

# VILLAGE OF SHOREWOOD HILLS



# SUSTAINABILITY PLAN 2020-2025

## INTRODUCTION

The sustainability movement strives to create better places for living. The Village of Shorewood Hills (the “Village”) is a community that welcomes and embraces sustainability. Over the years, the Village has gone to great lengths to be environmentally responsible, implementing programs for recycling, rain gardens, tree maintenance, leaf collection, storm water management and many more, as further described below. This Sustainability Plan (the “Plan”) takes these efforts one step farther to provide guidance for current and future decisions of Village employees, Board of Trustees (“the Board”), and committees. This Plan attempts to lay out a series of goals and strategies that will help improve the Village’s overall environmental, economic, and social health now and for future generations.

### ***What is sustainability?***

This Plan defines “sustainability” as the ability to meet our needs without compromising the needs of future generations. Sustainability is often considered multi-faceted and can broadly incorporate environmental, economic, and social sustainability:

- **Environmental Sustainability:** Energy, Transportation, Waste, Land Use, Water, and Public Outreach and Education,
- **Economic Sustainability:** Economic Development and Workforce Development, and
- **Social Sustainability:** Affordable Housing, Diversity, Wellbeing, Education, Health, Arts, and Culture.

### ***Doesn’t the Village already practice sustainability?***

Sustainability has long been a core value of the Village. We are very proud of the efforts that the Village has taken over the years. A summary of past sustainability initiatives taken by the Village is attached as Exhibit A. This Plan is meant to build upon and expand those efforts.

### ***What is the scope of the Plan?***

The Plan is a guidance document that focuses on certain overarching sustainability goals (e.g., Clean and Well-Managed Water) for the Village over the next five years and bridging into the next decade. It also identifies various strategies and actions that the Village *could* adopt over the next five years to create meaningful advances in sustainability in our community.

The Plan is not meant to be an all-inclusive plan. It does not address all possible sustainability actions that the Village could take into the future, nor does it preclude the Village from taking actions not described in the Plan. It is also important to note that this Plan *does not* obligate the Village to take any particular strategy or action identified.

Most of the goals identified in the Plan are related to environmental sustainability in order to align with resident interests that were reported as part of a Village Sustainability Survey (see below). Future versions of the Plan could incorporate sustainability initiatives that focus more on economic and social needs as well as environmental needs.

### ***How should the Plan be used?***

This Plan largely focuses on actions that the *municipality* (through the Village staff, Board, and Committees) could take to:

- Raise sustainability awareness of Village staff, Board, and committees;
- Raise sustainability awareness of Village residents and businesses, support private sustainability initiatives, and promote public-private sustainability partnerships;
- Ensure that sustainability is being integrated into Village decision-making, including the budgetary process; and
- Expand the sustainability practices and policies implemented by the Village.

In order to track the Village's progress in achieving its sustainability goals, a "Sustainability Scorecard" is attached as Exhibit B. This scorecard should be filled out by Village staff and presented annually to the Board to help track the municipality's sustainability efforts.

While this Plan does not focus on sustainability actions that *individual residents* could take, sustainability initiatives adopted by individual residents are a critical piece of Village sustainability. Thus, a resident group, the "Shorewood Hills Green Team", will be formed to help address this critical area. The Shorewood Hills Green Team's role will be to (1) educate residents and businesses on actions they can take to increase sustainability in the Village, and (2) act as a bridge between the municipality and residents to help the municipality identify and implement sustainability actions and strategies of interest to residents. The Shorewood Hills Green Team will develop its own sustainability scorecard to help track resident sustainability efforts. More information about the Shorewood Hills Green Team can be found on its Facebook page: <https://www.facebook.com/groups/678371292584970/>.

#### ***How was the Plan created?***

In 2017, the Village convened an Ad Hoc Sustainability Committee (the "Committee") to better understand residents' expectations for sustainability in the Village and to learn where to focus future sustainability efforts.

In 2018, the Committee sent an electronic Sustainability Survey to all residents and 188 responded with their views. Some of the highlights from the survey are as follows:

- Residents wanted the Village to practice more sustainability (94% of respondents)
- Residents wanted the Village to be a leader in sustainability
  - 42% of respondents would like the Village to be a regional model for sustainability; and
  - 39% would like to see the Village be a national model for sustainability
- Residents most commonly associated the term "sustainability" with the environmental sustainability (and not social or economic sustainability)
- Residents identified the following key areas for Village sustainability efforts:
  - Reducing use of phosphorus
  - Maintaining a healthy & diverse tree canopy
  - Increased access to renewable energy sources
  - Promoting increased recycling, and
  - Diverting organic waste from landfills through increased composting

In 2019, based on the results of the survey, the Committee created a draft of the Plan and a sustainability resolution ("Sustainability Resolution"). Input was then obtained from various Village committees, groups, and residents. The draft Plan and Sustainability Resolution were shared with the following committees and groups for feedback: \_\_\_\_\_. Residents were invited to \_\_\_\_\_ public meetings to learn about the Plan and Sustainability Resolution and give their feedback. Feedback from the committees, groups and residents was discussed by the Committee and incorporated in the Plan.

On \_\_\_\_\_, the Board approved the Plan and Sustainability Resolution. A copy of the Sustainability Resolution is attached as Exhibit C.

## THE PLAN

The Plan contains five sustainability goals for the next five years. These five goals generally correspond to the top key areas identified by residents in the survey. Each goal contains a brief description of the goal and identifies numerous strategies to help achieve that goal. The five sustainability goals for the Village are:

- ❖ CLEAN AND WELL-MANAGED WATER
- ❖ THRIVING GREEN SPACES
- ❖ LESS WASTE
- ❖ CARBON NEUTRAL ENERGY USE
- ❖ HEALTHY PEOPLE

While many of the sustainability goals build over the next five years, the Committee has identified five “priority” sustainability actions that should be implemented by the Village by 2025. The Committee has discussed these priority actions with other Village committees. The Village committees that have agreed to take primary responsibility for implementing these priority actions are also identified. The priority actions and responsible committees include:

*[Feedback from Village committees, groups, and residents should be used to identify priority areas for the Village]*

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At the end of the 5-year period, the Village should assess its progress in meeting the sustainability goals and draft a new sustainability plan to address sustainability efforts beyond 2025.

Finally, education and outreach will be important for successfully implementing these goals. While education is not expressly identified for all strategies and actions listed below, the degree of education needed for successful implementation of a particular strategy should be considered in all cases. Every sustainability action approved by Village committees and/or the Board should include an education and outreach plan.

### GOAL 1: CLEAN AND WELL-MANAGED WATER

Water is essential to human life and to ecosystems. It is also a powerful force that can wreak havoc on communities due to flooding associated with severe weather events, which are becoming the new norm in our changing climate. Clean, healthy, and well-managed water promotes safety and socio-economic development and is critical to the Village’s identity as a municipality on a lake. The Village aims to become a leader in safeguarding and managing our water now and for future generations.

- ❖ **Strategy: Reduce phosphorus and total suspended solids runoff.** High phosphorus levels contribute to high algal growth resulting in toxic plumes in Lake Mendota under certain weather conditions. Phosphorus attaches to suspended solids (small particles that

remain suspended in water) and flows directly into the lake with stormwater. Therefore, the Village must monitor phosphorus and manage stormwater in order to reduce toxic algae blooms in Lake Mendota.

This strategy could be accomplished by:

- Purchasing a vacuum street sweeper during the next sweeper replacement effort.
- Continuing to explore opportunities for retrofitting stormwater Best Management Practices (BMPs) into areas throughout the Village, particularly in conjunction with street reconstruction projects.
- Educating and encouraging residents and lawn service providers to keep yard waste off streets and implementing ticketing system for repeated non-compliance.
- Educating residents on leaf and green waste composting and providing incentives (such as vouchers for composting materials) for residents to compost leaf and green waste on their own property.

- ❖ **Strategy: Reduce the use of chemicals that pollute water.** Substances that we apply to our lawns, roadways, and other outdoor surfaces can eventually enter our water. The Village should make every effort to decrease the use of chemical pollutants in the Village for the short-term and long-term health of people and the environment.

This strategy could be accomplished by:

- Continuing to take a proactive and innovative approach to sodium chloride (road salt) reduction, such as instituting a total liquids application system.
- Reducing and/or banning in the Village the sale and use of certain pesticides and herbicides that are known to have harmful effects on humans, bees, and/or the environment. For example, banning the sale and use of lawn care products that contain glyphosate, a known carcinogen found in Roundup, except for limited applications, such as invasive species control.
- Controlling the use of commercial fertilizers by requiring a permit for their application, banning the use of commercial fertilizers in certain instances, or otherwise partnering with lawn care companies in a way to better manage chemical application in the Village.
- Minimizing the use of outdoor chemical cleaners.

- ❖ **Strategy: Decrease quantity of stormwater runoff.** Climate change will continue to have drastic effects on temperature, rain, and snowfall patterns. Extreme rainfall will continue to increase, resulting in an increased likelihood of catastrophic flooding. It is essential to decrease the quantity of stormwater runoff to protect our lakes, homes, and businesses.

This strategy could be accomplished by:

- Decreasing impermeable surfaces and increasing permeable (e.g. decrease exterior surface parking, increase parking structure density).
- Creating private-public partnerships for stormwater reduction initiatives.
- Providing incentives to businesses for implementing Best Management Practices that exceed regulations in reducing impervious surfaces and increasing infiltration.

- ❖ **Strategy: Build and promote green infrastructure projects.** Green infrastructure captures, absorbs, and/or stores rain and melting snow. It minimizes flooding and protects water quality by keeping nutrients and suspended solids on land and out of our waters. Green infrastructure includes rain barrels, rain gardens, permeable/porous pavement, green roofs, bioswales, stormwater trees, native landscaping, and soil amendments to build stronger plant root systems that resist erosion. The Village should continue to seek ways to restore and maintain natural landscapes and implement green infrastructure projects.

This strategy could be accomplished by:

- Providing residents with landscaping (green and hardscape) advice in concert with green infrastructure best practices.
- Offering stormwater utility fee credits to property owners for Best Management Practices such as rain barrels, rain gardens, and pervious paving that keeps runoff onsite.
- Creating private-public partnerships for green infrastructure installation and providing incentives to businesses for installing green infrastructure.
- Incorporating green infrastructure principles into all municipal planning, renovating, and building projects. For example, installing permeable pavement when pavement replacement is necessary, increasing parking structure density to decrease impermeable surface area on Village property, and improving pedestrian and bike routes and connections to public transportation to reduce the need for personal vehicle parking space.

- ❖ **Strategy: Reduce water use at Village facilities and encourage residents and businesses to conserve water.** Finding ways to conserve water is an important part of sustainable living. Saving water can also save money in energy and utility bills. The Village should continue to find ways to reduce water usage in the Village.

This strategy could be accomplished by:

- Replacing old fixtures with water-efficient fixtures.
- Planting native and drought-tolerant plant species to minimize the need for supplemental irrigation.

## GOAL 2: THRIVING GREEN SPACES

The Village has long recognized the value of green space and its significance as an environmental, economic, and community asset. Green spaces in urban environments provide many advantages: sport and recreation, preservation of natural environments, increased property values, and storm water management (among many others). Additionally, studies have shown that people who moved to areas with more green space improved their overall well-being, health, and happiness. The Village endeavors to become a leader in ensuring thriving green spaces now and for future generations.

- ❖ **Strategy: Maintain a healthy and diverse urban tree canopy.** The Village maintains over 6,000 trees on public property with an estimated value of over \$6 million. The economic, environmental, and social value of urban trees are well-documented. Indeed, the Village

receives over \$0.9 million in annual benefits from its public trees. Comparing this to annual tree maintenance costs, for each \$1 the Village invests in its forestry operations, it receives over \$7 in return. The Village endeavors to continue to maintain a robust and resilient urban tree canopy now and for future generations.

This strategy could be accomplished by:

- Establishing an Urban Forestry utility (e.g., a special charge collected by the Village to support its urban forestry program) to ensure adequate funding for tree maintenance into the future.
- Adopting a tree protection ordinance that applies to all developers and/or property owners that protects and conserves desirable trees and the tree canopy.

❖ **Strategy: *Protect the integrity of shoreline while enhancing recreational value.*** The Village is bordered by approximately \_\_\_\_\_ miles of Lake Mendota shoreline. The Village also maintains two lake access points (McKenna Park and the Marina) and one water outflow (Bigfoot Park). The Village should continue to manage its shoreline to protect lake waters and shoreline from activities that would increase lake pollution or adversely affect the lakes' ecology or use by swimmers, anglers, boaters or other recreational users. The Village should also continue to explore ways to increase recreational use and enjoyment of the lake.

This strategy could be accomplished by:

- Renovating McKenna boathouse and swimming platforms to encourage greater use of the area.
- Expanding the kayak/canoe share program to include additional recreational opportunities and options, such as stand up paddleboards.
- Adding benches at all public shoreline areas to increase public enjoyment.
- Improving access and accessibility to Lake Mendota.
- Improving the McKenna boathouse path to enhance walkability and accessibility for people with mobility challenges.

❖ **Strategy: *Protect existing green space while enhancing recreational value.*** There are numerous environmental and health benefits associated with access to public open space and parks. For example, access to vegetated areas such as parks, open spaces, and playgrounds has been associated with better perceived general health, reduced stress levels, and reduced depression. Thus, green space must be a key consideration in urban planning for the health of the Village and its residents. The Village maintains or owns numerous green spaces including its parks, the Shorewood Hills Elementary School playground and Heiden Haus area, numerous playground structures, and the land used by Blackhawk Country Club (under a lease to the Club). The Village is also bordered by important green spaces managed by other municipalities or entities, such as Eagle Heights woods and the University playing fields.

This strategy could be accomplished by:

- Placing existing green spaces into conservation easements that limit future development.
- Addressing resident encroachment into Village parks.
- Purchasing private land adjacent to Village parks to expand Village green spaces.
- Adding more walking paths throughout the Village and in Village parks that connect Village green spaces.
- Encouraging green spaces in future developments.

### GOAL 3: LESS WASTE

The Village has already taken many steps towards reducing, reusing, and recycling waste. However, more actions could be taken. In particular, the Village will strive to become a “zero waste” community – one that diverts at least 90% of waste from the landfill (by recycling, composting, and/or reusing) -- with the ultimate goal of 100% diversion. The Village strives to become a leader in sustainable waste management.

- ❖ **Strategy: Increase proportion of materials that are recycled and diverted from landfills.** Recycling is an important part of preserving resources and leading more meaningful and responsible lives. Recycling can save landfill space, reduce pollution, and save energy and water resources. The Village should continue to expand its recycling efforts.

This strategy could be accomplished by:

- Performing a waste audit of the Village waste stream to identify waste material types.
- Instituting a Zero Waste Program at all Village events.
- Assessing whether disposed materials from building renovations or construction can be recycled and require that all bid documents and/or quotes address the recycling of waste materials.
- Banning single use plastic straws and bags at retail stores and restaurants in the Village.
- Banning single use (non-compostable) plastic cups, plates, and utensils at all Village events.
- Implementing a pay-as-you-throw garbage program.

- ❖ **Strategy: Increase proportion of food waste that is composted and diverted from landfills.** Food waste is a growing problem in modern society. According to the EPA, in 2015, more than 39 million tons of food waste was generated with only 5.3 percent diverted from landfills for composting. EPA estimates that more food reaches landfills and incinerators than any other single material in our everyday trash, constituting 22% of discarded municipal solid waste. Wasted food also decomposes and produces methane gas, a greenhouse gas associated with climate change. The Village should aim to reduce the amount of food waste that goes to landfills.

This strategy could be accomplished by:

- Instituting a Village compost program for food waste.

- Collaborating with other communities in Dane County to develop a regional composting program.
- The Village negotiating a discount rate with one or more private companies offering composting services to encourage resident participation.
- Educating residents on composting and providing incentives (such as vouchers for composting materials) for residents to compost food waste on their own property.

#### GOAL 4: CARBON NEUTRAL ENERGY USE

The Village endeavors to become a leader in energy efficiency and renewable energy use and generation. Carbon dioxide and other greenhouse gases are increasing in the Earth's atmosphere beyond normal levels due, in part, to the burning of fossil fuels. Given the accelerating rate of climate change, the Village must take strong and immediate action to lessen the Village's dependence on fossil fuels, reduce carbon emissions, and move towards alternative, renewable, and local sources of energy. The Village therefore commits to becoming a "net zero" community that purchases or produces all of its energy needs from renewable sources.

- ❖ **Strategy: Obtain 100% of all Village energy from renewable sources.** Madison Gas and Electric offers a program called Green Power Tomorrow that allows customers to purchase energy from renewable sources. The Village currently purchases energy under this program. Furthermore, the Village should explore the installation of renewable energy systems, such as solar panels or geothermal heat pumps, in the Village. This will allow the Village to generate at least some of its own energy from renewable sources. Overall, the Village should seek to obtain all energy from renewable sources.

This strategy could be accomplished by:

- Purchasing 100% of municipal energy from renewable energy sources through MG&E's Green Power Tomorrow program.
- Installing solar panels on or geothermal heat pumps in all suitable municipal buildings.
- Participating in or initiating a community solar program.
- Requiring that all major commercial developments conduct an energy study to determine if renewable energy systems, such as solar panels, could be integrated into major construction projects.
- Establishing a clear process for Village residents and businesses to install solar panels on buildings.
- Replacing existing Village fleet vehicles with electric vehicles according to the established replacement schedule.

- ❖ **Strategy: Reduce municipal energy use by 20% through energy efficiency initiatives.** Reducing the amount of energy used saves money and protects the environment. The Village should continue to implement energy efficiency measures to reduce its energy consumption.

This strategy could be accomplished by:

- Utilizing green design and/or “Zero Net Energy” design into all new or major renovations of municipal buildings.
- Purchasing energy efficient or energy star equipment whenever feasible.
- Reviewing Village policies, procedures, and practices to identify ways to integrate additional energy efficiency measures.
- Participating in grant programs that offer funding for energy efficient projects.
- Promoting LED lighting, heating, and cooling efficiency for Village buildings.
- Providing residents with rebates for investing in renewable energy or energy efficiency initiatives, or vouchers for energy audits, and encouraging residents to use Focus on Energy and other local resources to improve energy efficiency in residential homes.
- Installing electric vehicle chargers.

## GOAL 5: HEALTHY PEOPLE

The Village is also committed to ensuring that public health needs are met through recreational and social opportunities, accessibility, safe streets that support people-powered and public transportation, government transparency and accountability, and a welcoming and inclusive community.

❖ ***Strategy: Increase the availability, accessibility, and safety of alternative transportation (walking and biking) and public transportation to and from the Village.***

Alternative and sustainable transportation options such as walking, biking, and public transportation can enable residents to adopt healthier lifestyles and strengthen community bonds while improving air quality.

This strategy could be accomplished by:

- Installing sidewalks and crosswalks where appropriate.
- Installing commuter bike lanes where appropriate.
- Working with the City of Madison to extend or reroute bus lines to make more parts of the Village accessible via bus and/or enable rapid transit bus and/or light rail initiatives.
- Providing bike racks at all municipal buildings and other Village destinations (such as parks and businesses).
- Considering walking and/or biking easements at all commercial redevelopments in the Village.
- Enforcing traffic laws including Village speed limits.
- Promoting annual Bike to School and Walk to School days and programming.

❖ ***Strategy: Greater access to affordable and varied housing that meets the needs of people who want to live in the Village.*** People desire safe, secure, and quality housing in great neighborhoods like the Village. Although the provision of housing is largely a function of the private sector, the Village plays a role in helping ensure that the housing needs of all residents are met. In particular, the Village should help ensure that housing opportunities in the Village meet the diverse needs of the community and help ensure an array of housing

options are available. The Village should also encourage the preservation of historic homes and buildings.

This strategy could be accomplished by:

- Requiring the inclusion of affordable housing units in apartment buildings.
- Encouraging and/or supporting the construction of varied housing options for residents at different life stages, such as the construction of small/tiny homes, townhouses, condos, and/or retirement facilities in the Village.
- Supporting historic preservation efforts for existing housing.

❖ **Strategy: Provide greater access to community spaces for people with disabilities.**

The Village should ensure that older adults and people with disabilities have access to community-living opportunities.

This strategy could be accomplished by:

- Updating Village buildings (including all bathrooms) to comply with the ADA.
- Installing elevators on multi-story municipal buildings.
- Adding accessibility features to all construction or redevelopment of municipal buildings or community spaces.

❖ **Strategy: Support green purchasing.** Green purchasing is using purchasing power in the most cost-effective, fair, and environmentally benign way. Purchasing environmentally-friendly products can also help reduce long-term costs and create a healthier workplace.

This strategy could be accomplished by:

- Developing sustainability guidelines for Village purchasing including office supplies, building and remodeling supplies (paint, carpet), and services to encourage local, environmentally-friendly products and/or fair-trade purchases.
- Researching and instituting green cleaning practices in municipal buildings.

❖ **Strategy: Support local independent businesses.** Buying local generates more jobs and wealth in the local economy compared to spending at absentee-owned businesses, including corporate chains. It reduces unnecessary transport, supports entrepreneurship, and strengthens and diversifies our economy. Local businesses provide spaces for community members to interact and to know where their dollars are going, which supports well-being and strengthens the fabric of our community.

This strategy could be accomplished by:

- Planning that makes it economically feasible for local independent businesses to operate brick and mortar locations within the Village.
- Working to attract businesses that meet the needs of community members.
- Recognizing valuable local independent businesses with community awards that raise their profile and help keep them in business.

- ❖ **Strategy: Provide year-round meeting places.** Flexible spaces and creative programming foster community togetherness.

This strategy could be accomplished by:

- Making unused Village facilities available to residents. For example, a maker space could serve the dual purpose of a fun hangout for building and artmaking and also a place where residents can recycle household items.

- ❖ **Strategy: Foster broader participation in Village governance and more transparency and accountability.** When greater numbers of residents are involved in Village decision-making, and when staff is diverse, our policies and operations better reflect the diverse and changing needs of our community and better prepare us for the future.

This strategy could be accomplished by:

- Varying meeting times to be inclusive of not just those who are available at standard meeting times.
- Surveys to supplement the feedback received and collected at public meetings.
- Reaching out to apartment dwellers more frequently and effectively.
- Live streaming and videotaping meetings; making the videos available online.
- Improved website with complete and up-to-date information.
- Developing an inclusive hiring policy that specifies requirements for every Village job search.

## **ACKNOWLEDGEMENTS**

### **Board of Trustees**

David Benforado, President

Sean Cote, Treasurer

Cokie Albrecht

Tracy Bailey

Scott Friedman

John Imes

Mark Lederer

Shabnam Lotfi

### **Sustainability Committee**

Anne Readel, Chair

Eric Adelman

Nadeem Afghan

Ty Cashen

Cara Coburn Faris

Sarah Goldenberg

Fritz Grutzner

Anne Helsley-Marchbanks

Karen Knetter

Mark Redsten

Matthew Silverman

### **Staff**

Karl Frantz, Administrator

Corey George, Forester

John Mitmoen, Public Works Chief

Aaron Chapin, Police Chief

Brian Berquist, Village Engineer

David Sykes, Administrative Services Manager/Deputy Clerk, Administration

## **EXHIBIT A**

### **BRIEF OVERVIEW OF PAST OF SUSTAINABILITY EFFORTS IN THE VILLAGE**

The following represents a brief overview of the past sustainability efforts undertaken in the Village. These efforts are grouped by the five sustainability goals identified in the Sustainability Plan. Additional details on many of these efforts are available on the Village website.

#### **Goal 1: Clean and Well-Managed Water**

##### ***Stormwater Management Initiatives***

- Adopted a stormwater management ordinance
- Established a stormwater utility
- Formed an Ad Hoc Stormwater Committee
- Joined the Madison Area Municipal Storm Water Partnership
- Installed water conveyance facilities
- Maintains rain gardens for water infiltration
- Designs curbs to help manage rainwater
- Conducted a permeable pavement trial
- Considered green roofs for at least one prior development

##### ***Phosphorus Pollution Reduction***

- Joined the Yahara WINS program
- Maintains a robust street sweeping program
- Requests that residents do not deposit yard waste in streets

##### ***Salt Pollution Reduction***

- Maintains a salt use reduction policy
- Recognized for its salt reduction efforts

#### **Goal 2: Thriving Green Spaces**

##### ***Tree & Park Management***

- Manages 9 parks covering 21 acres
- Established a Parks Committee
- Maintains a tree inventory
- Maintains a tree ordinance
- Recognized as a Tree City
- Offers a native tree sale program to residents
- Maintains a robust invasive species removal program
- Adopted invasive species ordinance
- Adopted a tree disease management ordinance
- Installed a public fruit tree orchard

##### ***Lakefront Management***

- Regulates a lakefront setback

- Requires conditional use permits for all projects on Lake Mendota

### ***Recreation Programs***

- Established a Recreation Committee
- Offers a variety of recreation activities for residents of all ages
- Installed numerous playgrounds, including a nature-based playground

### ***Domestic Animal and Wildlife Management***

- Recognized as a Bird City
- Allows chicken and bee keeping
- Requires licenses and vaccinations for cats and dogs

### **Goal 3: Less Waste**

- Offers a refuse and recycling program
- Offers an annual electronics recycling event
- Offers an annual spring cleanup and metal recycling event
- Provides access to the Dane County “Clean Sweep” household hazardous waste program
- Installed MedDrop boxes
- Maintains a leaf and brush pickup program
- Maintains a water loss control plan
- Member of the Metropolitan Refuse District

### **Goal 4: Carbon Neutral Energy Use**

- Participates in MG&E’s Green Power Tomorrow program
- Endeavors to replace equipment with high efficiency units
- Replaced all gasoline powered equipment with diesel vehicles meeting new emission requirements.
- Passed a climate change resolution

### **Goal 5: Healthy People**

#### ***Traffic Management***

- Adopted a 20-mph speed limit ordinance
- Installed narrow street widths
- Installed a partial signal at Ridge Street and Hilldale Way
- Zoning code requires traffic management and traffic studies for redevelopment projects

#### ***Pedestrian and Bicycle Safety***

- Started a Safe Routes to School program
- Started a Walk and Bike to School program
- Installed sidewalks on the east side of Village
- Installed three Madison B Cycle stations
- Installed bike lane extensions and repair stations
- Planning a bike overpass along University Avenue

- Utilizes community service officer for bike patrols

#### ***Noise, Light, and Air Pollution Reduction***

- Adopted a noise ordinance
- Adopted a dark sky ordinance
- Adopted a smoke free facilities ordinance

#### ***Development Requirements***

- Adopted a floor area and building height limit ordinance
- Requires mixed-use developments
- Utilizes Planned Unit Development Zoning
- Requires that redevelopment projects include sustainable features
- Requires affordable housing in most redevelopments
- Requires structured parking

#### ***Other Actions***

- Provides living wages and benefits to employees
- Offers community gardens
- Educates with a monthly bulletin
- Supported a Dementia Friendly Community initiative

**EXHIBIT B**

**SUSTAINABILITY SCORECARD**

*This scorecard should be updated annually by Village staff and presented to the Board. The purpose of this Sustainability Scorecard is to track Village progress with its sustainability goals.*

**[INSERT ONCE DRAFT IS NEAR COMPLETE, EXAMPLE OF MATRICES BELOW]**

**Goal 4: Smarter Energy Use**

**Strategy:**

**1. Obtain 100% of municipal electricity from renewable energy sources.**

	2019 (baseline)	2020	2021	2022	2023	2024	2025
Percentage of municipal electricity from renewable sources							

**2. Increase the number of solar panels on suitable municipal buildings.**

	2019 (baseline)	2020	2021	2022	2023	2024	2025
Number of municipal buildings with solar panels							
Number of solar panels on municipal buildings							

**1. Reduce municipal electric energy consumption.**

	2019 (baseline)	2020	2021	2022	2023	2024	2025
Total annual municipal electricity use (kWh/year)							
Percent (%) reduction from baseline							

**EXHIBIT C**

**SUSTAINABILITY RESOLUTION**

**RESOLUTION NO. R-\_\_\_\_\_**  
**VILLAGE OF SHOREWOOD HILLS**  
**COMMITMENT TO SUSTAINABILITY**

WHEREAS, the environment, society, and economy must all be stable and healthy to support and sustain a community; and,

WHEREAS, a commitment to local and regional cooperation is essential for stewardship of the natural systems that sustain us; and,

WHEREAS, practicing sustainability means working to meet the needs of today's residents and visitors without compromising the needs of future residents and visitors; and,

WHEREAS, adopting principles of sustainability as a principle of decision-making will serve as both a framework for Village decision-making and a model for our citizens, encouraging a strong local economy while protecting the natural systems in which residents live, work, and play; and,

WHEREAS, moving toward a more sustainable future is critical for attracting new residents and businesses; and,

WHEREAS, the Village of Shorewood Hills adopts and endorses the following four sustainability guidelines (the "Sustainability Guidelines") as a basis for the development and implementation of the Village's plans, policies, and procedures:

1. Reduce and eventually eliminate the Village's fossil fuel dependence and wasteful use of natural resources;
2. Reduce and eventually eliminate the Village's dependence upon persistent chemicals and wasteful use of synthetic substances;
3. Reduce and eventually eliminate the Village's contribution to encroachment upon nature and harm to life-sustaining ecosystems (e.g., land, water, wildlife, forest, soil, ecosystems); and
4. Reduce and eventually eliminate the Village's contribution to conditions that undermine people's ability to meet their basic human needs.

WHEREAS, these guidelines are modeled based on guidelines that have been proven to be effective by the experience of many cities in Wisconsin and in the United states; and

WHEREAS, it has been demonstrated that the application of these principles can reduce expenses and save taxpayer dollars.

NOW, THEREFORE, BE IT RESOLVED that the Village of Shorewood Hills adopts the Sustainability Guidelines described herein and agrees to apply these principles in its planning, policy-making and procedures.

ADOPTED by the Village of Shorewood Hills Board at a duly scheduled meeting on

\_\_\_\_\_.

\_\_\_\_\_  
Dave Benforado, Village President

\_\_\_\_\_  
Karla Endres, Village Clerk