



**Environmental Commission  
Meeting Packet  
August 1, 2018**

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## AGENDA: AUGUST 2018

*Please Note Room Change to Public Safety Building – Nelson Room (2<sup>nd</sup> Floor)*

1. CALL MEETING TO ORDER AT 7:00 PM
2. GREEN THEME: **Wetland Banking**  
Steve Shine, Wetland Mitigation Bank Administrator for the MI Dept of Natural Resources will discuss “Wetland Banking” and how this can provide opportunities for communities in Michigan.
3. APPROVAL OF THE AGENDA
4. APPROVAL OF THE MINUTES
5. PUBLIC REMARKS
6. NEW BUSINESS
  - A. Social Media Discussion and Update
    - [Green Meridian Page](#)
    - [Green Meridian Group](#)
7. OLD BUSINESS
  - A. PAH Ordinance
  - B. Wetland Ordinance & Related
  - C. Green Themes
  - D. Other
8. REPORTS & UPDATES
  - A. CHAIR
  - B. COMMISSION/LIASON/WORKGROUP REPORTS
    - A. Planning
    - B. Land Preservation
    - C. Energy
    - D. Green Team
    - E. Other
  - C. STAFF
  - D. OTHERS
9. OTHER
10. PUBLIC REMARKS
11. ADJOURN

**MINUTES: JUNE 2018**

**CHARTER TOWNSHIP OF MERIDIAN  
ENVIRONMENTAL COMMISSION  
REGULAR MEETING MINUTES**

**June 6, 2018**

**5151 Marsh Road, Okemos, MI 48864**

**Public Safety – Nelson Room, 7:00 P.M.**

**PRESENT:** Commissioners Jim Kielbaso, Susan Masten, Ned Jackson, John Sarver, Kirk Lapham, Chair Bill McConnell

**STAFF:** Environmental Programs Coordinator LeRoy Harvey

**OTHERS:** Agnes Bao (HOMTV), Elizabeth Hossink, and Philip Stepnowski (interest in E.C.)

**1. Call meeting to order**

Chair McConnell called the meeting to order at 7 p.m.

**2. Approval of Agenda**

Chair McConnell suggests adding Ember Oaks to Old Business

**3. Approval of Minutes**

A. May 2, 2018 Regular Meeting Minutes: Change: Commissioner Commissioner Lapham moved to approve the minutes with minor modifications. Supported by Commissioner Masten.

**4. Public Remarks** – Ms. Bao described her interest in doing a story on grass mowing height and ecological landscaping.

**5. New Business**

**A. Lawns & Ecological Landscaping**

Commissioner Masten described an interest in exploring our current ordinance regulating lawn height (<https://ecode360.com/28778726>). Masten expressed a concern that the 2015 change in maximum lawn height from 12” – 8” (within 75’ of buildings) might be overly restrictive – or even detrimental to Township Goals (for example, the Water Section in Meridian’s Climate Sustainability Plan.

Masten described that views about lawns are changing. The environmental impact of lawns including:

- Chemicals applied
- Impacts on water supply and water quality
- Biodiversity, pollinators, habitat, etc.
- Energy use and related ozone pollution and greenhouse gas emissions (Commissioner Jackson mentioned the impact of older 2-stroke mowers on pollution)

There is interest in doing some education about ecological landscaping. Ideas include:

- Inserts in Water or Tax Bills.
- Review research and educational materials – (we did a lot on **phosphorous/fertilizer**)
- Hold a tour of “Ecological Landscapes” (like Solar Home Tour).

- Ozone alerts (staggered mowing days, etc.)
- Green Them Presentations
- Environmental Awards to eco-landscapers/examples

Other ideas: Harvey mentioned that from conversations with Code Enforcement, they do not generally give citations for intentional-looking gardens, raingardens, alternative landscapes, as long as the grass areas are not violating code. An example might be a well-defined border around a more bushy patch of perennials, garden, raingarden, prairie, etc.

There is interest in looking in to the history of the ordinance amendment to gain a better understanding of the issues that led to the change and how/if we might proceed.

Harvey provided a draft story on [low-maintenance and ecological landscaping](#) (see attachment)

## 6. Old Business

### A. PAH Ordinance/Coal Tar-Based Sealants (for driveways, parking lots, etc.)

LeRoy shared an update. He has spoken with municipalities, contractors, and experts about potential next steps (see attachments). Rebecca Esselman (our Green Theme Speaker) mentioned a huge study will be coming out soon about the impact of PAHs in the Great Lakes. This may result in a statewide action (similar to Minnesota)

The E.C. recommends:

- Get a report from Younes Ishraidi, Chief Engineer with Meridian Public Works, who will discuss with the Greater Lansing Committee for Stormwater Management on Thursday. See [attachment](#) Harvey prepared for this meeting.
- Incorporate in to our bid specs (use of low PAH – less than 1% sealants)
- Suggest to our Board that we consider a ban
- Share the [brochure](#) with contractors to tell them we’re thinking of distributing it and ask if there’s inaccurate information in it
- Consider working with Lowes or Home Depot to advertise their eco-friendly options.

Commissioner Jackson mention the potential liability for other related chemicals... asbestos, tobacco, etc. that might motivate contractors and communities to get serious about the issue.

### B. Wetland Ordinance

Commissioner Lapham will be talking to his contact at the DNR about a presentation on Wetland Banking

Chair McConnell spoke with John Mays from Land Preservation Board about creating wetlands on preserved Township Lands -- Commissioner Kielbaso mentioned that the Davis Foster farm was a good example where some drains were closed... and also the ecologically questionable decision of restoring to prairie vs. old growth forest. Developers purchasing wetland rights (from wetland bank) could help fund purchase and maintenance of land preservation properties.

Chair McConnell also mention that we could potentially have wetlands and related ecological landscaping included in a “form-based code.”

### C. **Ember Oaks**

Chair McConnell asked Harvey to request information about the prior Wetland Use Permit from Planner Menser.

### D. **Green Themes Ideas**

LeRoy distributed a list of Green Theme topics suggested by/to the Commission so far:

- Salt: Suggested by Rebecca Essleman
  - Radon (Susan)
  - Wetland Banks (Susan/Kirk)
  - Green Building and Development - Brent Forsburg (LeRoy)
  - EL's Sustainable Building Ordinance (LeRoy)
  - Pavement Preservation – Karim Chatti (Susan)
  - Solar Projects on Haslett Community Church or Okemos High School– (John)
  - 100% Renewable Goal of Traverse City – Kate Madigan (John)
  - Ecological Landscaping
  - Topics related to our 2018 goals?
1. Collaborate with the Park Commission and Transportation Commission on **wayfinding**
  2. Review progress on the **Greenspace Plan**
  3. Actualize the **Climate Sustainability** Plan and review ordinances related to the Climate Sustainability Plan
  4. Work with the Economic Development Director to discuss how greening the Township might attract **green businesses**
  5. Collaborate with the **Land Preservation** Advisory Board

Other....

- Green chemistry conference had potential speakers and topics of interest.
- Hopcat? They have a landfill/waste diversion is 90%
- Buddies' composting food waste <https://livegreenlansing.org/scraps-to-soil/>
- Others? Possibly a "Green Panel" of businesspeople

There is interest in elevating awareness about "green businesses" through our Environmental Stewardship Awards or some other "Environmental Commission Seal of Approval" possibly like "Green Star"

### E. **Environmental Commission Rules of Procedure**

Tabled

## 7. **CHAIR'S REPORT**

Chair McConnell attended a Sheriff's office presentation on the County jail which is terrible repair. They are going to try to build a new jail. Tours are welcome. The new style of jail is designed to be modular.

## 8. **STAFF REPORT**

LeRoy handed out an update on projects he's been working on. Due to the length of the meeting, Harvey invited Commissioners to just ask questions about anything they're interested in (any time):

- Park Lake Roundabout Work Day: Saturday (6/9) 9am-11am
- Ecological Landscaping / Yard Waste Factsheet & Policy Research (see below)
- Green Gazette
- PAH Research (see below)

- Green Team: Monday (6/11) 4:30pm
- Energy Team: Friday (6/15) 11:30am
  - Streetlighting Meetings & Research – Rate Case
  - Solar project
- MEO 40<sup>th</sup> Anniversary: Thursday (6/14) 4-8pm [www.michiganenergyoptions.org](http://www.michiganenergyoptions.org)
- Fall Recycling Event
- Green Community Challenge: <http://migreencommunities.com/>
- R2C2 – regional material processing facility.

**9. COMMISSION/LIASON/WORKGROUP REPORTS**

- F. Planning: Bill has been following up with Planning Commission a little more.
- G. Land Preservation: Commissioner Kielbaso visited 3 different sites to purchase or maintain. One might be a gift.
- H. Energy: Solarize Meridian Workshops- Approx. 200 residents have attended. Five workshops are scheduled for the summer and fall. We’re looking to reach out to businesses. The 20 KW solar project is moving forward. The Burcham Park Solar project is having some hiccups with investor but Sarver expects issues to be resolved.
- I. Parks and Recreation: none
- J. Transportation: none
- K. Student Report: Ben emailed that his recruit is not available after all.
- L. Brownfield Redevelopment Authority Report: none
- M. Green Team: Next meeting on June 28 at 4:30 pm . This group is working on the next Recycling Event and Apartment Recycling. Marsh Point might be a potential Env. Stewardship Award Recipient.

**10. Other:**

Next meeting July 18 if Ember Oaks Permit is available to share/discuss.

Commissioner Jackson may have a conflict with meetings in the Fall (class ends at 7pm on Wednesday)

Media Presence: There is interest in having more of a social media presence for the Environmental Commission. Part of this relates to publicizing Green Themes – editing sound bytes from speakers, etc.

**11. Public Remarks:** Elizabeth Hossink is interested in getting involved with the Environmental Commission in the short term. She’s also looking for a job so is not able to commit for a full term of office.

**12. Adjournment:** Moved by McConnell, 2<sup>nd</sup> by kielbaso, Unanimously supported.

## Attachments (from Harvey's June Update)

### Low-Maintenance & Natural Landscapes *(draft story)*

Lots of rain and sunshine has led to an abundance of growth in Meridian lawns and gardens. Fortunately we are right next door to the world's leading program on turfgrass management and experts that are more than willing to share their tips and tricks to save you time and money, reduce waste, and improve our environment. MSU Extension boasts a fine collection of videos and factsheets. For example, visit [www.canr.msu.edu/home\\_lawns](http://www.canr.msu.edu/home_lawns) and read about low-maintenance lawns and mulching your leaves and grass clippings. This website also features information (including videos) about gardening, soil building, and composting here: [www.canr.msu.edu/soils\\_composting](http://www.canr.msu.edu/soils_composting). Also, explore these related topics:

- Rain Gardens: [www.raingardennetwork.com](http://www.raingardennetwork.com)
- Low Impact Development and Green Streets: <http://semcog.org/Green-Infrastructure>
- Green Streets: [http://semcog.org/Reports/GLGI\\_Guidebook/index.html](http://semcog.org/Reports/GLGI_Guidebook/index.html)
- Community Gardens in Meridian: <http://bit.ly/gardencommunities>
- Stormwater Mgmt., Rain Gardens, & more: [www.mywatersheds.org/for-homeowners](http://www.mywatersheds.org/for-homeowners)
- Native Landscaping: [www.wildones.org/learn/native-plants-natural-landscaping](http://www.wildones.org/learn/native-plants-natural-landscaping)

### **Yard "Waste" Recycling**

Meridian Recycling Center, 5976 E. Lake Dr. in Haslett, accepts yard waste for \$2/bag (30 gal. paper) or \$15/cu. yard. Visit [www.reclaimedbydesign.com](http://www.reclaimedbydesign.com) for details and hours. Spring and summer hours for the Recycling Center are M & W 2-6pm, T-Th 10am-6pm, and Sat 10am-5pm. Granger offers yard waste pick-up and drop off options. Call Granger at 517.372.2800.

### **Natural and Sustainable Landscaping Resources**

- <https://www.mnn.com/your-home/at-home/blogs/lazy-lawn-mowers-bees>
- <https://www.ecolandscaping.org/07/lawn-care/lawns-killing-us-time-kick-habit/>
- <https://www.ecolandscaping.org/05/climate-change/climate-wise-landscaping/>
- <https://www.ecolandscaping.org/05/landscape-design/quest-for-resilience-adaptive-strategies-for-sustainable-planting-design/>
- <http://bangordailynews.com/2018/04/10/homestead/why-some-mainers-are-trading-the-traditional-lawn-for-mini-meadows/>
- <http://www.seattle.gov/util/EnvironmentConservation/MyLawnGarden/index.htm>
- [http://www.seattle.gov/util/ForBusinesses/Landscapes/Integrated\\_Pest\\_Management/index.htm](http://www.seattle.gov/util/ForBusinesses/Landscapes/Integrated_Pest_Management/index.htm)
- <https://www.mass.gov/guides/lawns-and-landscapes-in-your-watershed> (Susan)

For additional information, contact Meridian Recycling at 517.853.4466 or write [recycle@meridian.mi.us](mailto:recycle@meridian.mi.us).

## STAFF UPDATE

Lawn Care for H2O savings are Eco-Landscaping – Utility Insert – This will be distributed to 10600 water customers in Aug.

Here are 4 easy tips for maintaining the perfect

# MID-MICHIGAN YARD



Here are four easy tips for maintaining the perfect yard, without wasting water or misusing fertilizers that can degrade the water quality of our lakes and streams.



[meridian.mi.us/GoGreen](http://meridian.mi.us/GoGreen)



### 1 Mow high and let it lie.

Set your lawn mower deck high (3-4 inches) to encourage healthy roots and shade out weeds. Leave clippings on your lawn to provide nutrients and water storage for your lawn.



### 2 Limit your lawn to only what you need and where it will thrive.

Extend mulch around trees to the drip-line. Plant native trees, shrubs, and groundcovers or install mulch or stones in areas not well adapted to growing a lawn (shade, heavy traffic, too wet or dry) or simply install mulch or stones.



### 3 Fertilize wisely.

Fertilize based on a soil test, and never use a fertilizer that contains phosphorus unless your soil test indicates a need. Keep fertilizer on your lawn -- sweep it off pavement and avoid fertilizing before a heavy rain. Improve your soil by adding compost, aerating, and grass-cycling (leave clippings on the lawn).



### 4 If you water, water wisely.

Lawns will go dormant during hot, dry weather and turn brown. This is a good option if you want to save water and reduce mowing. In the fall, grass will come out of dormancy and green up. To maintain a green lawn in extended hot dry periods, water 5-10 minutes (1/10") a day in the heat of the day (1-2pm) every day it does not rain. On especially hot, dry days, water twice in early and late afternoon. In extended droughts, water for about 30 minutes every 2-3 weeks (1/2").

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More on lawn care and ecological landscaping practices can be found at [migarden.msu.edu](http://migarden.msu.edu)

## Staff Updated Continued....

**PAH Brochure** distributed to contractors for comment

### Green Team -

- Apartment Recycling Survey
- Sep 29 Recycling Event

### Facebook/Social Media

- Discussion with Elizabeth Hossink and Deb Guthrie
- Facebook
  - [Green Meridian Page](#)
  - [Green Meridian Group](#)
- Environmentally Friendly Social Campaigns [www.meridian.mi.us/gogreen](http://www.meridian.mi.us/gogreen)
  - Lawn Info
  - Fats Oils and Grease
  - No Wipes Down the Pipes
  - Scoop the Poop
  - Pollution isn't Pretty

### Other Outreach, Publicity, Education

- Green Gazette: Send LeRoy story ideas or news.
- HOMTV Stories

**W etlands Research and Webpage:** <http://recycle.meridian.mi.us/environmentalcommission/wetlands>

**Hidden River Rain Garden:** Weekly watering and Weeding. Summer Weeding Day

### Energy Team Projects

- Solar PV Array on Township: Contract signed, Payment Made, Permit is being submitted
- Solarize Meridian Workshops
- Meridian Solar Open House – Oct 6 – same weekend as the [National Solar Tour](#)
- Streetlights
- Energy Efficiency Improvements

## WETLAND ORDINANCE

Meridian requires a “wetland verification” (~\$250 escrow) and/or a “wetland delineation” (~\$1000 or more) for construction/landscaping/development projects in or near a wetland. Meridian has “Wetland Maps” for the 36 Sections of the township and GIS maps in digital shape files. The Township also keeps records of Wetland Delineations (which are good for **3 years**) which can also be used in the permitting process.

The State of Michigan (and sometimes the EPA) requires permits for projects on wetlands down to 5 acres or within 500’ of a lake, river, drain, or stream. Meridian requires verification, delineation, and/or permits for projects near a wetland. Normally, a buffer strip (undisturbed vegetation) is required within 20 feet of a wetland  $\geq \frac{1}{4}$  acre. An additional 20’ is required (40 for wetlands over 2 acres in size).

When wetland mitigation is required, **annual verification** (that the wetland is functional and reestablishing) is required for 5 years... Unless there is reason to reduce (wetland restoration is complete / well underway). Annual verification includes an assessment and corrective suggestions.

### Changes to the Ordinance

Meridian is currently revising its Wetland Ordinance. The Environmental Commission is reviewing options. Meridian hired Elise Tripp to review and suggest required changes to comply with the State. (see link below).

Permits are required if there is soil disruption. The State allows for “Minor Permits” for projects in wetlands like fences, where minimal soil disruption will occur. **Is it possible for us to do the same?**

### Besides Ordinance Changes, What Else Can We Do?

- Property owners are notified of the Township’s Wetland Map each year in their tax bill.
- Would it be helpful to publicize. Make it easy for people to find out where wetlands are. Put wetland maps on-line – (flood plain maps) <http://www.mcgi.state.mi.us/wetlands>
- Put delineations on-line?
- Provide guidance and support for establishing, creating, restoring, sustaining wetlands, rain gardens, ecological landscaping to residents, developers, etc. (could be funded by permit fees?)
- Celebrate our wetlands – swamphood ☺ Raingardens, etc.
- Provide exceptions for minor permits
- Are there ways we can make it easier for homeowners, builders, developers to “do the right thing” – help them steer clear of wetlands earlier in the permit process? (on-line maps) – and even do more eco-landscaping.
- What resources might we come up with? Lists of consultants, landscaping contractors, suppliers of native plants, etc.
- How might our Land Preservation staff and Board be helpful?
- Could we also share these resources more broadly – in collaboration with neighborhoods, Ingham County Drain Commission, etc.
- Partnerships with other Nature groups, Conservancy, Parks, etc.



# Wetland Links <http://recycle.meridian.mi.us/environmentalcommission/wetlands>

## [Meridian Township's Ordinance](#)

### Comments:

- [Consultant Elise Trip Review](#)
- [Commissioner Kurt Lapham](#)
- [Consultant Gary Marx](#)

### Resources/Research & Related

- [Wetland Banking Slides](#) (from Susan Masten)
- Wetland Banking "Green Theme" Presentation with Steve Shine, DEQ) Aug 1, 7pm Nelson Room, Public Safety Building
- [Model Ordinances](#)
- Resource People/Groups/Organizations
  - Carla Clos/Pat Lindemann
  - Steve Shine
  - Mark Kieselbach
  - Peter Menser
  - Gary Marx
  - Elise Tripp
- Organizations
  - MDEQ
  - Ingham Co. Drain Commissioner
  - [Association of State Wetland Managers](#)
  - Commissions -- Land Preservation, Planning, Zoning, Tri-County Regional Planning Commission
  - Local Businesses - Wildtype, Hammond Farms, VanAtta's,
  - [Ecological Landscape Alliance](#)

### Related Issues

- Promotion/Education
  - Demonstration projects (Lake Lansing, Hidden River Rain Garden, Towar, MSU, Lansing, Okemos High School, Pollinator Garden at Chippewa, etc.)
- Delta Township -- recent ordinance development
- Relationship to ecological landscaping, lawn care/ordinances
- Stormwater/run-off -- Groundwater, Water Quality, Great Lakes, Recreation, Carbon sequestration, Pollinator-friendly habitat, etc
- Surrounding Government and State Initiatives

### Questions:

- What Communities, Counties, States, etc. do a really good job?
- How to reach existing property owners/managers?
- Where are the wetlands in Meridian? Current land use map of Township?
- What's working and not working currently in Meridian?
- How might we raise awareness about water-related issues on the whole

## PAH / COAL TAR-BASED SEALANT DISCUSSION

### What's the issue?

- 15 communities have placed a ban on Coal Tar-based Sealants (which contain cancer-causing polycyclic aromatic hydrocarbons or PAHs)



- A major study of PAH impacts in the Great Lakes by DEQ and USGS is due out later this summer and is likely to cause alarm.
- See Brochure at <https://www.hrwc.org/wp-content/uploads/Coal-Tar-trifold.pdf>  
Note: Huron River Watershed Council (HRWC) is willing to customize and print for us.
- More Resources:
  - <https://coaltarfreeusa.com/>
  - <https://www.hrwc.org/what-we-do/programs/advocacy-and-policy/coal-tar/>
- Meridian is considering a ban but would be more likely to succeed if there is a **regional effort**.

### How might we collaborate on education, outreach, and policy?

- Legislation was introduced in 2016 and 2017 in the House and Senate, but hasn't moved. The study mentioned above will likely stimulate more action at the State level. HRWC suggests that more local/regional awareness and bans will help.
- HRWC has provided model ordinance language for communities to use

Affordable and less toxic alternatives exist – Asphalt-based as opposed to Coal Tar-based sealants. You can now only buy asphalt-based in Home Depot, Lowes, etc.

## Feedback from Sealcoat Applicator (one reply from 10 sent)

Thanks for contacting us about this matter. We have been keeping apprised of this matter for the last 5-10 years, but have found it very difficult to find clear answers. Every study that has been conducted has been questioned as to its methodology and analysis of results, and the lobbyists for both sides seem to muddle all the information. I've found it very difficult to find clear, concise answers on this subject.

Having said that, there are alternatives available here in Michigan. Most don't have the same longevity as coal-tar sealants and are on average 25% more expensive. So our customers would end up seeing 25% cost increases for their sealing projects. I have to imagine at that point, some or many would stop sealing/maintaining their asphalt. So our company would experience a decrease in profits and would have to lay off employees.

I haven't researched what economic repercussions have been experienced by businesses in communities that experience coal tar bans, nor have I seen what, if any, repercussions there are to property values as the asphalt driveways and parking lots decline more quickly. But those are both items I would appreciate Meridian Township investigating prior to instituting a coal-tar ban. I would also be interested in having Meridian Township research if there are any studies showing that the communities that have banned coal-tar have seen a decrease in the carcinogens in their water table after the ban has been in place. I believe California instituted a ban a number of years ago, so I would assume there is current data available showing a decrease directly related to the ban of coal-tar sealers.

If you have any questions about my thoughts, please let me know. Our office number is 517-694-9033. Thanks again for the opportunity to share my thoughts. Amanda Hayhoe, Hayhoe Asphalt

- **Next Steps**

- **Write up model ordinance**
- **Communications to Planning Commission and/Township Board/Staff**

## GREEN THEME SCHEDULE AND TOPICS

Aug 1	Steve Shine	Wetland Banking
Sep 5	Brent Forsberg	“Green” Placemaking
Oct 3	Karim Chatti	Pavement Preservation
Nov 7 -	Cathy DeShambo	East Lansing Environmental Initiatives
Dec 5	Garry Rowe	Wellhead Protection
<b>2019</b>		
Jan 2 or 9	<ul style="list-style-type: none"> <li>• Wetland Person – model ordinances – Elise Tripp?</li> <li>• Blue Trails -- (large county grant)</li> </ul>	
Feb 6	<ul style="list-style-type: none"> <li>• Green Burial Plots (Williamstown Twp – Wanda B.)</li> <li>• Green Building</li> </ul>	
Mar 6	<ul style="list-style-type: none"> <li>• Salt: Suggested by Rebecca Essleman</li> <li>• Radon (Susan)</li> </ul>	
Apr 3	<ul style="list-style-type: none"> <li>• EL’s Sustainable Building Ordinance – Green Building</li> </ul>	
May 1	<ul style="list-style-type: none"> <li>• 100% Renewable Goal of Traverse City – Kate Madigan (John)</li> <li>• Ecological Landscaping – Bill Schneider - WildType</li> </ul>	
Jun 5	<ul style="list-style-type: none"> <li>• Wayfinding: (related to our 2018 goals)</li> </ul>	
Jul 3 or 10	<ul style="list-style-type: none"> <li>• <b>Greenspace Plan</b></li> <li>• <b>Climate Sustainability - review ordinances</b></li> </ul>	
Aug	<ul style="list-style-type: none"> <li>• <b>Relation between Greening and Economic Development/ attracting green businesses</b></li> <li>• <b>Collaboration with the Land Preservation Advisory Board</b></li> </ul>	
Sep	<ul style="list-style-type: none"> <li>• Green chemistry (Ned)</li> </ul>	
Oct	<ul style="list-style-type: none"> <li>• Green Businesses <ul style="list-style-type: none"> <li>○ (Hopcat has a landfill/waste diversion is 90%)</li> <li>○ Buddies’ composting food waste <a href="https://livegreenlansing.org/scraps-to-soil/">https://livegreenlansing.org/scraps-to-soil/</a></li> <li>○ Others? Possibly a “Green Panel” of business people</li> </ul> </li> </ul>	
Nov		
Dec		

View Past Green Themes:

<http://recycle.meridian.mi.us/growgreen/> or

<https://www.youtube.com/watch?v=6qFiWiZQA9A&list=PLYCL9BfEG5RX5LMXKoAde3LCmdRhwrCF>