



**Conservation Committee
Agenda
Thursday, February 7, 2019
7:00 P.M.
Village Hall**

1. Call to order
2. Approve January 3, 2019 Meeting Minutes
3. Staff Liaison Update
 - a. Shorewood Loves Dogs Campaign
 - b. Bird City Application and Resolution
 - c. Solar Survey Presentation to Village Board
 - d. Committee Chairs meet February 21
4. Discuss Citizen Concerns
5. Update on 2019 Film Festival
6. Update on Energy Assessment Conducted at Shorewood Library
7. Review and Discuss Draft of Green Development Levels
8. Subcommittee Reports
9. Upcoming Events, Member Topics & Suggestions
10. Adjournment

DATED at Shorewood, Wisconsin this 31st day of January, 2019.

VILLAGE OF SHOREWOOD
Sara Bruckman, CMC/WCMC
Village Clerk

Should you have any questions or comments regarding any items on this agenda, please contact the Manager's Office at 847-2705.

It is possible that members of and possibly a quorum of members of other governmental bodies of the municipality may be in attendance at the above stated meeting to gather information; no action will be taken by any governmental body at the above stated meeting other than the governmental body specifically referred to above in this notice.

Upon reasonable notice, efforts will be made to accommodate the needs of disabled individuals.



Conservation Committee

Minutes

January 3, 2019 7:00 P.M.

Village Hall Committee Room

3930 N. Murray Avenue, Shorewood, WI 53211

1. Call to order

The meeting was called to order at 7:03 p.m.

Members present: Chair Joshua Liberatore, Meenal Atre, Linda Frank, Roland Schroeder, Donna Pollock, Sue Murphy Yerkes, Chase Kelm, Maggie Pipek, Elisabeth Witt, and Caroline Kuebler

Others Present: Assistant Village Manager Tyler Burkart, Trustee Davida Amenta, Public Works Director Leeann Butschlick

Not present: Henry Tomasiewicz, Matt McGovern, Abigail Widell and Greta Maierle

2. Approve December 6, 2018 Meeting Minutes

Mr. Kelm moved to approve the December 6, 2018 minutes. The motion was seconded by Ms. Witt. Vote 10-0 to approve the minutes.

3. Staff Liaison Update

Mr. Burkart reported that a total of 217 signed up for the organics collection program, which includes the 100 people already participating. The permanent program will be extended to the additional 100+ people in February. Residents can still put their names on a wait list through Compost Crusader.

4. Discuss Citizen Concerns

There was an inquiry about the tennis court light pollution at the Intermediate School. Ms. Pollock will have an update at one of the next meetings.

5. Update on 2019 Film Festival

Ms. Murphy Yerkes informed the Committee they'll need help with the distribution of the marketing materials and confirming speakers for the films. Ms. Atre summarized the two speakers who'll be in attendance for the first film. The Committee talked about some nutritionists, chefs, or other speakers with food/nutrition background to speak the night of the Cowspiracy showing. One idea was mentioned of having Outpost or similar store sponsor a vegetarian food tasting event. Another idea involved putting together a cookbook with non-meat recipes. Ms. Frank will continue to work on finding a speaker for the "Reinventing Power" film. Mr. Burkart will create a Facebook event for each film.

6. Consider Solar Survey Memorandum

Mr. Kelm summarized the proposed memorandum that would be presented to the Village Board. There was an inquiry about sending the memorandum to the School Board, as well. Mr. Liberatore will send an alternative memorandum addressed to the School Board for their review. Mr. Liberatore moves to approve the memorandum and direct Mr. Burkart to send this Solar Shorewood Survey analysis to the Village Board and staff. Ms. Pollock seconded the motion. Motion approved by a 10-0 vote. Mr. Liberatore requested for the information to be placed on the website after the Village Board receives

the information. Mr. Burkart will also draft a press release to send to media outlets to publish the results.

7. Discuss Conservation Committee 2019 Priorities and Resolutions

Mr. Liberatore informed the Committee that Mr. McGovern is working with Village staff on a free energy audit for the Village buildings. A future update will be provided on this topic. Committee members are asked to review the 2017 annual report and brainstorm some future initiatives.

8. Consider Bird City Renewal Fee

Mr. Liberatore mentioned to the Committee the Village needs to resubmit their annual application to be a Bird City municipality. The fee for the application is \$125. Mr. Liberatore moves to apply to be a Bird City for \$125. Motion seconded by Ms. Frank. Motion approved by a 10-0 vote.

9. Update on Recycling New Fees and Dumpster Problems

Ms. Butschlick provided an update to the Committee about the recycling bins outside of the Public Works facility. The Village is receiving substantial contamination or “dig out” charges for recycling materials that don’t meet the standards of domestic recycling collectors. The contamination charges have recently been doubling the cost of collecting the recycling materials outside of the facility. DPW will be going to the Village Board to ask them how to proceed with the understanding that current contamination charges are putting these services well over-budget for the 2019 fiscal year. Ms. Butschlick went through the viable options with the Committee that will be reviewed with the Village Board. There was discussion about what the impact would be related to education and improved signage. Additional discussion centered on the potential of passing an ordinance to issue citations for improper recycling and surveillance to catch violators. Other ideas consisted of having someone check in at the Public Works facility first prior to accessing the recycling dumpsters. Other inquiries included what other municipalities are doing to resolve this issue. Mr. Burkart encourages Committee members to attend the upcoming Board meeting to participate in the discussion and learn more.

10. Subcommittee Reports

No subcommittee reports.

11. Upcoming Events, Member Topics & Suggestions

No other news or events to report.

12. Adjournment

Ms. Frank moved to adjourn, seconded by Ms. Murphy Yerkes. Vote 10-0 to adjourn. The meeting was adjourned at 8:30 p.m.

Respectfully submitted by,
Tyler Burkart
Assistant Village Manager

Shorewood Conservation Committee Green Development Recommendations

This document outlines green development considerations according to levels of priority, with an eye toward maximizing sustainability features in new development and major renovation projects. Each *level up assumes completion in the previous level plus additional features* from the lists provided.

Site/Landscaping

GOOD

- Develop a construction waste management plan to maximize the amount of construction and deconstruction waste from construction projects that can be diverted from landfills and directed to alternative streams such as recycling or salvaged for reuse.
- Create an erosion and sediment control plan for site
- Promote infiltration and maintain natural stormwater flows by using one of the following strategies: Pervious paving, Bioswales, rain gardens, retention ponds, stormwater harvesting for reuse in irrigation or buildings, vegetated roof. Look for ways to provide openings in the curb to let water flow into boulevard bioswale/rain garden plantings so it can be retained and filtered/infiltrated rather than collected in the storm system.
- Develop a post-construction site maintenance plan and commit to using environmentally responsible snow removal, landscape and pest management

BETTER - all of the above, plus additional features from the following

- If trees need to be removed as part of construction, work with a tree management service so that the trees can be harvested and milled for timber rather than just being chipped.
- Soil disruption mitigation plan, using integrated soils and compost to minimize compaction and topsoil loss and improve porosity
- Implement measure to reduce light pollution, such as using cut-off fixtures and having lights on timers/programs. Minimizing night lighting also reduces bird strikes on glass.
- Develop a landscape plan that prioritizes native plantings to support native birds, animals and insects.

BEST - all of the above, plus additional features from the following

- Provide parking for energy-efficient vehicles or electric vehicle charging stations
- Support alternative transportation, encourage the use of bicycles by providing bike racks, shower/changing facilities and/or indoor bike storage. If there is a bus stop on the site, look for ways to incorporate a bus shelter into the site design.
- Maintain ?% land for green space on the site
- If trees must be removed during construction, offset removals by planting new trees in other areas of the project site to maintain overall canopy balance.

Water Efficiency

GOOD

- Use fixtures (faucets, toilets, urinals, dishwashers, clothes washers, ect) rated EPA Watersense-certified or that meet equivalent flow standards
- Use native, drought-tolerant plants to minimize need for watering, mowing, and fertilization. When possible, select plants that require no additional water beyond the establishment period.

BETTER - all of the above, plus additional features from the following

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BEST - all of the above, plus additional features from the following

- If irrigation is needed, use efficient landscape irrigations strategies such as drip irrigation, micro misters, and moisture sensors.
- Use captured rainwater or greywater on site for irrigation. Do not use potable water for irrigation on site.
- Reduce total indoor water use by 30% over baseline

Energy Efficiency

GOOD

- Purchase Green Power to offset building energy usage as part of Shorewood's 25x25 Resolution to achieve 25 percent renewable energy generation by 2025.
- Confirm that building attic or roof and exterior walls are adequately insulated.
- All projects should work with a program such as Focus on Energy or other agency to conduct an energy audit of existing projects or evaluate energy efficient design strategies on new projects
- On new construction projects and major renovations improve building envelope performance by using energy star-rated doors, windows, skylights. Renovations projects should target increasing insulation levels to current code minimums and new construction to implement strategies for continuous insulation.
- Use weather stripping and properly insulate gaps around windows and doors.
- Confirm that old piping and water heater tanks are insulated properly.

BETTER - all of the above, plus additional features from the following

- Replace old HVAC systems with high-efficiency Energy Star-rated systems.
- Implement solar hot water technology for domestic hot water use, swimming pools or other hot water uses.
- Install programmable or smart thermostats (residential) or automated building systems
- Building project agrees to track energy usage and participate in Village benchmarking program

BEST - all of the above, plus additional features from the following

- Use LED fixtures or outfit existing fixtures with LED lamps

- Building is heated/cooled by biomass, geothermal, or solar technologies.
- For interior fixtures use occupancy sensors to control lights and for exterior light fixtures use motion sensors or timers
- Building is powered by on-site renewable energy, such as electric system (PV's).
- For the building envelope; use Energy Star-rated doors, windows, skylights, etc. (or meet the equivalent U-value for climate zone) and have continuous insulation on the exterior.
- Update old windows with energy-efficient alternatives with U-value performance criteria or Energy Star rating

Indoor Environment Quality

GOOD

- Design/improve building to use natural day lighting in regularly occupied spaces.
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- Provide temperature controls that can be adjusted by building occupants.
- Use low VOC finishes - Paint, stain, adhesive, sealants, and flooring materials

BETTER - all of the above, plus additional features from the following

- Use composite wood products with no added Urea-formaldehyde

BEST - all of the above, plus additional features from the following

- Install light shelves at building exterior windows (recommended at 7'6") to push natural light deeper into occupant spaces.
- Purchase Greenguard Certified or other environmentally responsible furniture.
- Evaluate acoustics for exterior noise impacts and interior conditions
- Use operable windows for natural ventilation, and look at CO₂ sensors for densely occupied spaces that are linked to increased ventilation.

Building Materials

GOOD

- Purchase used or repurposed furniture, shelving, or storage.
- Use products and materials made with recycled content.

BETTER - all of the above, plus additional features from the following

- Use local products and materials that are manufactured and /or harvested within 500 miles of the project site.
- Use products and materials made from renewable resources.

BEST - all of the above, plus additional features from the following

- Use wood based products and materials that come from Sustainably Managed Forests (FSC certified, etc.)

Waste Management

GOOD

- Offer waste sorting stations with visual signage for recycling

- Provide on-site composting container whenever possible
- Encourage landscape practices that reduce extraction and debris removal

BETTER - all of the above, plus additional features from the following

- Use a compost collection service to maximize diversion of organic waste
- Train staff and residents in proper waste sorting and best management practices
- Develop a waste reduction plan with aggressive diversion targets and set benchmarks for measuring progress

BEST - all of the above, plus additional features from the following

- Commit to a zero-waste strategy with tiered diversion targets