

VILLAGE OF LAKE BLUFF
SUSTAINABILITY AND COMMUNITY ENHANCEMENT AD HOC COMMITTEE

Wednesday, May 30, 2018
7:00 P.M.
Village Hall Board Room
40 East Center Avenue

MEETING NOTICE & AGENDA

1. Call To Order
2. Roll Call
3. Consideration of the April 25, 2018 Sustainability and Community Enhancement Committee (SEC) Meeting Minutes
4. Non-Agenda Items and Visitors (Public Comment)

The Co-Chairs will allocate fifteen (15) minutes during this item for those individuals who would like the opportunity to address the Sustainability and Community Enhancement Ad Hoc Committee on any matter not listed on the agenda. Each person addressing the Sustainability and Community Enhancement Ad Hoc Committee is asked to limit their comments to a maximum of five (5) minutes.

5. Order of the Meeting
The Co-Chairs will entertain requests from anyone present on the order of business to be conducted during the Meeting.
6. General Business
The Sustainability and Community Enhancement Ad Hoc Committee will entertain requests from anyone present to modify the order of business to be conducted.
 - a) Sustainability Plan
 - b) Other upcoming work
 - a. Village corridor / gateway beautification planning project.
 - b. "Dark sky" ordinances to control light pollution including glare, light trespass, and skyglow.
 - c. 2019 community gardening and community seed bank opportunities

7. Village Staff Report
8. Member's Report
9. Co-Chair's Report
10. Adjournment

The Village of Lake Bluff is subject to the requirements of the Americans with Disabilities Act of 1990. Individuals with disabilities who plan to attend this meeting and who require certain accommodations in order to allow them to observe and/or participate in this meeting, or who have questions regarding accessibility of the meeting or the facilities, are requested to contact Glen Cole at (847) 234-0774 or TDD number 234-2153 promptly to allow the Village of Lake Bluff to make reasonable accommodations.

**VILLAGE OF LAKE BLUFF
SUSTAINABILITY AND COMMUNITY ENHANCEMENT AD HOC COMMITTEE
MEETING**

**April 25, 2018
7:00 P.M.
Village Hall Board Room
40 East Center Avenue**

DRAFT MEETING MINUTES

1. Call to Order

The Village of Lake Bluff Sustainability and Community Enhancement Ad Hoc Committee (SEC) met on March 22, 2018 in the Village Hall Board Room (40 E. Center Avenue) at 7:01 p.m. and the following members were present:

2. Roll Call

Present: Brian Rener, Co-Chair
 Marina Carney Puryear, Co-Chair
 Emmet Brady
 Jill Danly
 Liz Leutwiler
 Nan Patterson
 Anne Sorensen

Also Present: John Scopelliti, Administrative Intern (AI)
 Jeff Hansen, Village Engineer (VE)

3. Consideration of the January 31, 2018 Sustainability and Community Enhancement Committee (SEC) Meeting Minutes

Member Patterson moved to approve the January 31, 2018 SEC Meeting Minutes. Member Leutwiler seconded the motion. The motion passed on a unanimous voice vote.

4. Consideration of the March 22, 2018 Sustainability and Community Enhancement Committee (SEC) Meeting Minutes

Member Sorensen moved to approve the March 22, 2018 SEC Meeting Minutes. Member Patterson seconded the motion. The motion passed on a unanimous voice vote.

5. Non-Agenda Items and Visitors (Public Comment)

Co-Chair Rener stated that the SEC allocates 15 minutes for those individuals who would like the opportunity to address the SEC on any matter not listed on the agenda.

There were no requests to address the SEC.

6. Order of the Meeting

Co-Chair Rener motioned to move the Backyard Chicken Pilot Program Application Review to

the beginning of the meeting. Co-Chair Puryear seconded the motion. The motion passed on a unanimous voice vote.

7. General Business

A. Backyard Chicken Pilot Program – Application and Process Review

a. Application review of Julia Magnus, 201 Moffett Road

AI Scopelliti introduced the first, of two, Backyard Chicken applications to the committee for review. AI Scopelliti explained the Application Review process to the committee along with who the applicant is.

Co-Chair Puryear motioned to open the application up for discussion. Member Sorensen seconded the motion. The motion passed on a unanimous voice vote.

Co-Chair Rener opened it up for discussion among the members of the committee and anyone in the audience. A brief discussion commenced.

The applicant, Julia Magnus, approached the podium to the address the committee.

Member Leutwiler asked the applicant a question in regards to the roof of the proposed chicken coop.

Julia Magnus explained to Member Leutwiler that the coop is designed to have many different options for entry/exit. Also, the applicant is planning to purchase the largest run extension for the coop, which is the walk-in. The applicant stated that there is a split door, which gives the owner access to the food trays.

Member Leutwiler asked the applicant if there is a way to collect the eggs through the back-end of the coop.

Julia Magnus explained that there are several different approaches. The main approach is opened a door in the back of the structure to access the eggs. Member Leutwiler asked if the applicant would have to walk into the structure to retrieve the eggs. The applicant, Julia Magnus, stated that she will not have to enter the structure to retrieve the eggs.

Co-Chair Puryear asked the applicant about her plans for the winter and how she intends to keep the chickens warm.

Julia Magnus stated that she is very anti-heating to chickens coops in general because she thinks it is a fire hazard and problematic. The applicant stated that if you pick your breeds properly then you don't have to deal with this issue. The applicant confirmed that the coop is double insulated and it also has a special ventilation system to stay cool in the summer.

Member Patterson asked the applicant how many chickens she intends to have.

Julia Magnus stated that she intends to purchase six chickens.

Member Sorensen asked the applicant about her past experience with raising chickens.

Julia Magnus stated that she originally grew up with parrots, but then when she went to college she worked in community gardens that happened to have chickens there. The applicant stated that she has is obsessed with birds. The applicant stated that she could not have parrots in college so she made the transition to chickens. Also, in law school she interacted with chickens often by participating in more community gardens. The applicant also stated that she has many friends in the city that have chickens along with an individual in Lake Villa that raises show chickens so she stated she has gained a lot of hands-on experience through these different connections/resources. The applicant expressed her thoughts that chickens are extremely under-rated as pets.

Member Leutwiler asked the applicant if she knew what type of breed she was intending to purchase.

Julia Magnus stated that she mentioned in her application that she was interested in birds that wouldn't normally be desired for other people because they don't lay eggs or may have inquires with other things or something like that. She stated that she is also an animal welfare nut as well so that is mainly her interest, not necessarily for eggs or need, it's merely to have them as pets. She stated that she has friends that have hens that are done laying eggs and in the city they cannot really hold onto them any longer so she would take them if she could. She would try to get a breed called Orpington, which is an English heritage breed, large-friendly, mellow, and laid back type of bird.

Co-Chair Rener stated that as a part of the pilot program, each application will receive a CDC safety flyer to explain the appropriate ways to keep both themselves and visitors clean when spectating the chickens.

Julia Magnus stated that she understands the process explained in the CDC safety flyer.

Member Danly emphasized to the applicant her appreciation for the rigor of her research and the thoughtfulness that she has in the approach to tending chickens and bringing them on board.

Julia Magnus stated that she is very happy that the Village is allowing residents to have these birds for not only self-sustaining purposed but also for pets.

Member Brady stated that this application is very detailed and any questions that he may have had were already answered through this discussion.

Co-Chair Puryear motioned to approve the Julia Magnus Backyard Chicken Application. Member Leutwiler seconded the motion. The motion passed on a unanimous roll call vote.

b. Application review of Colin Ley, 419 East Prospect Ave

AI Scopelliti introduced the second Backyard Chicken application to the committee for

review. AI Scopelliti explained the Application Review process to the committee along with who the applicant is.

Co-Chair Puryear motioned to open the application up for discussion. Member Sorensen seconded the motion. The motion passed on a unanimous voice vote.

The applicant, Colin Ley, approached the podium to address the committee.

Co-Chair Rener asked the applicant to explain the location of the property and fencing.

Colin Ley stated that he lives at the corner off Prospect Ave and Moffett Road and there is a 6 foot wooden fence on all sides of the backyard where the chickens will be kept. Co-Chair Rener asked if there were any openings between the pickets. Colin Ley explained that there are no openings and that it is a flush picket fence.

Member Sorensen asked out of curiosity for the adjoining neighbor, if the applicant had any pets.

Colin Ley explained that he does have two dogs. He stated that he has been emailing back and forth with the resident. Colin stated that he told the resident his plan to alleviate any issues would be to let the chickens out to roam the backyard only when he is home so that if he hears the dog barking, he will bring the chickens back into the coop. Colin stated that if that does not alleviate the problem that he would consider moving the chickens to another location within the backyard. Colin expressed that he has dogs too so he'll be able to see firsthand if the chickens and his dogs can exist with one another without any issues.

Member Leutwiler asked the applicant if there are any issues with his dog and his neighbor's dog.

Colin Ley stated that all his neighbors have dogs and there does not seem to be an issue but there is an occasional bark here and there but nothing threatening. Colin stated that the chickens will be afraid of the dogs so he does not expect the chickens to agitate the dogs at all.

Member Leutwiler stated that the letter received was very nice and that the neighbor seems like a great person. Colin Ley supported that statement.

Co-Chair Puryear asked the applicant his intentions with this coop and if he plans to move it around the backyard.

Colin Ley responded by stating he intends to move the enclosure when the ground is worked up and needs to be cared to. He only plans to move the coop a couple feet here and there to areas that are not beat up.

Co-Chair Puryear asked the applicant what his plan was for the coop during the winter

and if the coop has insulation.

Colin Ley stated that he does not plan to keep the birds over the winter.

Member Danly asked the applicant where the chickens go then.

Colin Ley stated that he would deal with that situation off the property.

Co-Chair Puryear asked the applicant if he was purchasing mature chickens that can lay.

Colin Ley stated that he plans to purchase mature hens that can lay eggs. He stated that he would collect the rejects from the farm he is purchasing the birds from.

Member Patterson asked what the height of the fence was again because she was trying to see if the height would be an issue.

Co-Chair Renner stated the fence is six feet tall so it wouldn't be an issue with the dog seeing the chicken but it would be an issue in regards to the dog hearing or smelling the chickens.

Member Brady asked the applicant if he and his neighbor have been exchanging emails and were able to come to an agreement.

Colin Ley stated that his neighbor emailed him later that day, after all the chain emails, stating that he supports the applicant moving forward.

Member Sorensen motioned to approve the Colin Ley Backyard Chicken Application. Co-Chair Puryear seconded the motion. The motion passed on a unanimous roll call vote.

B. Stormwater & Flood Mitigation Presentation – Village Engineer, Jeff Hansen

AI Scopelliti introduced *Village Engineer*, Jeff Hansen to the committee. *Village Engineer* Jeff Hansen approached the podium to talk about his Stormwater & Flood Mitigation Presentation.

VE Hansen explained to the committee that what he has brought before them is general stormwater information and is not site specific. VE Hansen said that this is tailored to sustainability and flood mitigation efforts. VE Hansen stated that he would explain the Village's responsibilities towards flood mitigation and where are some areas of concern for stormwater within the village.

An individual from the audience asked VE Hansen a question in regards to one of his slides about intakes and the types of systems that can be below your street. A short conversation commenced then VE Hansen continued his presentation.

Member Sorensen asked VE Hansen about the types of plants that would be located by bio swales.

VE Hansen explained that you want plants that are both water-tolerant and salt-tolerant. A brief discussion commenced then VE Hansen continued his presentation.

An individual from the audience asked VE Hansen a question in regards to one of his slides that showed a construction site that had illegal accessibility for trucks to use for the site. A short conversation commenced then VE Hansen continued his presentation.

VE Hansen completed his presentation and opened it up for questions and discussion.

An individual from the audience asked VE Hansen a question in regards to where the water goes once it enters the storm drain.

VE Hansen stated that the water goes directly to Lake Michigan in most cases. He stated that sometimes the system is connected to a ravine so the water goes straight there, but other times the water is an open swale so it absorbs the water. A brief conversation commenced.

An individual from the audience asked VE Hansen how deep the storm drains are and if they are drugged out.

VE Hansen stated that the storm sewer is drugged out, normally in the fall. He also stated that the depth of the storm drains vary but most are either 1' or 4' deep. He stated that they are this deep due to the water mains being 5' feet deep so you don't want to run into any issues by confusing the two lines.

An individual from the audience asked both VE Hansen and the SEC Committee what the plan is moving forward with addressing flooding situations at both Arbor Drive and the viaduct.

Co-Chair Renner stated that this would be more of a Village Board topic of discussion and that when he was a trustee, the Board was trying to figure out a solution to the viaduct then too. Co-Chair Renner explained to this individual what the goal of the SEC is and what is in their realm to be able to act on and discuss.

An individual from the audience asked VE Hansen about septic tanks and other materials for draining and how to go about these pieces of equipment when they back up. VE Hansen gave a brief background in regards to septic tanks and how to go about them being effective when large floods occur.

Another individual asked VE Hansen about some flooding on her street and her home specifically. VE Hansen responded to the individual to the best of his knowledge.

Co-Chair Puryear asked VE Hansen a question in regards to the mosquito abatement techniques and if they have any effect on our storm sewer systems. VE Hansen did not really have an answer for this question based off the fact that these individuals do not need to report to VE Hansen to let him know what chemicals they are using and that they are throwing these hockey puck looking items into the inlets to alleviate any new-born mosquitoes. An

individual from the audience explained who is doing the mosquito abatement, the company is called Clark.

Member Leutwiler asked if there is a type of continental divide for the storm water system. VE Hansen responded to this question by explaining the flow of the water once in the system.

Member Patterson asked if there are any studies moving forward for some of the areas that see major flooding within the village. VE Hansen stated that there have been studies that started before the beginning of the year.

Member Danly asked about if anything was considered by the home that was built by Union Church. VE Hansen explained what the Village has new homes do to help alleviate flooding in the village.

Member Brady asked what the perfect solution is to resolve the stormwater flooding within the village. VE Hansen stated that the number one priority would be to address the homes that encounter water in their homes during these large rains. He stated that once you start changing things, you affect other areas. VE Hansen stated that in a perfect world, you would scrap the whole system and start over again.

Co-Chair Rener started talking about ravine erosion and how he helped the Village Board try to address this issue when he was on the board with Co-Chair Puryear. He also stated how extremely expensive that type of project costs.

VE Hansen talked about an evasive tree species, Norway Maple, which is affecting the growth of vegetation in the ravine due to the size of the trunk.

Co-Chair Puryear mentioned that the landscaping companies that dump their grass/leaf clippings down the ravine is also increasing the ravine erosion.

VE Hansen stated that any individual that wants a storm water pipe has to bury it at the bottom of the ravine to decrease ravine erosion.

Member Sorensen asked if the village had any type of guidelines towards bio-swales or native plantings to help alleviate flooding.

VE Hansen stated that there is possibly one at Target and one present at the elementary school. VE Hansen stated that the village does not own any bio-swales throughout the village. A brief conversation commenced.

Member Sorensen asked if there are some native and/or non-native plants that would be effective for the type of soil and environment surrounding Lake Bluff.

VE Hansen stated that he is not a plant expert but that he's sure there are probably some species of plants that would work effectively in the village.

Member Patterson asked VE Hansen what would be one or two things that this committee should recommend to residents to do in their own homes to help alleviate any potential flooding on their property.

VE Hansen stated that downspout and other local pipe disconnections from the local drain would be very effective. Also, he stated that encouraging rain barrels and rain gardens would be small goals but possibly effective solutions.

Another individual approached the podium asking VE Hansen about any solutions he can possibly do for his property specifically. A brief discussion commenced.

Co-Chair Renner talked about being interested in receiving study cases from other towns and how they have addressed their flooding issues. A brief discussion commenced.

8. Village Staff Report

a. Earth Day Event – Improve our Village (LBOLA)

AI Scopelliti explained that this event had passed and wanted to see if anyone had attended.

b. Earth Day and Environmental Forum (LFHS & Lake Forest League of Women Voters)

AI Scopelliti introduced this event to the committee and then Member Sorensen took over and explained a little more detail as to what it is about and if these event is interested in having the SEC present.

Member Brady stated that he would be able to attend this event since he will already be at the high school.

AI Scopelliti informed the committee that staff is willing to gather information for the expo but expressed that staff would like members of the committee to volunteer for this event.

AI Scopelliti informed the committee about some changes that will be occurring within the committee. AI Scopelliti explained to the committee that Member Jill Danly would be leaving the SEC to join the Joint Plan Commission and Zoning Board of Appeals committee (PCZBA). AI Scopelliti also explained that the SEC would be adding Member Leslie Bishop to the SEC committee from the PCZBA committee.

AI Scopelliti talked with the committee about what they would like to see on next month's agenda. Member Danly talked about the Dark Sky initiative. Co-Chair Renner talked about some of the lighting around the village along with the work he will be doing with the exterior lighting at the PSB. Member Leutwiler was curious if some of the new lighting that has gone in around town is Dark Sky compliant.

9. Member's Report

Member Brady talked about some events and articles that Lake Forest High School has done to emphasize recycling and sustainable efforts. He stated that he will share the links to this information with AI Scopelliti.

10. Co-Chair's Report

Co-Chair Puryear talked about the ComEd assessment to confirm the information she talked about in the March meeting. Co-Chair Puryear also talked about the drug drop-off box at the PSB and appropriately using this resource instead of depositing these items in the local sewer systems.

Co-Chair Rener brought up the idea of possible sub-task committee member roles moving forward. He explained that, for example, the individual that is the student representative of the SEC committee could work with the elementary school and middle school with helping them understand what the committee is about and what the goals of this committee are.

11. Adjournment

As no further business came before the SEC, Co-Chair Puryear moved to adjourn the meeting at 8:46p.m. Member Sorensen seconded the motion. The motion passed on a unanimous voice vote.

Respectfully Submitted,

John Scopelliti
Administrative Intern

MEMORANDUM



Date: May 25, 2018

To: Co-Chair Rener, Co-Chair Puryear and SEC Members

From: Glen Cole, Assistant to the Village Administrator
John Scopelliti, Administrative Intern

Subject: Sustainability Planning Process

Over the last few months, the SEC has worked to fulfill the first component of its mandate, which charges the SEC with: *Develop[ing] a Sustainability Plan that explores community goals and/or strategies relating to Social Equity, Energy Conservation, Climate Change, Economic Development, Disaster Mitigation, Public Health, Community Resiliency, and Green Energy Production.* This winter and spring, staff and the SEC have worked to develop a list of draft action steps as well as a survey to test sustainability practices in Lake Bluff. We have used some of these resources in developing the plan:

Frameworks

- [GRC2 Framework](#)
- [STAR Communities Rating System](#)
- [LEED Neighborhood Design \(LEED-ND\)](#)

Peer Models

- [Highland Park](#)
- [Lake Forest](#)
- [Niles](#)
- [Northbrook](#)

As drafted, it appears the plan will focus on nine key areas, generally consistent with the work plan submitted by the SEC to the Village Board last year:

- Solid Waste Management and Recycling
- Energy and Fuel Conservation
- Water Conservation
- Sustainable Landscaping and Natural Resources
- Stormwater Management and Solutions
- Local Food Systems
- Green Buildings and Businesses
- Light Pollution
- Bicycle and Pedestrian Transportation

We hope that members of the SEC will provide constructive feedback on the products created to date, as well as discuss these tenets of the plan in view of the progress towards the plan so far:

- **Vision:** How would we summarize the SEC's vision for sustainability in Lake Bluff?
- **Scope:** Do the above areas reflect the SEC's key interests? Should any be added or removed?
- **Action:** Are these action steps meaningful and attainable? What steps are missing?

At the conclusion of this meeting, we hope to have enough guidance on bringing a full draft of the sustainability plan to the SEC in the next 30 to 60 days. Additionally, in view of the Co-Chairs April request that members match with one of the above key areas, opportunities will exist for SEC members to volunteer and help develop any upcoming draft.

Attachments:

- SEC Sustainability Plan - Action Steps for Consideration

1. Solid Waste Management and Recycling

- a. **Implement a residential recycling program for all households.**
- b. **Implement a residential food scrap composting program for all households.**
- c. Conclude [the SWALCO study of commercial recycling](#). At the study's conclusion, choose either to provide Village commercial trash and recycling service via franchise, or partner with private haulers and businesses to improve recycling rates.
- d. **Add recycling containers in public realm spaces**, with a goal of providing one recycling container adjacent to each public trash can. Label public trash cans as "Landfill" prominently to encourage thoughtful personal waste habits.
- e. Monitor the use and effectiveness of the Village's existing recycling policies and **publish a report annually** on their success.
- f. Proactively and regularly **educate residents** on Village programs and self-help opportunities to better manage waste. Use communications, signage, event outreach, and Village business practices to reach residents continually.
- g. Work to **reduce the Village's paper consumption** by improving electronic notifications and billing, eliminating paper workflows, and encouraging the use of recyclable products for public events.
- h. Support "**Bring Your Own Bag**" efforts by retailers and in the community.

2. Energy and Fuel Conservation

- a. **Enact an Energy Conservation Code for all structures.**
- b. **Lake Bluff School District #65 provides free bussing to students to reduce dependence on vehicles for educational commute.**
- c. Consider designation as a [SolSmart community](#), as well as simplifying how residents may install **solar power facilities** and other features that reduce energy use (e.g. green roofs).
- d. Analyze the installation of a model **renewable energy system at a municipal facility**; consider implementation based on projected return-on-investment from incentives and energy savings.
- e. Consider an optional program that allows residents to participate in the wholesale purchase of **electricity from 100% renewable sources** if Village-wide electrical aggregation once again becomes economical.
- f. Partner with community destinations to **reduce vehicular idling**.
- g. Offer a **plug-in hybrid charging station** at the Metra Parking Lot, and consider installation in other areas.

3. Water Conservation

- a. **Require the installation of WaterSense fixtures for all new permitted work.**
- b. **Regulate the times when lawns may be irrigated by sprinklers (5 p.m. to 11 a.m.).**
- c. Provide **benchmarking information and tips** to residents on their water bills that help residents compare their usage with neighbors.
- d. Consider tiered **rate structures that incent conservation** by charge more per gallon to more intense users of the Village's potable water.

January 2018 – SEC Sustainability Plan - Action Steps for Consideration (Staff)

- e. Review **lawn irrigation** practices in the Village; communicate information on conservation practices (e.g. times of day, moisture sensors) and consider other regulatory steps.

4. Sustainable Landscaping and Natural Resources

- a. **Preserve the urban tree canopy through Village support and an effective tree protection ordinance.**
- b. **Be recognized as a Tree City USA.**
- c. **Protect ravines and bluffs from negative impacts due to development.**
- d. **Village property owners and residential developments make robust use of conservation easements and common space.**
- e. Publish a **list of recommended species** for use in Village projects as well as commercial site plans, which support the Village’s natural beauty and which will continue, through diversity, to increase resilience against plant disease outbreaks.
- f. Continue to lead in **ravine maintenance, protection, and restoration**. Pursue partnerships that preserve ravines.
- g. Allocate resources for collaborations by the Village and community partners that **remove invasive species**.
- h. Lead by example by **incorporating native and adapted plants** on municipal properties and in rights-of-way.
- i. Provide **interpretive signage** for restoration and natural resource projects that raise awareness and convey importance.
- j. **Educate residents** on managing lawns and gardens using natural products and low-impact practices that reduce fertilizer and pesticide use.
- k. **Promote recognition** programs for homeowners that use conservation best practices, such as Conserve Lake County’s [Conservation@Home certification](#) and the [Million Pollinator Garden Challenge](#).

5. Stormwater Management and Solutions

- a. **Set a standard for the appropriate level of public infrastructure flood protection, and pursue improvements to achieve that standard.**
- b. **Impose impervious surface limitations, drainage plan reviews, and Watershed Development reviews to control development’s impact on flooding.**
- c. **Provide technical assistance to homeowners and businesses who seek to reduce flooding.**
- d. Provide **effective public information on stormwater solutions** to equip homeowners to protect their property from flooding and damage.
- e. Support the installation of stormwater **Best Management Practices** on private property, such as rain barrels and gardens. Consider limited programs that would provide residents with equipment (e.g. barrels) or an incentive to do so.
- f. Incorporate **green stormwater management techniques** in public facility and street improvements.
- g. Provide guidance on the appropriate use of **permeable pavement solutions** in development. For residential projects, consider providing a realistic offset to stormwater calculations where permeable solutions are used.

6. Local Food Systems

- a. **A vibrant Farmers Market gives residents convenient, regular access to locally grown food.**

January 2018 – SEC Sustainability Plan - Action Steps for Consideration (Staff)

- b. Support thoughtful initiatives that demonstrate **urban agriculture** on residential property. Monitor and report on their success.
- c. Pursue creation of **neighborhood gardens** that utilize open land and allow residents to grow food communally.

7. Green Buildings and Businesses

- a. **The Village supports developments that integrate open spaces and natural features.**
- b. In lieu of regulation, explore how to monitor and incent how **commercial buildings use green technologies**, such as renewable energy or sustainable building materials. Consider aligning programs to rating systems such as LEED or Energy Star.
- c. Similarly, explore how to monitor and incent the community's use of **sustainable business practices**, especially for businesses required to seek a Special Use Permit or other zoning relief to operate.
- d. Incorporate **sustainable landscaping recommendations in design guidelines** for private development and site plan review.
- e. Consider requiring **privately maintained street recycling containers** to be provided where public trash containers are provided, and **bicycle parking** accommodations commensurate with vehicular parking. Review these components as part of architectural site plan review.

8. Light Pollution

- a. **Street lighting is minimized, and public facilities are thoughtfully lit so as to minimize the impact upon adjacent residences.**
- b. **Provide information about the [LEED-ND Light Pollution Reduction standard](#)** to applicants for Site Plan review
- c. Provide for the Architectural Board of Review to **consider LEED-ND lighting standards when evaluating site plans**
- d. Consider recommendation of [a zoning code amendment](#) that restricts harmful and excessive lighting

9. Bicycle and Pedestrian Transportation

- a. **Compact, walkable areas support walking and bicycling by making these modes a viable connection to destinations.**
- b. **Regional trail linkages encourage recreational bicycling, walking, and travel beyond Village borders.**
- c. Adopt a [bicycle and pedestrian plan](#) that identifies levels of service, gaps in pedestrian and bicycle networks, and barriers to active transportation; and proposes solutions that improve connectivity for non-motorized transportation users
- d. Continue to **incorporate bicycle and pedestrian specific improvements** in the Village's Capital Improvement Program, especially in conjunction with road reconstruction projects ([e.g. Complete Streets](#))
- e. Consider pursuing designation as a [Bicycle Friendly Community](#) or as a [Walk Friendly Community](#)
- f. Provide **bicycle parking** at municipal facilities, in business districts, and at key public destinations [Design public bicycle parking to meet professional standards for number, location, and type](#)
- g. Consider providing **publicly accessible bicycle repair station or air pumps**, e.g. at the bike trail intersection or at the train station

MEMORANDUM



Date: May 25, 2018

To: Co-Chair Rener, Co-Chair Puryear and SEC Members

From: Glen Cole, Assistant to the Village Administrator
John Scopelliti, Administrative Intern

Subject: Other Upcoming Work & Staff Report

Other items of interest for the Committee this meeting include the following:

- **Membership Change:** Jill Danly is now a member of the Plan Commission and Zoning Board of Appeals, and PCZBA member Leslie Bishop is now a member of the SEC. Due to a scheduling conflict, Ms. Bishop will be unable to join us in May.
- **Village Corridor / Gateway Beautification Planning:** As reported to the SEC in April, the Village Board directed Staff to enter into an agreement with Teska Associates and Landscape Artistry (Cliff Miller) to begin planning that will support the SEC's beautification mission. We anticipate that the balance of the SEC's June meeting will be spent on a workshop with Teska Associates.
- **Community Gardens:** This year will mark the second year of operation of the community garden on E. Witchwood Lane. Earlier this year, the SEC discussed opening a public community garden as a future work task. Were the SEC interested in pursuing the establishment of an additional public garden in a different area of town, planning would need to start later this summer to be ready for the 2019 planting season.
- **Seed Library:** Similarly, the Lake Bluff Library has been considering opening a "seed library" that would provide a limited number of seeds free of charge to Library patrons. Again, work would need to start in advance for this project to be ready for the 2019 planting season. Volunteers from the SEC may be able to advise as to seed selection (e.g. native species), as well as help prepare informational and interpretive materials for users of the seed library.

VILLAGE OF LAKE BLUFF

Memorandum

TO: Co-Chair Puryear, Co-Chair Renner and SEC Members

FROM: Glen Cole, Assistant to the Village Administrator
John Scopelliti, Administrative Intern

DATE: May 25, 2018

SUBJECT: **Agenda Item #6B - Dark Sky Ordinances**

At our previous meeting in April, the committee mentioned interest in discussing the International Dark Sky Association (IDA) along with some local Dark Sky Ordinances. Village Staff has gathered the requested information to share with the committee.

The International Dark Sky Association was founded in 1988 and is dedicated to protecting the night skies for present and future generations. The IDA is the recognized authority for night sky protection and has taken the lead in identifying and publicizing the negative impacts of artificial light at night on human health, wildlife, and climate change.

In June 2011, the International Dark Sky Ordinance Association (IDA) and the Illuminating Engineering Society of North America (IES) teamed up to create the [Model Lighting Ordinance \(MLO\)](#). The Model Lighting Ordinance (MLO) will allow communities to drastically reduce light pollution, glare, and lower excessive light levels. Below, is a chart representing the pros and cons of the Model Lighting Ordinance (MLO).

PROS	CONS
PRESERVE VILLAGE CHARACTER	ADDITIONAL BURDEN FOR COMMERCIAL TENANTS/VILLAGE PLAN REVIEW
REDUCE LIGHT POLLUTION	OFTEN HESITANT TO APPLY TO RESIDENTIAL
RELATIVELY LOW COST TO SHIELD/CUTOFF FIXTURES	TAKES TIME TO ACHIEVE COMPLIANCE

There are currently 18 communities across the world that are certified IDA International Dark Sky Communities.

Beverly Shores, Indiana	Horseshoe Bay, Texas
Big Park/Village of Oak Creek, Arizona	Ketchum, Idaho
Bon Accord (Canada)	Moffat (Scotland)
Borrego Springs, California	Mon and Nyord (Denmark)
Coll (Scotland)	Sark (Channel Islands)
Dripping Springs, Texas	Sedona, Arizona
Flagstaff, Arizona	Thunder Mountain Pootseev Nightsky (U.S.)
Fountain Hills, Arizona	Torrey, Utah
Homer Glen, Illinois	Westcliffe and Silver Cliff, Colorado

The Village of Homer Glen, IL is the fourth International Dark Sky community in the world to be recognized by the International Dark Sky Association and the third community in the U.S. Also, Homer Glen is the only

municipality within the State of Illinois that is a certified IDA International Dark Sky community. Since Homer Glen is a certified IDA International Dark Sky community, they must submit a [IDSP Annual Report](#). In the report, Homer Glen explains how one of their many requirements to become certified was to agree to five years of retrofitting street lights. This point is mentioned due to its correlation to one of the cons listed above, “Takes time to achieve.”

Village Staff recommend the committee to take some time to review the [Village of Homer Glen Outdoor Lighting Ordinance](#), along with the [International Dark-Sky Association Dark Sky Community Guidelines](#) to understand the process of becoming a certified IDA International Dark Sky community.

Attachments

- International Dark Sky Association (IDA) Recommended Lighting Zones document



Search

MENU

Home » Lighting » Model Lighting Laws & Policy » Recommended Lighting Zones

Recommended Lighting Zones

Lighting zones reflect the base (or ambient) light levels desired by a community. The use of lighting zones (LZ) was originally developed by the International Commission on Illumination (CIE) and appeared first in the US in IES Recommended Practice for Exterior Environmental Lighting, RP-33-99. To learn more read about our [Model Lighting Ordinance](#).

IDA Suggested Lighting Zones for Codes and Ordinances

At this time, IDA recommends the use of five (5) outdoor lighting zones. The following are suggested criteria for the appropriate wording of the proposed lighting zones.

- LZ0: No ambient lighting**

Areas where the natural environment will be seriously and adversely affected by lighting. Impacts include disturbing the biological cycles of flora and fauna and/or detracting from human enjoyment and appreciation of the natural environment. Human activity is subordinate in importance to nature. The vision of human residents and users is adapted to total darkness, and they expect to see little or no lighting. When not needed, lighting should be extinguished.
- LZ1: Low ambient lighting**

Areas where lighting might adversely affect flora and fauna or disturb the character of the area. The vision of human residents and users is adapted to low light levels. Lighting may be used for safety, security and/or convenience but it is not necessarily uniform or continuous. After curfew, most lighting should be extinguished or reduced as activity levels decline.
- LZ2: Moderate ambient lighting**

Areas of human activity where the vision of human residents and users is adapted to moderate light levels. Lighting may typically be used for safety, security and/or convenience but it is not necessarily uniform or continuous. After curfew, lighting may be extinguished or reduced as activity levels decline.
- LZ3: Moderately high ambient lighting**

Areas of human activity where the vision of human residents and users is adapted to moderately high light levels. Lighting is generally desired for safety, security and/or convenience and it is often uniform and/or continuous. After curfew, lighting may be extinguished or reduced in most areas as activity levels decline.
- LZ4: High ambient lighting**

Areas of human activity where the vision of human residents and users is adapted to high light levels. Lighting is generally considered necessary for safety, security and/or convenience

[Model Lighting Ordinance \(MLO\) PDF](#)

IN THIS SECTION

Lighting

Outdoor Lighting Basics

Find Dark Sky Friendly Lighting

[Lighting For Policy Makers](#)

[Residential/Business Lighting](#)

[My Neighbor's Lighting](#)

[Bad Streetlights](#)

[Model Lighting Laws & Policy](#)

[LED Practical Guide](#)

Find a Dark Sky Friendly Lighting



JOINT IDA - IES Model Lighting Ordinance (MLO) with USER'S GUIDE

ABOUT

[Contact Us](#)
[Who We Are](#)
[Our Work](#)
[Success Stories](#)
[Funding](#)
[Press Releases](#)

OUR WORK

[International Dark Sky Places](#)
[Fixture Seal of Approval](#)
[Parks and Protected Areas](#)
[Sea Turtle Conservation](#)
[Education and Outreach](#)

LIGHTING

[Light Pollution](#)
[Find Dark Sky Lighting](#)
[Lighting Basics](#)
[My Neighbor's Lighting](#)
[Lighting Ordinances](#)
[LED Practical Guide](#)

GET INVOLVED

[Join IDA](#)
[Donate](#)
[Other Ways to Give](#)
[Do Something Now](#)
[Find a Chapter](#)
[Events](#)

RESOURCES

[FAQs](#)
[Losing the Dark](#)
[Publications](#)
[Materials for Educators](#)
[Public Outreach Materials](#)
[Find a Dark Sky Place](#)