



# SUSTAINABILITY PLAN, 2022 Update

Previously approved in 2015, 2018, and 2022

The Sustain Libertyville Commission was established via ordinance for the following purposes:

- To encourage residents/property owners, builders, and developers to protect the environment
- To make environmental information and resources readily available
- To create partnerships with interested parties to help achieve mutually beneficial sustainability goals
- To review and recommend sustainable initiatives which are fiscally responsible and enhance economic vitality
- To provide recognition to those who have made exceptional contributions and/or efforts toward improving the sustainability of the Village

Chairperson: Doug Reed

Members:

Dave Neu

Dave Wilms

Carol Cooper

Heather McGreevy

Eric Podlogar

Cathy O'Brien

Staff Liaison: Kelly Amidei, Village Administrator

Erin Baynes, Management Analyst

## WASTE AND RECYCLING

CURRENT: The Village of Libertyville is a founding member of SWALCO (The Solid

Waste Agency of Lake County). Libertyville works directly with SWALCO to promote the County-wide initiatives of SWALCO.

The 2009 Solid Waste Management Plan set a goal of a 60% recycling rate for Lake County by the year 2020. SWALCO's recycling task force set up the following specific goals for its members.

Municipal Waste Franchise	Completed in 2006
Recycling Carts	Completed in July 2010
Cart Upgrade Option	Completed in December 2014
Volume-Based (PAYT) Option	Sticker program offered for many years (15+)
Multi-Family Franchise	Implemented February 1, 2015
Commercial Franchise	Implemented February 1, 2015
Construction & Demolition Debris Ordinance	Future goal
e-Scrap Collections	Added to curbside pick-up of residential contract
Textile Collections	LCDOT - Year-round
Pharmaceuticals Collection	Police Department - Year-round

Per Capita Per Day Disposal Rates (2010-2020)

2010	2.07 lbs
2011	1.95 lbs
2012	1.88 lbs
2013	1.94 lbs
2014	1.82 lbs
2015	1.57 lbs
2016	1.62 lbs
2017	1.81 lbs
2018	1.62 lbs
2019	1.64 lbs
2020	2.03 lbs

# WASTE AND RECYCLING

## Accomplishments

- SWALCO initiatives previously listed.
- The Village's single-family residential recycling program began in 1990 (approx.) and the tonnage has increased from 2064 in 1999 to 2372 in 2021.
- Christmas tree composting offered annually.
- Commercial Waste contract now includes recycling up to 1.5 cubic feet at no additional cost.
- Utilization of numerous recycled and green products in Village spaces, including recycling in Village buildings when feasible.
- Recycling containers added to Village parks.
- Expansion of recycling to businesses and multi-family.
- Elimination of bottled water at Village facilities (currently encouraging). Addition of refillable water fountains at certain Village facilities.
- Initiated recycling at Libertyville Days 2015 which continues to this day
- Recognizing businesses that are recycling with a sticker/decal program.
- Operating a curbside electronics recycling pick-up program.
- Offering of larger residential recycling bins.
- Pumpkin Compost Event held in early November since 2019, with 2 large roll-off containers filled.
- Initiated business and residential food composting efforts.
- Re-established Annual Green Living Fair.
- Implemented compost bin partial reimbursement program.



2021 Pumpkin Compost Event

# WASTE AND RECYCLING

## Future Goals/Initiatives

- Continue to recognize businesses that are recycling with a sticker/decal program.
- Continued public education efforts through the Village newsletter, website, social media, and other communications on “green tips” for Village residents and businesses.
- Promotion of education and awareness through dedicated website and communication pieces.
- Increased recycling at community events.
- Encourage residents to clean up found recycling items in the community.
- Continue to research and promote business and residential food composting
- Offer food composting and educate businesses regarding options (Village businesses only).
- Encourage the use of alternate containers for take-out (recyclable/compostable).
- Encourage non-plastic straw usage.
- Add recycling bins along Milwaukee Avenue and in transit stations.
- Contact commercial customers to inform them of complimentary recycling option.
- Investigate food waste compost with school districts.
- Investigate participation in county-wide green event with CLC and other communities.

# AIR

## Accomplishments

- Participation in the Illinois Environmental Protection Agency (IEPA) partnership for clean air, limiting certain polluting activities on designated ozone action days.
- Libertyville Civic Center converted lawn mower, leaf, and snow blower equipment to battery operation, eliminating gasoline storage.
- Village-imposed policy on idling of Village vehicles.
- “Bike to Metra” map created through grant with and in partnership with Libertyville Township.
- Received a grant from the Metro Mayor’s Caucus to retrofit 7 diesel-powered vehicles and reduce emissions.
- Use of summer police bicycle patrol.
- Tree City USA recipient since 2000 and tree inventory plan to replace parkway trees removed due to EAB.
- Promotion of the Shop Libertyville economic development campaign to emphasize saving gas and traveling time.
- Two EV charging stations located at the Church parking garage and preferred parking.
- Explored options for less environmentally impacted mosquito control and implemented cost-effective changes.
- Added an electric vehicle to the Village’s fleet with a grant from ComEd.

## Future Goals/Initiatives

- Work with Bicycle Advisory Commission to further promote bicycling by highlighting the Village bike path system, including bike racks in Village parks and at all Village facilities.
- Install additional EV charging stations in the Village.
- Review replacement of Village-owned vehicles with EV or hybrid vehicles.
- Idle-free zone education and signage at targeted locations (i.e. school drop-off).
- Explore the use of sustainable alternative energy for Village vehicles.
- Explore options for mosquito control with less environmental impact.
- Add preferred parking for electric vehicles in downtown/commuter parking areas.
- Educate about and encourage the use of air filter scrubbers for restaurants.
- Explore alternate fuels for Village grass mowing equipment.
- Expand the Village’s Arbor Day ceremony.
- Complete the Bird City application
- Explore the possibility of multi-family EV charging station grants.

# LAND USE

## Accomplishments

- Maintained and continued preservation of Village-owned open space and park land.
- Incorporation of naturalized landscaping features, including shoreline stabilization and native prairie plantings along the shore of Butler Lake, and the installation of a bio-swale along the east side of Butler Lake.
- Native plant garden established adjacent to Village Hall (May 2019).
- Rain barrel 50/50 reimbursement program (average 6/year).

## Future Goals/Initiatives

- Review options to incorporate green building codes and potential incentives for use of greenbuilding initiatives (ongoing).
- Continued publication of educational items in Village Views, such as native plant alternatives.
- Investigate options through Cool Cities Global Alliance program.
- Educate on alternatives for property management.
- Increase the number of pervious surfaces and related education.
- Maintain and add educational signage with QR code to native plant garden located at Village Hall.
- Investigate native plant gardening options for public parcels like cul-de-sacs.

# ENERGY

## Accomplishments

- Village website hosting site powered with renewable energy (wind).
- Libertyville Sports Complex parking lot lights switched to LED high-efficiency lighting.
- Reviewed cost associated with converting Village's traffic signals to LED and reducing electrical consumption.
- Fire Station Three energy efficiency lighting upgrades that have resulted in an estimated \$10,000 yearly cost savings and 102,911 kWh yearly savings.
- Use of solar power for warning sirens operating in Village.
- Assisted with launch of ComEd smart meters in 2017.
- Groot vehicles for Waste collection utilizing CNG for "fuel."
- Awarded SolSmart Silver designation in 2019.
- Designation as an EPA Green Power community.
- 100% REC purchase through the municipal aggregation program (2020-2022).
- Converted streetlights to LED in 2022.

## Future Goals/Initiatives

- Education of renewable energy options for residents.
- Facilitate home energy programs provided by electric and gas providers.
- CUB energy saver program for savings suggestions.
- Explore alternative energy options for Village buildings.
- Issuance of RFP for solar use on Village property (WWTP).
- Continue to support sustainable energy through the municipal aggregation program..

# WATER

## Accomplishments

- Certified stormwater management community since 1999 which requires review of developments and protection of the surrounding environment from potential damage from stormwater runoff.
- Village Stormwater Plan adopted in 2018; related stormwater utility fee adopted in 2020.
- Founding member of the Central Lake County Joint Action Water Agency (CLCJAWA) which provides the Village with a supply of water from Lake Michigan and requires ongoing water conservation regulations and enforcement.
- Village Board approval of an ordinance banning the use of phosphorous ~~for~~ (with some exceptions) in the Village (January 2015).
- Operation of Wastewater Treatment Plant (WWTP) in accordance with EPA regulations.
- Exploration of a high-water usage rate. Currently have a tiered rate structure.

## Future Goals/Initiatives

- Educate residents on the importance of water conservation with ongoing tips.
- Promote the established watering ban.
- Explore use of rain barrels at Village locations, including train stations.
- Investigate participation in the Mayor's Waters program.
- Reduce salt usage and educate on alternatives.



# LOCAL FOOD

## Accomplishments

- Continued to promote and coordinate with the Community Gardens, including composting trial information.
- Publicized the Libertyville Farmers Market run by MainStreet Libertyville.
- Promoted area gardening educational offerings.
- Shared educational information and resources from partner organizations, including SWALCO and Groot, in weekly e-newsletter and across social media.

## Goals/Initiatives

- Promote local food options and farmers markets.
- Promote Community Supported Agriculture (CSAs).
- Promote growing your own food on-site as a means of saving money.
- Inform residents of what sustainable options are available.
- Create neighborhood garden options.

