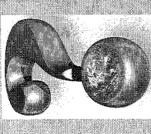


Sustainability

Framework

working together with residents and businesses Our shared vision for Lombard is a community of excellence exemplified by its government to create a distinctive sense of spirit and an outstanding quality of life."

For more information, contact: Department of Public Works 255 E. Wilson Avenue Village of Lombard



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Lombard, IL 60148

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The purpose of this Sustainability Framework is to declare policy of environmental sustainability and to comprehensively view the environmental goals and programs in the Village of Lombard. This framework was originally adopted by the Board of Trustees on May 6, 2010.

Dividing the environment into components provides a framework for viewing existing programs and the opportunities for future actions. The components necessarily overlapactions undertaken in one also affects others.

Components

Alr, Greenhouse Gasses, Water, Transportation, Land Use, Waste Diversion, Food & Energy Use

The Village partnered with the Citizen's Utility
Board in 2010 to promote their Energy Saver
Plan. The program has 156 Lombard members.

The Village began a LED and luminescent "Exit" sign replacement program in 2010 that saves participating businesses money in 11 months.

Actions to Pursue: Besides switching Village lights to LED, there is opportunity for energy reductions on commercial properties. The Village's Zoning Code allows businesses to lower parking lot lighting levels when closed to general use. An education campaign could reduce energy use as well as light pollution by making business managers realize that they will save money by timing their lights to coincide with their business hours.

These actions for the Village Hall would cost approximately \$95,000, have an average payback period of 0.7 years, and would reduce the carbon footprint by 679 metric tons, or 55% of the baseline tonnage for the Village Hall.

The Village revised its Street Lighting Policy in 2010 to include LED streetlights. LED lights were then used to replace 119 high pressure sodium lights as well as on 42 new light poles on Main Street. LED lights use only 10% of the electricity needed for high pressure sodium bulbs. The Village also installs LED traffic signals as those units are replaced.

The Village provides monthly energy tips for homeowners through TV-6 and a column in the resident newsletter.



Timeline of Major Sustainable Actions/Programs:

Longstanding

Recycling Extravaganza

Lombard Pride Day and Trails Cleanup
Recycling Education Grant Program

2007

Numerous clean air actions started (no/low VOC materials, anti-idling policy, fleet changes, public education campaign

SOOR

Rain Barrel Reimbursement Grant Program

River Sweep

Earth Hour observed

2009

US Mayors Climate Protection Agreement
Compost Bin Reimbursement Grant Program
Sustainable Energy Plan created

De-icing practices for low salt use
Added 36 bike parking spaces downtown
2010

Village Board passes Sustainability Framework
Green Building Handbook
Streetlight Policy changed to include LEDs
Stormwater filters installed
Walk to School Day
CUB Energy Saver Program

Churchill Woods Dam removed

Refuse contract changed to allow smaller toters

2011

Major New Action Items for 2011-2012

Electric vehicle charging station

Create a Climate Action Plan

goals annually. evaluate progress & update halide and halogen bulbs, reduce hallway & wall reduce facility energy use during off hours, fully include energy use in operating procedures conservation reward/recognition programs, Implementation Team, create energy one Energy Coordinator & an Energy conduct energy audits of all facilities, identify benchmark against comparable communities, facilities: establish an energy mandate, The Energy Sustainability Plan focused on the lighting, replace the HVAC automation and install motion sensors, replace remaining metal implement preventative/predictive maintenance, were also extrapolated to include the other Village Hall but the following recommendations

Energy Use



businesses as well the Village's carbon footprint lower costs for all of the Village's residents and Issue: Reducing the Village's energy use would for greenhouse gas emissions.

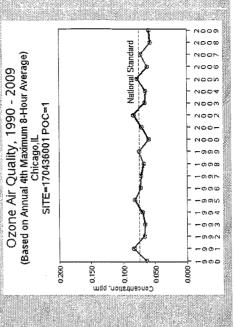
operations to the maximum extent practicable Goal: To reduce electricity and natural gas consumption for all Village facilities and and evaluate the improvements.

Actions Accomplished and Continuing: The

Village contracted for a Sustainable Energy Plan in 2009, That Plan is only summarized here but it is available from the Village's Public Works Department.



Issue: The Chicago metro region suffers from ground-level ozone, also known as smog. Goal: To prevent ozone-action days by reducing compounds (VOC) and particulate matter. nitrogen oxides (NOx), volatile organic



Actions Accomplished and Continuing: The

 on TV-6 and in the Pride resident newsletter, a 2007 based on monthly clean air information Caucus. The Village obtained the bronze level in through the Chicagoland Metropolitan Mayors Village is active in Clean Air Counts, a program

no- or low-VOC paints and an anti-idling policy gas can replacement program in 2007, using crossings and the Metra station as part of an installed anti-idling signs at all schools, railroad 15% since 2007. In addition, the Village possible. This has increased the overall mpg by hybrid cars and has downsized vehicles as for Village vehicles. The Village currently has 3

switched to green cleaning School District 44, and products at the Village Hall anti-idling campaign with and Public Works facilities.



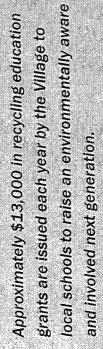
transport and store than long-distance sources. more nutritious and requires less energy to Issue: Locally grown and distributed food can be

of locally grown food. **Goal:** To increase the production and availability

support locally grown food. and the French Markets in the downtown and at Lombard Park District has a community garden Actions Accomplished and Continuing: The Yorktown Mall enables residents to obtain and

promote home gardening could be pursued, and the Lombard Gardening Club. possibly with the Park District, U of I Extension Actions to Pursue: Additional efforts to

The Village implemented a unique compost bin reimbursement program for biodegradable food scraps in 2009. The program has funded over 60 compost bins since 2009.



Actions to Pursue: An application was filed in 2010 for the State of Illinois to host and fund a Household Hazardous Waste event in Lombard.



Lombard's Environmental Concerns Committee (ECC) had set a goal of obtaining the silver or gold award level by the end of 2010. The Village surpassed the silver requirements and is only one action (passing a regulation) short of gold. Therefore, application has been made to Clean Air Counts for a silver award. In addition, the Partners for Clean Air awarded one of three awards to Lombard to recognize our actions.

Actions to Pursue: The ECC is investigating ways to increase energy efficiency and reduce urban heat island effects.



Greenhouse Gases

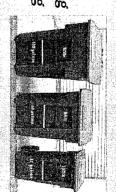


Issue: Greenhouse gas emissions are causing a trend of global warming and resulting environmental consequences.

Goal: To reduce greenhouse gases, measured as the carbon footprint of the entire Village of Lombard (not just municipal facilities and operations), by 7% below 1990 levels by 2012.

Greenhouse Gases: Carbon Dioxide occurs from burning and other chemical reactions and it is removed by plants. Methane occurs from the production and transport of fossil fuels and the decay of organic waste. Nitrous Oxide occurs from agricultural and industrial activities and burning. Fluorinated gases are from industrial processes.

Yorktown Mall increased its recycling in 2010 after meeting with the Village and Waste Management.



A new program began in 2011 to provide free weekly recycling service for a 96-gal toter for every business. Also, a new contract provision now allows all residents to obtain a 35-gal toter in lieu of the standard 64-gal toter.

collects 60 tons of electronics,
3.5 tons of metal, 100 bicycles,
500 pairs of shoes, 170 car
batteries and flags, hearing aids,
glasses, garden pots, crutches
and wheelchairs.

The Village's annual Recycling Extravaganza



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Diversion Waste



intensive trucking as well as increasingly more Issue: Waste hauling requires labor and fuel distant and expensive landfill space. Goal: Decrease the volume of refuse and yard

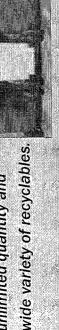
waste removed from properties.

Actions Accomplished and Continuing: The

ranks well with other municipalities due in large part to the structure of the refuse & recycling curbside weight for the past five years. This Village's recycling rate has been 30% of the

contract. The contract allows comingling of an

unlimited quantity and



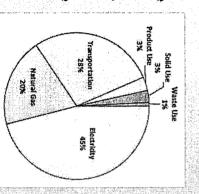
carbon footprint was not indexed in 1990, 2005 An Energy and Emission Profile was completed sources by sector, which will be used to create for the Village by the Center for Neighborhood quantifies the energy demands and emission values will be used instead as a benchmark. Values are expressed in MMT, million metric tons, of CO2e (carbon dioxide emissions): targeted programs for reductions. As the Technology (CNT) in 2009. The Profile

8 % of TOTAL	45	20	28	3	£.	T	100
MMT CO2e	0.336	0.143	، 0.204	0.023	0,019	0.005	0.729
SECTOR	Electricity	Natural Gas	Transportation	Product Use	Solid Waste	Waste Water	TOTAL

9,750 passenger vehicles from the roads (5.23 MT CO2e per vehicle), or 17,200 tons of recycling English tons. This is the equivalent to removing 2012 is 0.051 MMT, which is almost 4,000 Thus, the 7% reduction in CO2e to achieve by 7,100 kWh of electrical use (7.18 x10-4 MT/kWh). instead of landfilling (2.97 MT/ton recycled), or

signed the US Mayors Climate Protection endorsed and the Village President subsequently Actions Accomplished: In 2009, the Village Board

chapters also pertain joined the Cool Cities same time, the VIIIage Agreement. At the to Greenhouse Gases. actions in the Air, Program. Many of the Waste and Energy Use



techniques for maintaining open spaces should be explored and used where feasible. Actions to Pursue: Pesticide and fertilizer-free

the 2012 Pride Day cleanup. pending County permission, on the Illinois Will pursue a buckthorn removal project, Prairie Path and Great Western Trail as part of

our urban heat island, colored or reflective roofing materials to roofs and less energy use. comfort, longer-lasting which will result in greater decrease roofs' effect on considering ways to increase the use of light The Environmental Concerns Committee is



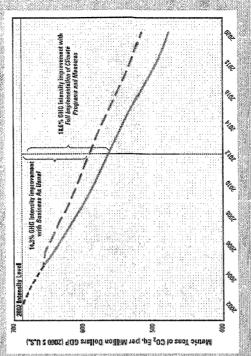
The Village is a recipient of the Growth Award from Tree City USA with nearly 18,000 parkway trees worth \$40M. A challenge facing the Village is the Emerald Ash Borer. The Village developed a no-fee permit program that the State of Illinois forestry office has promoted as a model ordinance to monitor for this pest in private trees and to manage the proper removal and disposal of infested trees.

The Village created a Green Building Handbook in 2010 to explain the 2009 International Energy Conservation Code and the economic benefits of sustainable building materials, technologies and practices.

The Village Code allows native landscaping, which reduces stormwater, emissions, and pesticide/fertilizer runoff.



Actions to Pursue: The Environmental Concerns Committee will oversee the creation of a climate action plan that will include annual reports to track progress on meeting the goals of that plan.



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health and economic vitality of our community. Issue: Clean and abundant water preserves the

stormwater runoff, groundwater and rivers. volume wisely and to prevent pollution in our Goal: To use our available Lake Michigan water

Actions Accomplished and Continuing

reimbursement program in 2008 for over 200 water conservation and residential education. brochures to high-use customers to promote DuPage Water Commission's pledge and mailed homes to date. The Village has also signed the Village started a first-of-its-kind rain barrel Regarding water conservation measures, the

Land Use



even enhancing the environment. facilitates society's needs while preserving and Issue: Wise and intentional land use planning

building, planning and zoning codes. through the Village's Comprehensive Plan and **Goal:** Facilitate good environmental stewardship

Actions Accomplished and Continuing: The

are periodically reviewed and updated to account and Code Book of Ordinances. These documents policies that are encapsulated in the zoning map of Appeals work to achieve the Board of Trustees for new technologies and policies. Village staff, Plan Commission and Zoning Board

The Village Board has approved the creation of a bicycle route that will connect schools, parks and



commercial areas. The signs for the route will be placed after certain improvements for bicycles have been completed. Additional bicycle parking at the train station was installed in 2009.

New sidewalks were installed in 2010 on the 1300 S. Block of Finley Road and the 1100 S. Block of Westmore-Meyers Road. In addition, the Village partners with School Districts 44 and 45 for the annual Walk to School Day. The

Village is also part of a new coalition known as Healthy Lombard, which aims to increase physical activities.



Regarding stormwater runoff, the Village administers the stringent requirements of the DuPage Countywide Stormwater and Floodplain Ordinance and Incorporates Best Management Practices in its operations and the permitting of private projects. Two stormwater filters were installed in 2010 to remove suspended particles, oils & grease from the municipal yard.

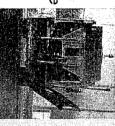
The Village supports the DuPage River Salt Creek Workgroup to achieve Total Maximum Daily Loads goals set by the IEPA. Low oxygen levels, suspended solids and chlorides are targeted. The Workgroup successfully

facilitated the removal of the Churchill Woods dam in 2011 to eliminate the single worst water quality impairment on the river.



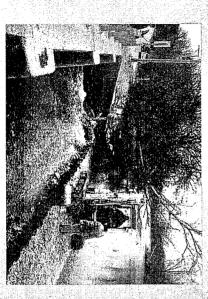
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Also, a river sweep each Spring removes debris from the East Branch of the DuPage River. The Village has "pre-wet" streets since 2009 as a preventative



measure against icing and to reduce salt use and runoff into waterways.

Actions to Pursue: The Village will continue the existing activities and will incorporate BMP's in future private development and capital projects.



Tansportation

Issue: Transportation options are essential to get students



to school, workers to Jobs, shoppers to stores, and disabled citizens to services. Transportation is a major influence on our land use, air quality, energy consumption and time management.

Goal: To provide a variety of transportation options for the people and businesses to balance needs and costs in an effective and efficient manner while limiting environmental impacts.

Actions Accomplished and Continuing: The Village maintains an aggressive Capital Improvement Plan for safe roadways, sidewalks and bike paths.