

Memorandum



To: Public Works & Environmental Concerns Committee
Through: Carl S. Goldsmith, Director of Public Works *CS*
From: David P. Gorman, P.E., Assistant Director of Public Works *DPG*
Date: May 2, 2017
Subject: Greenest Region Compact 2 – Framework Review

As recommended by the Committee, the Village Board has endorsed the Greenest Region Compact 2 (GRC2). The GRC2 provides a framework of actions for consideration by communities. This framework will supplement the Village's own Sustainability Framework. Staff intends to incorporate additional actions deemed appropriate for Lombard, and some of these may warrant the Committee's involvement.

For the next meeting, Staff would like to introduce the framework, and briefly discuss one or two of the programs in each category, as well as any additional suggestions raised by the Committee. Reviewing this framework occasionally (e.g. annually) will allow the Committee to be involved in establishing and supporting policies for sustainable operations, programs and projects.

Category	Goal	Objective	Actions Completed/Ongoing
Climate	Resiliency (C15)	Develop a resiliency plan	Generators for lift stations, Battery backups for traffic signals
Economic Development	Green Economy (ED7)	Recognize businesses practicing sustainability	The Village has a Sustainability Award program
Energy	Energy Efficiency (E5/E6)	Implement energy measures for short/long payback	Use LED streetlights, variable speed drives for pumps, occupancy sensors, newer HVAC units
Energy	Engage the Community (E30)	Promote gas/electric efficiency programs.	Have promoted Impact Illinois and Energy Saver programs but had disappointing low response.
Land	Land Preservation (L14)	Monitor/control invasive species	Annual buckthorn removal on IPP and GWT
Land	Landscapes (L30)	Increase sustainable landscaping	Naturalizing Village's storm water basins and other properties, annual lilac bush giveaway
Mobility	Policy (M23/M24)	Anti-idling	Signs placed at school pick-up areas, at-grade RR crossings, sign in municipal yard, monthly vehicle fuel use reports.

Category	Goal	Objective	Actions Completed/Ongoing
Municipal Operations	Sustainable Operations (MO12)	Integrate sustainability into capital planning	Using permeable pavement, natural landscaping as appropriate
Sustainable Communities	Community Values for Sustainability (SC45)	Encourage participation in sustainability initiatives	Recycling Extravaganza, Annual Lombard Pride Cleanup/Buckthorn Removal
Waste & Recycling	Waste Reduction (WR6)	Adopt a Pay-As-You-Throw Program	The Contract has been revised to eliminate the prior senior age requirement to have a 35-gal toter.
Water Quality	Protect Water Quality (W9a)	Avoid use of coal tar sealant on Village property	Have signed a pledge with the DuPage River Salt Creek Workgroup.

Committee members are welcome to attend the monthly meetings of the Metropolitan Mayors Caucus's Environmental Committee. Various elected, appointed, and employed municipal officials throughout the region discuss a different topic at each meeting, often followed by a facility tour. I can forward meeting announcements to any interested Committee members.

As you think of a question or suggestion at any time regarding sustainability in our operations, programs and projects, please contact me at 620-5765 or gormand@villageoflombard.org.

CG/DG:dg

attachment: GRC2 Framework booklet dated March 2017



The Framework



March 2017

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The Framework

The details of the Framework are organized around the 10 categories and 49 consensus goals of the Compact.

The 10 categories are:



Climate



Economic Development



Energy



Land Use



Leadership



Mobility



Municipal Operations



Sustainable Communities



Water



Waste & Recycling

The Greenest Region Compact 2 presents consensus goals for environmental sustainability to be addressed by local municipalities, yet will have coordinated, positive impacts on a much larger scale.

Municipalities throughout the region are invited to formally endorse the Greenest Region Compact 2 and work in concert to achieve its goals. *(See the complete Greenest Region Compact 2 and sample municipal resolution in the Appendix.)*

The Greenest Region Compact 2 (GRC2) Framework is the companion document that provides suggested objectives, strategies and tools to help communities achieve consensus goals of the Greenest Region Compact 2.

Introduction

The Framework is built on 30 sustainability plans and guiding documents already in use by Illinois municipalities. It also incorporates more than 10 documents from regional, national or global organizations that are widely used to guide sustainable municipal actions *(See Appendix)*. More than 1150 actual sustainability goals and objectives are synthesized into this Framework resulting in a broad and comprehensive guidance for municipal sustainability. Fundamentally, the Framework is built from goals and actions that are broadly applicable and suited to municipal action.

Dozens of partners, advisors and stakeholder groups contributed additional objectives, strategies and tools supportive of the consensus GRC2 goals, and for this we are grateful. *(See Appendix)* These contributions help connect the consensus goals to achieve greater positive impacts at the regional, state, national and global levels. Many of the partner programs cited in the Framework offer assistance and guidance to help municipalities achieve GRC2 objectives, thus creating a synergy between local efforts and existing resources.

For more information on the GRC2 methodology, see the full report: [Greenest Region Compact, Opportunities + Impact, Metropolitan Mayors Caucus, 2014.](#)

How to Use the GRC2 Framework

The Framework can guide municipalities of all sizes and strengths towards sustainability actions. For communities with no formal sustainability plan, the extensive Framework offers a menu of options that could be used to construct a local, tailored sustainability plan. Communities can begin by assessing actions already accomplished and underway. Then they may choose priority objectives and strategies on which they will begin work. The Framework is broadly applicable to most communities so users will need to refine and tailor objectives and strategies to suit. Municipalities may choose as many of the goals and objectives as they wish and address them on their own timeline.

Communities currently guided by their own sustainability plans will likely recognize specific goals and elements of their own plans in the Framework. The Framework may offer additional options for achieving their established goals, or suggestions for updating an existing plan.

Framework Structure

The following pages are formatted to prompt self-assessment and guide preliminary selection of priority objectives and strategies.

The Framework is structured to expand on the GRC2 Compact goals in each category (column C). **Objectives** are adjacent (column E) to each GRC2 goal and are labeled for reference, i.e., E10 is the tenth objective in the Energy (E) category.

Strategies are preceded with the symbol ">" and labeled with an additional letter, i.e. E10b as they relate to the numbered objective. Not every objective is paired with specific strategies.

Advanced strategies are preceded with the symbol "+". These are extra, progressive steps, usually suggested by stakeholders, that communities may wish to take to advance certain GRC2 goals.

Links to resources, such as certification programs or model ordinances, which may be considered tactics, are offered for some objectives and strategies. These are indicated by the hyperlink, "Y" in column M-O.

Assessment of the relevance and priority of each objective and strategy may be guided by prompts in columns F-L.

Because the nature of sustainability is its inter-relationship of social, economic and environment elements, objectives and strategies are also interrelated. Actions to improve land stewardship will improve water resources; improved active transportation choices will enhance healthy lifestyles and more. Therefore, actions with complementary outcomes may be found in different sections of the Framework. Policy, Stewardship and Outreach and Education are common elements in nearly every category.

Acknowledgements

The Greenest Region Compact 2 and companion Framework have been made possible due to the generous support of the Searle Funds at The Chicago Community Trust. The Environment Committee of the Metropolitan Mayors Caucus, under the leadership of John Osteburg, Mayor, Village of Park Forest and Barrett Pedersen, Mayor, Franklin Park, has guided this work. The Executive Board is gratefully acknowledged for leading the Caucus staff and committees.

Greenest Region Compact 2 and the Future Sustainability Network

The Metropolitan Mayors Caucus plans future supportive programs and resources to accelerate community actions in pursuit of the GRC2 consensus goals. A future Sustainability Network will develop pathways and leveraging strategies to develop capital sustainability projects. Future metrics, a reporting mechanism, and recognition for participating communities, is also planned.

Appendix

Contributors to the Greenest Region Compact 2 and GRC2 Framework

360 Energy Group	Illinois Recycling Association
Active Transportation Alliance	Illinois Section American Water Works Association
AECOM	Illinois Sustainable Technology Center
Alliance for the Great Lakes	Illinois Wood Utilization Team
America in Bloom	Illinois-Indiana Sea Grant
American Planning Association - Illinois	Local Government Education and Information Network
Argonne National Laboratory	Meadows Center for Water and the Environment
CB&I	Metropolitan Planning Council
Center for Neighborhood Technology	Metropolitan Water Reclamation District
Chaddick Institute for Metropolitan Development	Midwest Ecological Landscape Alliance
Chicago Area Clean Cities Coalition	Midwest Pesticide Action Center
Chicago Metropolitan Agency for Planning	Morraine Valley Community College
Chicago Wilderness	National League of Cities
Citizens Utility Board	Nicor
ComEd	Northwest Water Planning Alliance
Cook County	Openlands
Deerpath Garden Club	Prairie State Network
Delta Institute	Seven Generations Ahead
DuPage County	Sierra Club
Elevate Energy	Solid Waste Agency of Northern Cook County
Energy Resources Center	South Metropolitan Higher Education Consortium
Engineering Enterprises, Inc.	South Shore Clean Cities Coalition
Environmental Law and Policy Center	South Suburban Mayors and Managers Association
Federal Emergency Management Agency	STAR Technical Advisory Group
Great Lakes Clean Communities Network	The Chicago Community Trust
Grand Victoria Foundation	The Morton Arboretum
Green Ways 2Go	The Power Bureau
Huff and Huff	University of Illinois, Environmental Law Department
Illinois Association of Wastewater Agencies	US Conference of Mayors
Illinois Clean Energy Community Foundation	US Environmental Protection Agency
Illinois Climate Action Table	US Green Building Council
Illinois Department of Commerce and Economic Opportunity	Will County
Illinois Department of Natural Resources	Woodlands Garden Club
Illinois Emergency Management Agency	
Illinois Environmental Protection Agency	
Illinois Parks and Recreation Association	

Appendix

Municipal Sustainability Plans Analyzed and Integrated in the GRC2 Authoring Organization

Village of Algonquin	<i>Environmental Action Plan</i>	2010
City of Aurora	<i>Sustainability Plan</i>	2008
City of Batavia	<i>Environmental Identity</i>	2013
Village of Buffalo Grove	<i>Environmental Plan</i>	2014
City of Chicago	<i>Sustainable Chicago</i>	2012
City of Des Plaines	<i>Sustain Des Plaines</i>	2011
Village of Elburn	<i>Comprehensive Plan, Sustainability Chapter</i>	2013
City of Elgin	<i>Sustainability Action Plan</i>	2013
City of Elmhurst	<i>Comprehensive Plan, Sustainability Chapter Climate Action Plan</i>	2009
City of Evanston	<i>Action Plan</i>	2008
City of Highland Park	<i>Sustainability Strategic Plan</i>	2010
Village of Hoffman Estates	<i>Sustainability Plan</i>	2013
Village of Homer Glen	<i>Green Vision</i>	2004
Village of La Grange Park	<i>Sustainability Plan</i>	2012
Lake County	<i>Strategy for Sustainable Lake County</i>	2009
Village of Lombard	<i>Local Climate Action Plan</i>	2012
Village of Millbrook	<i>Comprehensive Plan</i>	2009
Village of Monee, Peotone, University Park	<i>Green Communities Vision</i>	2009
City of Naperville	<i>Environmental Sustainability Plan</i>	2010
Village of Niles	<i>Environmental Action Plan</i>	2013
City of Normal	<i>Community-Wide Sustainability Plan</i>	2010
Village of Northbrook	<i>Strategic Sustainability Plan</i>	2013
Village of Oak Park/ River Forest	<i>Sustainability Plan</i>	2011
Village of Orland Park	<i>Comprehensive Plan, Sustainability Chapter</i>	2013
Village of Park Forest	<i>Sustainability Plan</i>	2012
Village of Robbins	<i>Green Communities Vision</i>	2004
Village of Schaumburg	<i>Comprehensive Green Action Plan</i>	2008
Village of Sleepy Hollow	<i>Green Communities Vision</i>	2004
Village of Winnetka	<i>Environmental & Forestry Commission, Strategic Plan</i>	2010
City of Woodstock	<i>Environmental Plan</i>	2010

Regional, National, Global Sustainability Guiding Documents Analyzed and Integrated into the GRC2

CMAP	<i>Green Practices Survey</i>	2008
CMAP	<i>Go To 2040</i>	2010
CMAP	<i>Sustainability White Paper</i>	2015
CMAP	<i>Water 2050</i>	2010
Institute for Sustainable Infrastructure	<i>Envision</i>	2014
STAR Communities, ICLEI, National League of Cities	<i>STAR Community Rating System</i>	2012
US Conference of Mayors	<i>Mayors Climate Protection Agreement</i>	2005
Metropolitan Mayors Caucus	<i>Greenest Region Compact</i>	2007
Illinois Parks and Recreation Association	<i>Model Environmental Policy & Toolkit</i>	2008
Smart Cities Council	<i>Smart Cities Index</i>	2014

Municipal Sustainability Guiding Documents Also Referenced

Village of Arlington Heights	<i>Green Initiatives</i>	2008
DuPage County	<i>Environmental Policy & Cool DuPage</i>	2010
Village of Glencoe	<i>Sustainability Study</i>	2015
Village of Glenview	<i>A Plan for Nature</i>	2010
Village of Hainesville	<i>Comprehensive Plan, Sustainability Chapter</i>	2014
Village of Chicago Heights, South Chicago Heights	<i>Green Community Vision Plan</i>	2012
Village of Mettawa, Lincolnshire & Bannockburn	<i>Green Infrastructure Plan</i>	2005
Village of Montgomery & Oswego	<i>Green Community Vision Plan</i>	2007
Village of Round Lake	<i>Comprehensive Plan, Sustainability Chapter</i>	2008
Village of Wheeling	<i>Sustainability Report</i>	2014

Appendix

Metropolitan Mayors Caucus Environment Committee Member Communities and Councils of Governments

City of Aurora	Village of Lincolnwood
City of Blue Island	Village of Lombard
City of Chicago	Village of Niles
City of Des Plaines	Village of North Aurora
City of Evanston	Village of Northlake
City of Highland Park	Village of Orland Park
City of Rockford	Village of Park Forest*
Sauk Village	Village of Richton Park
Village of Alsip	Village of Schaumburg
Village of Arlington Heights	Village of Streamwood
Village of Blue Island	Village of Villa Park
Village of Cary	Village of Westchester
Village of Deerfield	Village of Woodridge
Village of Fox River Grove	Barrington Area Council of Governments
Village of Frankfort	DuPage Mayors & Managers Conference
Village of Franklin Park*	Lake County Council of Governments
Village of Grayslake	Mc Henry County Council of Governments
Village of Hainesville	Metro West Council of Governments
Village of Hanover Park	Northwest Municipal Conference
Village of Hazel Crest	South Suburban Mayors & Mgrs Conference
Village of Hoffman Estates	Southwest Conference of Mayors
Village of Lakewood	West Central Municipal Conference
Village of Lemont	Will County Government League

**Co-Chair's Community*



Greenest Region Compact 2

The member municipalities of the Metropolitan Mayors Caucus seek a vibrant, sustainable future for their communities and the greater Chicago region. The consensus goals of the Greenest Region Compact 2 aim for enhanced quality of life for residents; protection and stewardship of the environment and sustainable economic vitality.

To become the most sustainable and successful region in the United States, they, therefore, support the following consensus goals of the Greenest Region Compact 2 and agree to work to achieve them, both in their own communities and in collaboration throughout the region:



Climate

- Reduce greenhouse gas emissions
- Maintain clean and healthful air
- Develop resiliency to climate change impacts
- Engage the community in climate change mitigation and adaptation



Economic Development

- Promote innovation and a competitive workforce
- Cultivate local and sustainable development, jobs, and businesses



Energy

- Use energy for buildings and facilities efficiently
- Advance renewable energy
- Reduce energy consumption
- Enact policies that support clean energy
- Engage the community in clean energy practices



Land

- Encourage strategic development that upholds sustainability principles
- Conserve, restore and enhance natural features and ecosystems
- Support networks of accessible well-used and enjoyable parks
- Sustain a robust urban forest canopy
- Sustain beautiful landscapes that provide ecosystem services
- Achieve greater livability through sustainable land use and housing policies
- Cultivate a conservation ethic in the community



Leadership

- Enlist support for GRC2 goals through regional, state and national leadership
- Advocate for policies that align with and advance the GRC2
- Work collaboratively towards a sustainable region



Mobility

- Support safe and effective active transportation
- Maintain a diverse, safe, and efficient transportation network
- Support efficient transportation that uses resources wisely
- Integrate sustainability into transportation policies, programs, and regulations
- Promote public and sustainable transportation choices



Municipal Operations

- Lead by demonstrating sustainable values and practices
- Integrate sustainability into all municipal operations
- Operate a safe, clean and efficient fleet
- Collect and manage data to advance sustainability



Sustainable Communities

- Promote cultural vibrancy in the community
- Foster a culture of health, safety, and wellness
- Increase access to sustainably grown local food
- Sustain community principles that are welcoming, inclusive and equitable
- Promote a sustainable identity for the community
- Ensure local policies and codes support sustainability
- Cultivate community values based on principles of sustainability



Waste & Recycling

- Support sustainable material management
- Recycle materials across all sectors
- Divert waste from landfills
- Enact policies that cause sustainable material management
- Engage the community in waste reduction and recycling



Water

- Use and distribute water efficiently
- Protect and improve and water quality
- Manage water system assets sustainably
- Optimize the use of natural and built systems to manage stormwater
- Practice stewardship of water resources
- Enact policies to protect water resources
- Engage the community in water stewardship



Sample Resolution
Endorsing the Metropolitan Mayors Caucus' Greenest Region Compact 2

WHEREAS, the Metropolitan Mayors Caucus provides a forum for the chief elected officials of the Chicago region to develop consensus and act on common public policy issues and multi-jurisdictional challenges; and

WHEREAS, the Metropolitan Mayors Caucus' participating Mayors and their communities have a history of environmental stewardship, from energy efficiency, water conservation, urban forestry, and participation in Clean Air Counts; and

WHEREAS, it is important for Mayors and local governments throughout the United States to take leadership roles to advance sustainability both in their own communities and in concert with regional, national and global initiatives; and

WHEREAS, the Metropolitan Mayors Caucus created the Greenest Region Compact 2 to address environmental sustainability issues of global importance at the local level; and

WHEREAS, the Greenest Region Compact 2, also called the GRC2, is built on important environmental initiatives already underway in communities, in partnership with many non-profit, state, regional and national organizations; and

WHEREAS, the GRC2 synthesizes sustainability goals already adopted by leading communities in the region; and these consensus goals align with common regional, state, national and global objectives; and

WHEREAS, the GRC2 offers a companion Framework to guide communities of all sizes and strengths to assess their current efforts; develop a sustainability plan suited to local priorities; and will offer resources to help them succeed; and

WHEREAS, the consensus goals of the Greenest Region Compact 2 will guide coordinated efforts toward enhanced quality of life for residents; protection and stewardship of the environment and sustainable economic vitality.

NOW, THEREFORE, BE IT RESOLVED that the City/Village of _____ endorses the Greenest Region Compact 2 proposed by the Metropolitan Mayors Caucus and agrees to work to achieve them, both in their own communities and in collaboration throughout the region.

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The Metropolitan Mayors Caucus is a membership organization of the Chicago region's 275 cities, towns, and villages. Founded in 1997 by then Chicago Mayor Richard M. Daley and leading mayors from nine suburban municipal groups, the Metropolitan Mayors Caucus pushes past geographical boundaries and local interests to work on public policy issues. The caucus provides a forum for metropolitan Chicago's chief elected officials to collaborate on common problems and work toward a common goal of improving the quality of life for the millions of people who call the region home.

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