approval of a code amendment allowing backyard chicken coops.
- Achieved Honorable Mention in the Bike Friendly Communities program.
- Implementation of streamlined permitting and e-permit applications resulted in a reduction in paper usage and expedited permits.
Public Safety
- The Police Department began transitioning to a citation software program that cuts the use of paper by half, and a license plate reader software program. These new systems have the additional benefits of (a) increased productivity and (b) reduced engine idling.

2020 – 2022 Actions
City Manager’s Office
- Secure a GRCorps intern to support citywide sustainability programming.
- Research opportunities to apply for recognition programs such as Cities 100 and Walk Friendly Community. Staff will facilitate discussions with City commissions and the Green Alliance to determine whether or not to pursue applications and develop work plans accordingly.
- Explore opportunities for greater efficiency or impact by working in partnership with neighbors including, but not limited to, Deerfield, Highwood, Lake Forest, Lake Bluff, Wilmette, and Glencoe, and collaboration opportunities offered at the county level.
- Establish a Sustainability Speaker Series with the Sustainability Advisory Group, and partner with other sister governments for such public education events.
- Complete the Global Covenant of Mayors requirements by developing full climate action and adaptation plans by the end of 2022.
- The Police Department may eliminate paper citations by 2022, if the Lake County court system’s online communication portal is completed as planned.
Highland Park is dedicated to providing safe and interconnected alternate modes of transportation including walking, cycling, mass transit, and zero-emission vehicles. Emissions due to the City’s vehicle fleet are captured under the Energy category, but the citywide bike and pedestrian network, privately-owned vehicles, and mass transit options, enable mobility for all residents and visitors. Highland Park has a Bike/Walk Plan published in 2012 which aims to make the city more accessible to travelling on foot and by bike. Progress is monitored by the Transportation Advisory Group and Public Works is the lead department responsible for implementing its recommendations every year.

2017 – 2019 Accomplishments

- The City was designated a Bike Friendly Community at the Bronze level in 2018. As stated by the League of American Bicyclists, a Bike Friendly Community “welcomes bicyclists by providing safe accommodations for bicycling and encouraging people to bike for transportation and recreation.”

- In 2017, grant funding enabled drainage improvements for the Robert McClory Path, and completing a bicycle “sharrow” and signage plan.

- Developed 5-year update to the City’s Bike / Walk Plan that captures achievements to-date and sets forth next steps for continued future investment in this important area.

- Partnered with the community to increase biking and walking through events such as the Trek Bike Fair, NSSD112 Bike/Walk to School Days, and Historical Cycling Architectural Tour.

- Established the first Family Friendly Bikeway in Illinois, including permanent signage.

2020 – 2022 Actions

Public Works

- Public Works has proposed multiple bike/walk improvement projects to be constructed between 2020 and 2022, as recommended by the Bike/Walk plan. Examples from the 21 proposed projects are:
  - Clavey Road Side Path (Green Bay to Route 41 Ramp)
  - Green Bay Road (Central to Clavey) Bike and Shared Lane
  - Sheridan Road Sidewalk (Roger Williams Av to Cedar/Dean)

- Collaborate with Pace Transit Services to expand use of electric busses on additional routes through Highland Park.

Community Development

- Advance from Bronze to Silver in the Bike Friendly Communities program.
Highland Park is known for the proactive stewardship of its natural environment. The City has worked diligently to care for its trees, ravines, and other habitats through code protections and widespread public education efforts. Multiple departments and commissions have a role to play.

2017 – 2019 Accomplishments

Public Works

- The Public Works Department received a grant from ComEd grant to create a pollinator garden along the Robert McClory Bike Path, a combination of edibles and pollinators. The project was implemented in partnership with the Park District of Highland Park and the Ravinia Garden Club.

2020 – 2022 Actions

City Manager’s Office

- Add municipal and private pollinator gardens to the City’s searchable map and the Million Pollinator Garden Challenge’s database.

Public Works

- Continue to develop new habitats to support plant pollinators through the Million Pollinator Garden Challenge in partnership with the Park District.
- Promote the benefits of native and pollinator plants and raise awareness of invasive species through educational materials and other communication vehicles.
- Work to replace invasive phragmites grass within the Briergate area with pollinator and native habitat.
- Develop and enhance educational materials and programs for property owners and landscapers in the areas of Highland Park’s ravines, bluffs, and shorelines.
WASTE MANAGEMENT

The challenges in the waste management field have increased since the last update of this plan. Online shopping has increased packaging waste and changes in the international market for recyclable materials has reduced opportunities for landfill diversion. Although Highland Park consistently achieves a citywide recycling rate near 30% (40% for residential) there is room to expand participation in recycling and composting services. The City Manager’s office will lead the effort to reduce the City’s volume of solid waste and to increase participation in recycling programs and composting.

2017 – 2019 Accomplishments
City Manager’s Office
- Collaborated with Lakeshore Recycling Systems (LRS), the City’s waste hauler, and public event managers to offer food scrap composting in addition to recycling.
- Partnered with SWALCO to directly engage with local businesses to increase participation in the food scrap composting service. Educating and supporting food scrap composting resulted in implementation at three businesses, totaling a monthly diversion of more than eight cubic yards of food scraps being composted rather than landfilled.
- Implemented a pilot program to increase recycling at City Hall and in the Public Works building.
- Conducted an outreach campaign to multi-unit residential properties to increase their recycling rate and gauge interest in food scrap composting.
- Included food scrap composting at special events including the Port Clinton Art Festival and Food Truck Thursdays.

2020 – 2022 Actions
City Manager’s Office
- Expand the City facility recycling program and introduce food scrap composting as well.
- Expand composting program to sister government’s special events.
- Demonstrate progress toward making City-sponsored events zero-waste.
- Draft and issue waste, recycling, and composting commercial and residential hauling agreements RFP with requested services and pricing aimed at reducing overall residential and commercial waste and maximizing recycling and compost participation.
- Focus on opportunities to promote reuse through special events and in conjunction with SWALCO.
- Encourage use of compost by contractors, evaluate the use of compost for use in City projects, and work to provide information about compost to residents.

The food scrap bin of one of the restaurants participating in the Highland Park Composts! program.
• Collaborate with LRS and SWALCO to increase the City’s recycling and composting rate by weight (percent of total waste) and by participation (percent of total accounts recycling/composting). The 2018 baseline figures are as follows:
  o Recycling and composting rate by weight (percent of total tons of waste)
    ▪ Commercial Accounts: 16% recycled and 0% composted
    ▪ Residential Accounts: 41% recycled and 6.5% composted
  o Recycling and composting rate by participation (percent of total accounts)
    ▪ Commercial Accounts: 76% have recycling service and 1.7% have organics service
    ▪ Residential Accounts: 100% of residential customers have recycling service, but it is challenging to track the participation rate in the organics service due to the opt-in process. This will be explored in 2020.
Highland Park sits on the shore of Lake Michigan and operates a Water Treatment Plant that provides potable water to more than 60,000 customers within Highland Park and other area municipalities. Highland Park is dedicated to protecting its surface and groundwater sources with both the City Manager’s Office and Public Works taking a leadership role.

2017 – 2019 Accomplishments
City Manager’s Office
- As recommended by the SAG, the City passed an ordinance in 2017 banning the use of driveway sealing products containing coal tar. Coal tar sealcoat “degrades over time into small particles with high levels of polycyclic aromatic hydrocarbons (PAHs), [a known carcinogen], that can be tracked into homes or carried into streams as runoff.”ix
- Created green infrastructure guidelines to help residents with implementing green stormwater management projects.

Public Works
- Consistently engages with Lake County Stormwater Management Commission and FEMA to assess and mitigate impact of higher intensity storm events. Departmental staff represent the City in the Lake Michigan Watershed Group and the Upper Des Plaines Watershed Group.
- Completed multiple green infrastructure projects on City property including the City Hall/Hazel Ave. parking lot and various permeable alley reconstructions.
- Joined the North Branch Watershed Group which conducts wet sampling of stormwater outflows on the City’s behalf. These assessments measure the level of regulated contaminants in the river within the City’s boundary.

2020 – 2022 Actions
City Manager’s Office
- Expand enforcement of the City’s phosphate ban and address the use of pesticides and salt. The City will comply with recommendations from the Lake County Stormwater Management Commission which is leading the effort to identify best practices on these issues.

Public Works
- Lead effort with Community Development, the City Manager’s Office, and the Lake County Stormwater Management Commission, to identify effective and appropriate measures to meet stormwater quality regulations.
- Collaborate with Lake County Stormwater Management Commission to develop and enhance educational materials and programs for property owners and landscapers in the areas of Highland Park’s ravines, bluffs, and shorelines.
• Continue to incorporate green infrastructure treatments on City-owned property, including the Right of Way, into its storm sewer replacement projects, and to educate private landowners about the benefits of such projects on their own properties.
• Identify opportunities to encourage green infrastructure through the sewer permit requirements.
• Develop public education about reducing contaminants from stormwater runoff.

Community Development
• Complete a code amendment that will speed the review process for beach structure permits, required to protect the City’s shoreline.
• Collaborate with Public Works to explore options to clarify the green stormwater management infrastructure and techniques allowed in the municipal code.
END NOTES

i Metropolitan Mayor’s Caucus Greenest Region Compact 2
http://mayorscaucus.org/initiatives/environment/regional-environmental-collaboration/

ii SolSmart, http://www.gosparc.org/

iii Between 2013 and 2015, the City’s electricity consumption increased 9% and natural gas consumption decreased by 21%.

iv Between 2013 and 2015, the City’s landfill tons decreased by nearly 5%, and recycling tons decreased by 55%. Refuse as percent of total waste tons was relatively flat, 2009 vs 2015.

v Highland Park’s 2008 VMT was estimated to be 19,527. This goal would reduce Highland Park’s VMT to approximately 9,700 miles per year. The national average is 11,244. The City fleet’s fuel consumption in 2018 was 8% lower than the GHG baseline which was the average of 2014, 2015, and 2016.


vii Global Covenant of Mayors, https://www.globalcovenantofmayors.org/about/


ix Berkowitz, Karen. “Highland Park Bans Coal Tar Sealant” Chicago Tribune, 01/13/2017