



SUSTAINABILITY PLAN, 2018 Update

Accepted by the Libertyville Board of Trustees on August 28, 2018.

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:

Joan Sayre

Dave Neu

Dave Wilms

Carol Cooper

William Cotey

Cathy O'Brien

**Staff Liaison: Patrick Hastings,
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 on February 1, 2015
Commercial Franchise	Implemented on February 1, 2015
Construction & Demolition Debris Ordinance	Future goal
E-Scrap Collections	600 North Ave. Open May-October 8AM-Noon
Textile Collections	LCDOT-Year round
Pharmaceuticals Collection	Police Department-Year round

Per Capita Per Day Disposal Rates (2010-2015)

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	1.30 lbs
2017	1.46 lbs

GOALS

2015	1.60 lbs.
2020	1.35 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 (1999) to 2265 (2017).
- Christmas tree composting is offered annually.
- Commercial Waste contract now includes recycling up to 1.5 cubic feet at no additional cost.
- The Village utilizes numerous recycled and green products. Also Village buildings have recycling and composting when feasible.
- Added recycling containers to Village parks.
- Expansion of recycling to businesses and multi-family.
- Elimination of bottled water at Village facilities (currently encouraging). Added refillable water fountains at certain Village facilities.
- Recycling at Libertyville Days was initiated during 2015 and continues.
- Recognize businesses that are recycling with a sticker/decals program.
- Operating a resident Electronics drop-off site.
- Offering of larger residential recycling bins.

WASTE AND RECYCLING

Future Goals/Initiatives

- Continue to recognize businesses that are recycling with a sticker/decal program.
- Document the current amount of recycling from businesses and work to increase participation and amount recycled, to meet the PCPD goal for 2015/2020. (Please note 2015 goal was met)
- Continued public education efforts through the Village newsletter, website, and other communications on “green tips” for Village residents and businesses.
- Education and Awareness through dedicated website and communication pieces.
- Increase the amount of recycled products used in Village facilities.
- Expand to an all year long residential electronics drop-off site.
- Continue to coordinate with Lake County Green Congregations.
- Increase recycling at community events.
- Encourage residents to clean up found recycling items in the community.
- Business and residential food composting.
- Offer food composting (Village businesses only). SWALCO intern to go “door-to-door”.
- Dissuade straw usage.
- Add recycling bins along Milwaukee Avenue

AIR

Current:

Accomplishments

- The Village participates in the Illinois Environmental Protection Agency (IEPA) partnership for clean air and limits certain polluting activities on designated ozone action days.
- Civic Center converted lawn mower, leaf and snow blower equipment to battery operation, eliminating gasoline storage.
- EV charging stations were installed in the new Church Street parking facility.
- Village 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.
- Summer police bicycle patrol.
- Tree City USA recipient for 20 years and offers 50/50 tree program.
- 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.
- Explore options for less environmentally impacted mosquito control. Implemented cost-effective changes.

Future Goals/Initiatives

- Further promotion of bicycling by highlighting the Village bike path system, bike racks in Village parks and at all Village facilities. Work with Bicycle Advisory Commission.
- Install additional EV charging stations in the Village.
- Review replacement of Village owned vehicles with EV or hybrid vehicles.
- Idle free zone education.
- Explore the use of alternate energy for Village vehicles.
- Explore options for less environmentally impacted mosquito control.
- Preferred parking for E vehicles in downtown/commuter parking areas.
- Educate and encourage the use of air filter scrubbers for restaurants.
- Explore alternate fuels for Village grass mowing equipment

LAND USE

Current:

Accomplishments

- Maintain and continued preservation of Village owned open space and park land.
- Several Village projects have incorporated 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.
- Educational information on native plant alternatives was presented during the 2018 Green Living Fair and is also planned for the Spring newsletter.

Future Goals/Initiatives

- Review options to incorporate green building codes and potential incentives for use of green building initiatives. (ongoing)
- Review options to implement a Construction & Demolition Debris Ordinance. (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.
- Development of a native demonstration garden.
- Increase the amount of pervious surfaces.



2018 Green Living Fair

ENERGY

Current:

Accomplishments

- Village website hosting site powered with renewable energy (wind).
- Libertyville Sports Complex parking lot lights switched to LED high efficiency lighting.
- Review cost associated with converting Village's traffic signals to LED and reducing electrical consumption.
- Fire Station Three energy efficiency lighting upgrades that will result in an estimated \$9,262 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".

Future:

Goals/Initiatives

- Education of options for residents.
- Facilitate home energy programs provided by electric and gas providers.
- CUB energy saver program for savings suggestions.
- Educate on real-time usage of electric and gasoline.
- Explore options to convert streetlights to LED/Solar.
- Explore alternative energy options for Village buildings.
- Educate on use of energy to produce items in order to minimize energy use.
- Pursue SolSmart Village designation with assistance from Metropolitan Mayors Caucus.
- Purchase of renewable energy through electrical aggregation program.

WATER

Current:

Accomplishments

- The Village is a certified storm water management community since 1999. This requires the Village to review developments and protect the surrounding environment from potential damage from storm water runoff.
- The Village is a 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.
- In January of 2015 the Village Board approved an ordinance banning the use of phosphorous fertilizer (with some exceptions) in the Village.
- The Village takes great pride in operating its Wastewater Treatment Plant in accordance with EPA regulations.
- Explore a high water usage rate. Currently have a tiered rate structure.

Future:

Goals/Initiatives

- Educate residents on the importance of water conservation (Lake County Stormwater Management Commission) with ongoing tips.
- Explore a high water usage rate.
- Lake and river clean-ups.
- Explore use of water at Riverside Park (Des Plaines river?).
- Promote watering ban (established).
- Explore use of rain barrels at Village locations. Consider at train stations.
- Investigate participation in the Mayor's Waters program.



LOCAL FOOD

Current:

Accomplishments

- Continued to promote and coordinate with the Community Gardens, such as sharing composting trial information.
- Publicize the Libertyville Farmer's Market (run by MainStreet Libertyville).

Future:

Goals/Initiatives

- Promote local food options and farmers markets.
- Promote Community Supported Agriculture (CSA's).
- Promote grow your own food on site-save money.
- Coordinate free plants/seeds available.
- Inform residents of what options are available

