



Commissioner Chris Trubac
Barbara Andersen
Nichole Biber
Fred Cowles
Sarah Mullkoff
Andrew Nowicki
Matthew Lincoln

THE ENVIRONMENTAL AFFAIRS COMMISSION WILL MEET ON APRIL 27, 2022 AT 5:30 PM IN CONFERENCE ROOM D & E OF THE HUMAN SERVICES BUILDING, 5303 S. CEDAR, LANSING.

<https://ingham.zoom.us/j/83886111156>

Agenda

Call to Order

Approval of February 23, 2022 Draft Minutes

Approval of March 23, 2022 Draft Minutes

Additions to the Agenda

Limited Public Comment

1. Ingham County Parks (*Presentation*)
2. Staff Person Draft Job Description (*Discussion*)

Announcements

Public Comment

Adjournment

ENVIRONMENTAL AFFAIRS COMMISSION

February 23, 2022

Draft Minutes

Members Present: Trubac, Nowicki, Mulkoff (Virtual)

Members Present Later in the Meeting: Biber, Andersen, Cowles (Virtual)

Members Absent: Murr, Lincoln,

Others Present: Jared Cypher, Jim Hudgins, Elaine Fischhoff, Rick Terrill (Virtual)

There was no quorum present. The gathering began at 5:36 p.m. in Conference Room D/E of the Human Services Building, 5303 S. Cedar Street, Lansing Michigan.

Approval of Draft Minutes

This item was skipped due to a lack of quorum.

Additions to the Agenda

Limited Public Comment

None.

1. Bureau Veritas Energy Audit Contract (Discussion)

Bureau Veritas gave a presentation detailing their plans to move forward with the energy audit and meet the goals outlined in the RFP.

2. Environmental Tools and Mapping (Presentation)

Andrew Nowicki gave a presentation on environmental justice mapping tools produced by the state and federal government. Links to these tools and further information are included below:

EPA EJ Screen - <https://ejscreen.epa.gov/mapper/>

Climate and Environmental Justice Screening Tool -
<https://screeningtool.geoplatform.gov/en/cejst#10.26/42.6706/-84.5361>

Information on MiEJScreen –
https://www.michigan.gov/documents/egle/Presentation-AAC-MiEJScreen-2021-09-22_736899_7.pdf

University of Michigan Screening tool -
<https://www.arcgis.com/apps/webappviewer/index.html?id=dc4f0647dda34959963488d3f519fd24>

Announcements

Nichole Biber mentioned that the upcoming GM plant sounds open to renewable energy.

Barbara Andersen mentioned a pamphlet from Consumers Energy that mentions only 10% of energy produced is renewable, and the commission could explore options to assist in expanding renewables.

Public Comment

None.

Adjournment

The meeting was adjourned at 6:32pm.

ENVIRONMENTAL AFFAIRS COMMISSION

March 23, 2022

Draft Minutes

Members Present: Trubac, Andersen, Biber, Cowles, Mulkoff, Nowicki, Lincoln

Members Absent: Murr

Others Present: Jared Cypher, Marshall Clabeaux, Randy Dykhuis, Elaine Fischhoff

The meeting was called to order by Commissioner Trubac at 5:30 p.m. in Conference Room D/E of the Human Services Building, 5303 S. Cedar Street, Lansing Michigan.

Approval of Draft Minutes

Nowicki motioned, Biber seconded to amend the minutes to reflect recent changes in the law regarding virtual participation at meetings. The motion passed.

The minutes from January and February were approved.

Additions to the Agenda

None.

Limited Public Comment

Elaine Fischhoff gave comment regarding: 1. She would like the Environmental Commission to be listed on the county website and for minutes to be made available there. 2. The county fleet could be electrified. 3. The commission could explore the creation of an EV network 4. She would like to see environmental justice projects to assist low income or otherwise disadvantaged communities.

3. Lansing Environmental Action Team (LEAT) (Presentation/Discussion)

Members of the Lansing Environmental Action Team Marshall Clabeaux, Randy Dykhuis and Elaine Fischhoff gave a presentation detailing the history of the group and outlining what changes they would like to see implemented in the county. They referenced a model being used in Oakland County. Some of the priorities included:

- Lowering emissions to make buildings more efficient
- Making it easier to utilize alternative modes of transportation
- Scheduling speakers at each meeting to assist in informing the commission
- Hiring someone to a position that would oversee the implementation of further action
- Commit to using ARP dollars for meeting climate goals
- Hold GM accountable for running new operations on renewable energy

Biber spoke to increasing native plantings as a first step that would increase biodiversity and energy efficiency.

Cowels spoke in favor of scheduling a speaker for future meetings and in exploring the possibility of a staff position.

MOVED BY COWELS, SUPPORTED BY BIBER TO DIRECT STAFF TO BEGIN PRELIMINARY RESEARCH INTO THE FEASIBILITY OF A NEW POSITION TO OVERSEE ENVIRONMENTAL POSITIONS IN THE COUNTY.

THE MOTION CARRIED UNANIMOUSLY

Announcements

Mulkoff announced that the Michigan Climate Action network recently published a new report and that the organization is hiring for a new position.

Public Comment

Elaine Fischhoff expressed gratitude for the commissions enthusiasm and willingness to act.

Adjournment

The meeting was adjourned by Chairperson Trubac at 6:56pm.

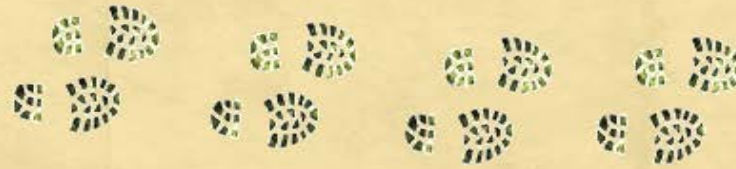


Ingham County Parks

Tim Morgan, Ingham County Parks Director
Nicole Wallace, Trails & Parks Millage Coordinator
Presentation for Environmental Affairs Committee
4/27/2022



OUR PARKS & TRAILS



- Ingham County Parks:
 - Burchfield
 - Hawk Island
 - Lake Lansing North
 - Lake Lansing South
- Trails - 27.5 total miles
 - 1.5 miles at Hawk Island
 - 10 miles at Lake Lansing North
 - 16 miles at Burchfield Park





Be Energy Smart



▪ Energy Audit Services

Ingham County entered into a contract with Bureau Veritas Technical Assessments, LLC to conduct an energy audit on 16 facilities/sites. The contractor will do an energy audit and report for each facility including:

- Heating, ventilation and air condition (HVAC) equipment including humidity control
- Energy management and control systems
- Lighting
- Water Usage
- Domestic hot water
- Building envelope including insulation
- Other energy systems
- Greenhouse gas emissions
- Ground keeping



Be Energy Smart



- Energy Audit Services – our locations:

Facility	Lighting
Hawk Island Park Outdoor Lighting	Tubing Hill: 18 metal halide lights; Parking Lots: 18 metal halide lights
Lake Lansing Park South Maintenance Building	Needs (12) 8' and (3) 4' fluorescents replaced
Lake Lansing Park South Band Shell	Needs 17 canister flood stage lights and 3-4 fluorescents replaced
Burchfield Park Winter Sports Building	Inside the building are 41 lights (mixture of canister, t8s, and regular light fixtures)
Burchfield Park Outdoor Lighting Needs	External lighting on building is 5; parking lot, old toboggan run and current sled hill there 17 total lights



Be Energy Smart



- Energy Audit Services Deliverables
 - The results of the audit will allow the County to implement green building practices, pollution prevention strategies, and to reduce the overall environmental impact of County building operations.
 - Ingham County Parks would also be upgrading outdoor lighting at winter sports facilities at Hawk Island and Burchfield Park with more efficient lighting.



Green Our Grounds



- Enhance the sustainability of our landscapes
 - 1,200 acres of park land
 - 90% is natural area
 - Reduce mowing in the parks – only 10% of park system
 - Utilizing native plantings on edges/fringe areas



Green Our Grounds



- With the majority of new projects, we are incorporating more environmentally friendly designs such as bioswales and rain gardens
- Buffer Zone around lake at Hawk Island:

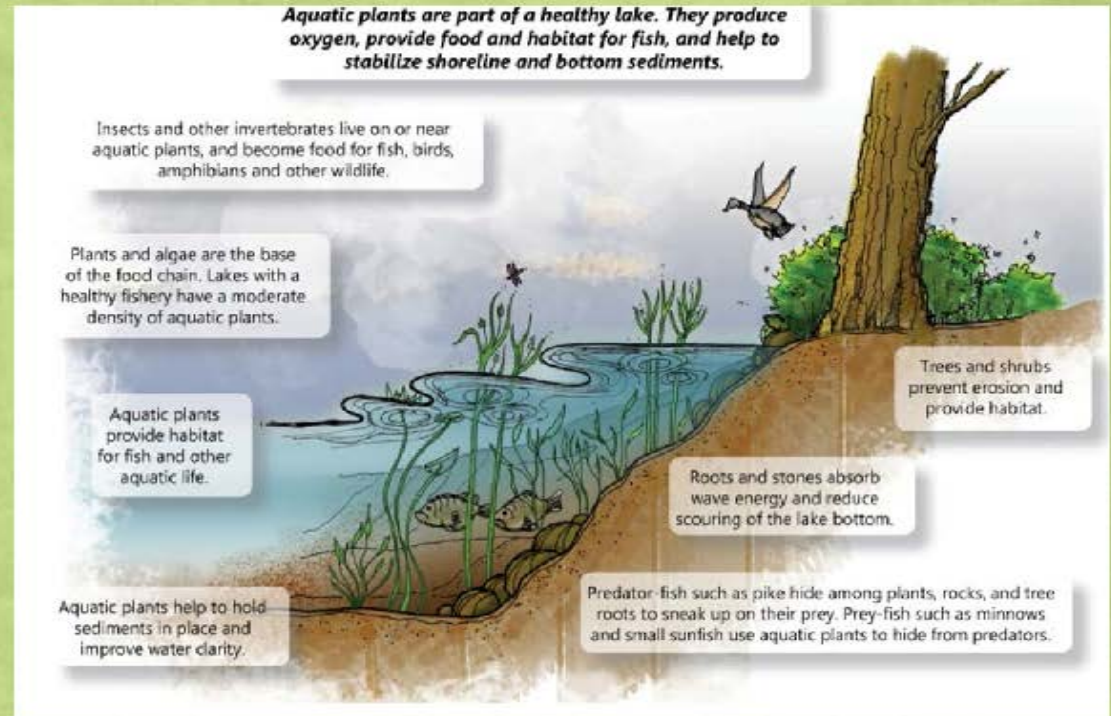




Construction of a Natural Shoreline Protection Project at Lake Lansing South



- **Why Go Natural?**
- Bioengineering is a method of stabilizing shorelines with shrubs, herbaceous plantings, and natural materials to prevent erosion and provide fish and wildlife habitat
- Will be used as a demonstration plot for residents of Lake Lansing to encourage installation of natural shorelines on their properties





Natural Shoreline Protection Project at Lake Lansing South



▪ Ecological Benefits

- Natural wave energy absorption
- Provides critical habitat for fish and wildlife
- Filters run-off
- Promotes percolation
- Deters nuisance geese





Green Our Rides



- Ingham County will work to transform our existing fleet/equipment and adopt greener transportation and maintenance methods
- Electric vehicles are a green and efficient option
- Battery/electric utility vehicles and various equipment –i.e. mowers, chainsaws, weed whips, etc.





Alternative Transportation Methods & Recreation



- The County Trails and Parks Millage encourages alternative modes of transportation by investing in trail systems to make regional connections
- Due to many varying user groups, we try to provide for both passive (wooded, not mowed, birdwatching, etc.) and active (beach front, picnic areas, places to throw ball, etc.).
- We have a good balance of passive vs active recreation areas within our parks
 - We have such high usage compared to acres maintained. For example, Yosemite has 4 million visitors for 750,000 acres whereas Ingham County Parks has over 2 million visitors for only 1,200 acres.



Alternative Transportation Methods & Recreation



Table 4: Driven Miles Avoided Due to Walking and Bicycling Annually (Billions)

Factor	Status Quo	Modest Scenario	Substantial Scenario
Trips < 1 mile	11	21	26
Trips 1–3 miles	11	18	26
Trips 3–5 miles	3	5	11
Transit trips 1–15 miles*	15	50	112
Increase of public transportation ridership because of walking and bicycling	unknown	8	37
Trip length reduction through induced mixed use (1–15 miles)	unknown	10	27
Totals	25	62	127

**Transit trips 1–15 miles are not included in the total calculation, but were used to calculate increase of public transportation ridership because of walking and bicycling.*

Source: https://www.railstotrails.org/media/847675/activetransport_2019-report_finalreduced.pdf



Alternative Transportation Methods & Recreation



Analysis: Increasing the Bicycle and Pedestrian Share of Trips

At present, one-third of all trips less than 1 mile are made by walking and bicycling, while two-thirds of all trips less than 1 mile are made by cars, trucks and motorcycles. Eight percent of all 1- to 3-mile trips and 2% of all 3- to 5-mile trips are made by walking and bicycling (i.e., 10.6 billion and 3.5 billion miles of active transportation, respectively), while 88% of all 1- to 3-mile trips and 93% of all 3- to 5-mile trips are made by cars, trucks and motorcycles (8 billion miles).⁵¹

- Increasing the bicycle and pedestrian share of trips less than 1 mile from 33% to 50% under a modest scenario, and from 33% to 62% under a substantial scenario, would result in 21 billion and 26 billion driven miles avoided, respectively.
- Increasing the bicycle and pedestrian share of 1- to 3-mile trips from 8% to 10% under a modest scenario, and from 8% to 14% under a substantial scenario, would result in 18 billion and 26 billion driven miles avoided, respectively.
- Increasing the bicycle and pedestrian share of 3- to 5-mile trips from 2% to 3% under a modest scenario, and from 2% to 6% under a substantial scenario, would result in 5 billion or 11 billion driven miles avoided, respectively.

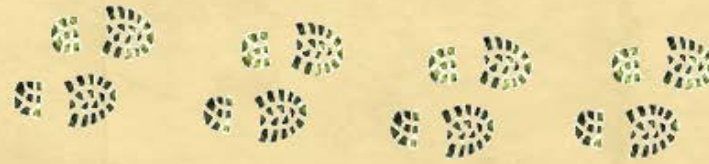
This analysis includes short trips of 3 miles and medium length trips of 3-5 miles to better reflect experienced and inexperienced bicyclists. Experienced bicyclists routinely travel 5 miles or more per trip, while inexperienced bicyclists generally travel 3 miles or less per trip.⁵²

Estimates of modest and substantial scenarios for walking/bicycling trip length are based on the following assumptions:

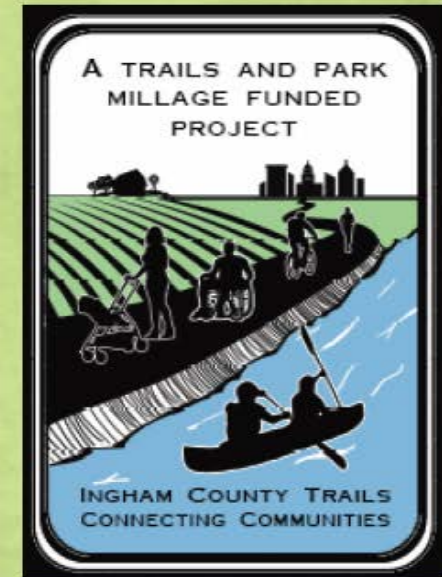
- The modest scenario was calculated by averaging the top 25 states' (for walking and biking) percentages of walking/bicycling in that trip's mileage category.
- The substantial scenario was calculated by averaging the top five states' (for walking and biking) percentages of walking/bicycling in that trip's mileage category.

Source: https://www.railstotrails.org/rmedia/847675/activetransport_2019-report_finalreduced.pdf

Trails and Parks Millage



- Passed in 2014 and renewed in 2020
- Allocated over 37 million to date:
- 106 Projects Awarded
 - In progress – 56
 - Completed – 50
- Visit pk.ingham.org for more information on all project status, click tab for Trails & Parks Millage



Trails & Parks Millage Applications - Round 7

Awarded 3/8/22 totaling: \$2,749,346.00



Community	Project	Grant Award
Alaiedon Township	Leek Cemetery Nature Trail & Improvements	\$296,400.00
City of Lansing	River Trail Bank Stabilization - Mt Hope Cemetery	\$170,000.00
City of Lansing	River Trail - Overband & Crack Sealing	\$60,000.00
City of Lansing / FLRT	Trail Ambassador Coordinator	\$20,000.00
City of Leslie	Shared Use Path - Hull Rd to S Cameo Dr	\$313,796.00
City of Leslie	Shared Use Path - Middle School to Russell Park	\$265,000.00
City of Mason	Jefferson Trailhead / Community Garden Improvements	\$204,000.00
City of Mason	Hayhoe Riverwalk Trail - Repair	\$337,000.00
City of Williamston	Memorial Park Trail Planning & Engineering	\$40,700.00
Lansing Township	Waverly Rd Shared Use Pathway, Phase II - Feasibility Study	\$18,750.00
Leroy Township	Simmons Memorial Park Improvements	\$21,600.00
Leslie Township	Township Grounds Lighting & Recreational Improvements	\$300,000.00
Meridian Township	MSU to Lake Lansing Connector Trail, Phase III *(\$1,500,000.00 already committed by Resolution 20-563)	\$225,000.00*
Vevay Township	Community Park and 5-Year Recreation Plan	\$81,500.00
Village of Stockbridge	Greater Stockbridge Connectivity & Wellness Park Enhancements	\$395,600.00



Trails and Parks Millage Completed Projects



- Project TR078 Leslie Township Grounds Trail



- City of Lansing Project TR042 Universally Accessible Canoe/Kayak Launch at City Market



Trails and Parks Millage Completed Projects



- Project TR049 Meridian Township Okemos Road Pedestrian Boardwalk



Trails and Parks Millage Completed Projects



- Project TR053 Lansing Township: 10-foot wide concrete pathway - Waverly Road from Old Lansing Road to St. Joe Highway



- Project TR048 Stockbridge Lakelands Trail Resurfacing- part of the Iron Belle Trail and Lake to Lake trail

Ingham County Parks Grants matched with Millage Dollars since 2015

16 successful MDNR Grants maximizing Millage Match dollars!

Hawk Island 2015

1.5 mile loop trail resurfacing Recreation Passport Grant: \$45,000

Burchfield Park 2016

Overlook Shelter Improvements Recreation Passport Grant: \$45,000



Burchfield Park 2016

McNamara Landing MNRTF GRANT: \$105,800

Lake Lansing North 2017

Accessibility improvements MNRTF GRANT: \$244,800

Lake Lansing South 2018

Dock Replacement MNRTF GRANT: \$300,000

Lake Lansing South 2019

Replacement of Bathhouse and Accessibility MNRTF GRANT: \$300,000

Hawk Island 2019

Paved path, fishing piers, accessibility updates MNRTF GRANT: \$300,000

Burchfield Park 2020

Sinker Landing MNRTF GRANT: \$50,000

Lake Lansing South 2020

E-Dock Kayak Launch/Parking Lot & Access MNRTF GRANT: \$300,000

Lake Lansing North 2021

Trail Loop & Boardwalk replacement Phase1 MNRTF GRANT: \$300,000

Hawk Island 2021

Boardwalk replacement phase 1 with fishing pier MNRTF GRANT: \$300,000



Burchfield Park 2018

Accessibility Improvements Land and Water Fund Grant: \$256,500

Lake Lansing South 2019

Accessibility updates, walkways, drainage Land and Water Fund Grant: \$300,000

Hawk Island 2019

Shade shelters, boat pier, E-Dock Kayak Land and Water Fund Grant: \$297,100

Hawk Island 2021

Boardwalk replacement phase 2 with fishing pier Land and Water Fund Grant: \$130,400

Burchfield/McNamara Landing 2021

Rental Cabins, accessible loop trail Land and Water Fund Grant: \$500,000



TOTAL Since Millage Passed for Park Grants: \$4,069,600.00

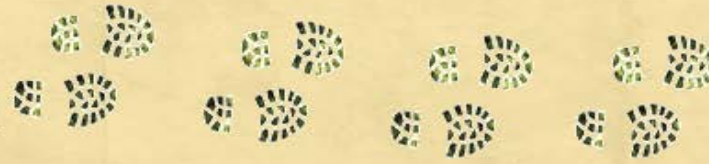


Completed Projects



- Land and Water Grant at Burchfield County Park for ADA accessibilities and facilities updates

Completed Projects

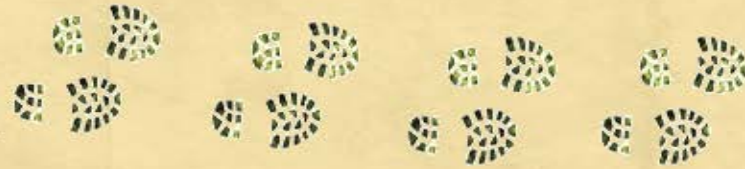


- New EZ Launch at Burchfield Park



- Example site of limestone path at Lake Lansing North (Construction for rest 2023/2024)

Completed Projects



- New EZ Launch at McNamara Landing

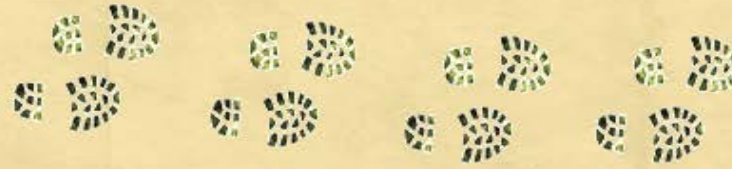


- Grand River Wayfinding



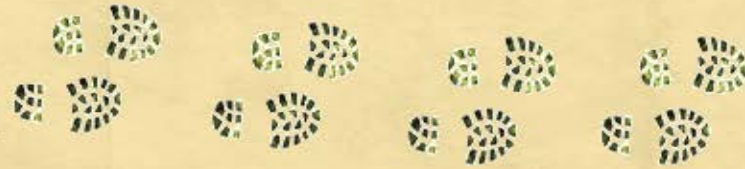
- Overlook Picnic Shelter and Restroom at Burchfield County Park

Completed Projects



- Lake Lansing Park North Accessibility Improvements

Completed Projects

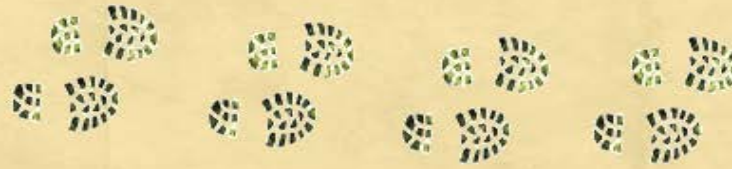


- New dock at Lake Lansing Park South



- Resurfacing 1.5 mile loop trail at Hawk Island County Park

Friends of the Ingham County Parks



- **Become a Friend and Park Patron**
- **Tree & Bench Donation Program**

The Friends of Ingham County Parks was organized and incorporated in 1999 as a not-for-profit 501(c)3 corporation. The Friends are positioned to accept gifts and bequests which may be held for transfer to the Parks Department until the time when they can be used to their greatest advantage.

Volunteering & Stewardship



- Volunteering
 - We offer single projects for individuals or groups, school-group projects, and open and willing to work with volunteers on committing to a season-long project.
 - E-mail Ian Londo, Assistant Park Manager at ilondo@ingham.org for more information.
- Stewardship
 - Invasive species removal
 - Workdays



Questions?



Tim Morgan
Ingham County Parks Director
tmorgan@ingham.org
517-676-2233

Nicole Wallace
Trails & Parks Millage Coordinator
nwallace@ingham.org
517-676-2233