



SUSTAINABILITY PLAN, 2015

Accepted by the Libertyville Board of Trustees on August 25, 2015

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: Mary Cotey

Members:

Michele Cadwell

Joan Sayre

Doug Reed

Jerome Lukasik

David Neu

Dave Wilms

Carol Cooper

Staff Liaison: Kelly Amidei,

Deputy Village Administrator

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	currently no vendor available
Textile Collections	LCDOT-Year round
Pharmaceuticals Collection	Police Department-Year round

Per Capita Per Day Disposal Rates (2010-2013)

2010	2.1 lbs
2011	2.1 lbs
2012	2.1 lbs.
2013	2.1 lbs

GOAL

2015	1.6 lbs.
2020	1.35 lbs.

Accomplishments

- SWALCO initiatives listed above.
- The Village's single-family residential recycling program began in 1990 (approx.) and the tonnage has increased from 2064 (1999) to 2343 (2014).
- Christmas tree composting is offered annually.
- 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.
- Offer food composting (Village businesses only).
- Elimination of bottled water at Village facilities (currently encouraging).
- Libertyville Days recycling 2015 resulted in 840 lbs. of recycling (volunteer effort)

WASTE AND RECYCLING

Future Goals/Initiatives

- Continued public education efforts through the Village newsletter, website, and other communications on "green tips" for Village residents and businesses.
- Increase the amount of recycled products used in Village facilities.

- Measure the amount of businesses utilizing recycling to meet the PCPD goal for 2015/2020.
- Recognize businesses that are recycling with a sticker/decal program.
- Education and Awareness through dedicated website and communication pieces.
- Offering of larger residential recycling bins.
- Continue to coordinate with Lake County Green Congregations.
- Business recycling recognition program (decal).
- Business and residential food composting.
- Increase recycling at community events.
- Encourage residents to clean up found recycling items in the community.

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.
- 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.

Future Goals/Initiatives

- Further promotion of bicycling by highlighting the Village bike path system, bike racks in Village parks and at all Village facilities.
- Consider EV charging stations at locations 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.

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.

Future Goals/Initiatives

- Review options to incorporate green building codes and potential incentives for use of green building initiatives.
- Review options to implement a Construction & Demolition Debris Ordinance.
- Educational items such as native plants in areas to minimize water use and also promote use of clippings on property when possible.
- Investigate options through Cool Cities Global Alliance program.
- Educate on alternatives for property management.

ENERGY

Current:

Accomplishments

- Distributed 5,200 CFL (Compact Fluorescent light bulbs) provided by the Metro Mayors' Caucus. Bulbs were available at the Green Living Fair, Library and Village Hall.
- Village website hosting site powered with renewable energy (wind).
- In 2012 the Village obtained a \$103,000 grant for the replacement of lighting fixtures at the Libertyville Sports Complex. The usage savings was anticipated to be 88.935 kw/year (need to confirm number).
- Review cost associated with converting Village's traffic signals to LED and reducing electrical consumption.
- Parking garage and other Village facilities also converted to energy efficient fluorescent lighting utilizing grants in the amount of \$303, 264. The Village usage savings is anticipated to be 779,201 kwh/year.
- Use of solar power for warning sirens operating in Village.

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.
- Assist with launch of ComEd smart meters in 2017.
- Explore options to convert streetlights to LED/Solar.
- Explore grants for alternative energy options for Village buildings.
- Educate on use of energy to produce items in order to minimize energy use.

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.

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.
- Investigate participation in the Mayor's Waters program.



LOCAL FOOD

Current:

Accomplishments

- Continue to promote and coordinate the Community Gardens.
- Publicize the Libertyville Farmer's Market (run by MainStreet Libertyville).

Future:

Goals/Initiatives

- Promote CSA's (conserve Lake County).
- Promote grow your own food on site-save \$.
- Coordinate free plants/seeds available.
- Consider Homestead market (similar to Mundelein).
- Inform residents of what options are available (i.e. is beekeeping?)

