

## Agenda The Township of Cavan Monaghan Sustainability Advisory Committee Meeting

Friday, December 13, 2024 1:00 p.m.

Council Chambers - Hybrid Room

Members in attendance are asked to please turn off all electronic devices during the Meeting. Any special needs requirements pertaining to accessibility may be directed to the Clerk's Office prior to the meeting. Please be reminded meeting are livestreamed and recorded. Members may be participating remotely.

**Pages** 1. Call to Order 2. Land Acknowledgement We respectfully acknowledge that the Township of Cavan Monaghan is located on the Treaty 20 Michi Saagiig territory, in the traditional territory of the Michi Saagiig Anishnaabeg. We offer our gratitude to First Nations for their care for and teachings about these lands. May we honour these teachings. 3. Approval of the Agenda 4. Disclosure of Pecuniary Interest and the General Nature Thereof 5. **Minutes** 5.1 2 - 5 Minutes of the meeting held September 20, 2024 **Presentations** 6. 6 - 116.1 Norm Lamothe - Soil Regeneration and Agricultural Biochar Processing 6.2 12 - 26 Amanda Newell - 30 by 30 Nature Conservation Initiative 7. **General Business** 27 - 27 7.1 Work Plan 28 - 287.2 2025 Meeting Schedule Discussion

#### 8. Adjournment



#### **Minutes**

#### The Township of Cavan Monaghan Sustainability Advisory Committee Meeting Friday, September 20, 2024 1:00 p.m.

**Council Chambers - Hybrid Room** 

#### Those members in attendance:

Leslie Bilcox Chair (remotely)

Amanda Newell Craig Onafrychuk Lisa Crawford

Ryan Huntley Deputy Mayor

#### Those members absent:

Manny Borges Joanne Key

#### Staff members in attendance:

Mark Froment Deputy Clerk

Kyle Phillips Chief Building Official/By-law Enforcement Officer

Chris Allison Parks and Facilities Manager

#### 1. Call to Order

Chair Leslie Bilcox called the meeting to order at 1:02 p.m.

#### 2. Land Acknowledgement

Chair Leslie Bilcox recited the land acknowledgement.

#### 3. Approval of the Agenda

Moved by: Huntley Seconded by: Newell

That the agenda for the Sustainability Advisory Committee be approved as

presented.

Recorded	For	Against
Bilcox	X	
Newell	X	
Huntley	X	
Onafrychuk	Χ	
Crawford	X	
Results	5	0

Carried

#### 4. Disclosure of Pecuniary Interest and the General Nature Thereof

There were no pecuniary interests noted.

#### 5. Minutes

#### 5.1 Minutes of the meeting held July 19, 2024

Moved by: Newell Seconded by: Huntley

That the minutes of the Sustainability Advisory Committee meeting held

July 19, 2024, be approved as presented.

Recorded	For	Against
Crawford	Χ	•
Onafrychuk	X	
Bilcox	X	
Newell	X	
Huntley	X	
Results	5	0

Carried

#### 6. General Business

#### 6.1 2025 Budget Discussion

Kyle Phillips provided the Committee with a financial report.

#### 6.1.1 Community Tree Planting Project Samples

Moved by: Crawford Seconded by: Newell

That the Sustainability Advisory Committee request for the 2025 Budget \$10,000 for Sustainable Community Initiatives and the addition of one (1) new initiative for 2025 being the Rain Barrel Program requesting \$5,000.

Recorded	For	Against
Huntley	X	•
Crawford	X	
Onafrychuk	X	
Bilcox	Χ	
Newell	X	
Results	5	0

Carried

#### 6.2 2024 Work Plan

Moved by: Huntley Seconded by: Crawford

That the Sustainability Advisory Committee approve the additional

materials for the work plan.

Recorded	For	Against
Crawford	X	_
Newell	Χ	
Huntley	X	
Onafrychuk	Χ	
Bilcox	X	
Results	5	0

Carried

Moved by: Crawford

Seconded by: Onafrychuk

That the Sustainability Advisory Committee approve the updates for the work plan and add one new item being the Community Tree Planting Project.

Recorded	For	Against
Bilcox	X	_
Crawford	X	
Newell	X	
Huntley	X	
Onafrychuk	Χ	
Results	5	0

**Carried** 

#### 7. Adjournment

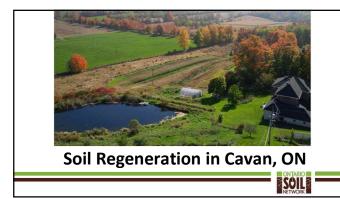
Chair

Moved by: Huntley Seconded by: Newell

That the Sustainability Advisory Committee adjourn at 2:12 p.m.

Recorded	For	Against
Onafrychuk	X	
Bilcox	Χ	
Crawford	X	
Newell	X	
Huntley	X	
Results	5	0
		Carried
Leslie Bilcox	Mark Fr	oment

**Deputy Clerk** 



• Established 1902, 6th generation family farm • Formerly 900 sow hog operation (farrow-wean) • 500-acre Diverse Operation • Market Garden Cash Crop (Corn, Soy, Wheat, Oats, Barley)
 Forages, Hay, Woodlots, Grasslands Compost Facility • Commercial Passive Solar Greenhouse Livestock • Organic Maple Syrup SOIL



1

#### **Norm Lamothe**

- **Full-Time Farmer**
- Entrepreneur
  - Co-founder: Deveron Corp. (TSXV: FARM)
     Leading North American Ag Tech Startup
  - Aviation Background
     International Aircraft Brokerage & Flight School
- Food and Farming Program (Durham College)
- Community Involvement Agriculture Advocate



2

**Our Journey ONFARM** SOIL

3

#### **Soil Regeneration**

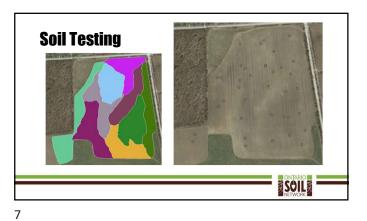
- Our Philosophies Include:
  - Increased Rotations
     Minimum Tillage\*

  - Extensive Use of Cover Crops
  - Organic Soil Amendments
  - Rotation Grazing (New)
  - 3D Data Driven Decisions



SOIL











9 10





11 12



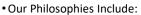






15

#### **Climate Legacy**



- Carbon Footprint Reduction
- Carbon Sequestration Program
- Conversion of Waste to Energy

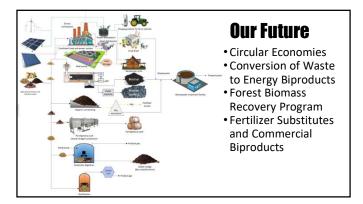
- Journey to Net Negative
  Electrify Everything
  Promotion of Diversity



SOIL





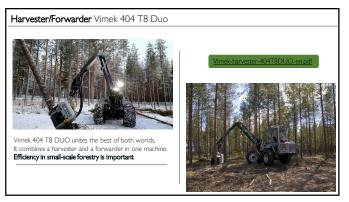


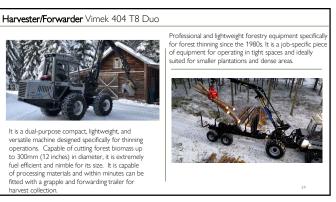
20



2024 - Phase 1.0 Forest Biomass Recovery Launch · Partnership Discussions with Ontario Woodlot Association Testing/purchasing equipment
Contracts
Training/Licensing
Rebranding/social media/
advertising
Plan/schedule future harvest thinning operations with the OWA and participating landowners Planning/funding/equipment for Phase 2 – biochar production

22





23 24

#### Excavator Mecalac 8MCR

25



Mecalac 8MCR, a compact, powerful, versatile, and fast riecatac oriect, a compact, powerful, versaule, and fast maneuvering multi-use machine. Produced in France and distributed by a dealership in Ontario. Proven track record and very efficient fuel consumption. The Mecalac will be equipped with a rotator grapple used to pick up logs and debris in tight spaces, as well as a tree sheer gatherer for quick removal and gathering of smaller trees and brush.

The machine will be equipped with a log trailer to act as second forwarder for material removal. Lastly it will be used to gather up and stockpile unmarketable materials and subsequently be used as the primary feeding tool for



#### Chipper - Vermeer 1800 XL

26



The Vermeer 1800 XI is a highly productive 18" capacity drum-style chipper. Its powerful dual feed wheel system driven via (2) 32.3 CID hydraulic motors provides around 4,480 pounds of pulling power and the standard hydraulic lift cylinder enhances performance by providing additional down pressure reducing chainsaw work. 360-degree hand crank discharge chute with end chip deflector height adjustable.

#### Windrower Sittler Compost Windrow Turner 512



Made in Canada, PTO driven beater, can operate on tractors in the 85-100 hp range. Water hookups standard. Ideal for medium to large farm, municipal and industrial composting Reliable, efficient, economical, low-maintenance, and long-lasting. Extra-hardened, replaceable steel blades are uniquely positioned on the compost drum to allow for complete blending right to the base of the windrow. Material from the outside is brought inward and from the bottom to the top forming a peak position, allowing the windrow to have a chimney effect for ideal CO2/oxygen flow.



#### Compost Extractor Hiwassee Continuous Flow Bio-Extractor 700 GPL

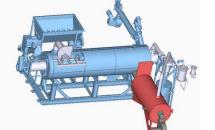


Durable casters make this unit easily movable, and the compact frame conveniently fits through any standard door. Unlike other extractors requiring an industrial grac 230-volt electrical connection, a single 115/120-volt electric feed is all that is needed to power our Bio-Extractor. The stainless-steel construction and high-quality components combined with expert workmanship, provide unmatched strength and durability. Every component of the Bio-Extractor has been designed to protect microbiology during the extraction and liquid transfer processes. Best of all, there is no waste from the extraction process as the solid byproducts can be recycled into a composting system or used for highquality potting soil.
-Continuous Flow Rate: 700 GPH.

-Electrical: Single 120-volt outlet, UL Listed Control Panel -Dimensions:  $30W \times 48L \times 70H$  inches, Fits through a standard door, 340 pounds

27 28

#### 2025 - Phase 2.0



#### Biochar Production

- Design/Engineering Spring 2024 Fabrication Summer 2024
- 2 tonne/day biochar production
- Pyroligneous acid production CHP opportunities
- Anticipated production 2025 2025-2026 field trials and research with OSCIA
- Annual CO2e sequestration potential = 1,400 tonnes/year

**Our Partners – Catching Carbon** Ontario Ontario **CRIBE | next**for ABRI-TECH CAVAN MONAGHAN Sustainable Canadian Agricultural Partnership

#### **Contact Info**

#### Woodleigh Farms Ltd. - Norm Lamothe

Twitter: @woodleighfarms Facebook: woodleighfarms Instagram: woodleighfarms

www.cavanfresh.ca woodleighfarms@gmail.com 705-761-2063





KLT and The Path to Whole Landscape Conservation





## What is KLT?

A charitable organization that works to sustain and enrich life through abundant natural and productive lands that are embraced, protected and conserved by the people of the Kawarthas.





## How?

- 1. Protection and management of donated and purchased lands
- 2. Stewardship and monitoring of lands protected through legal Conservation Easement Agreements
- 3. Support through **Partners in Conservation**





## How?

- Fostering nature connection and learning through land access, workshops, guided tours, etc.
- 2. Building community and resilience through **volunteer relationships**
- 3. Building regional capacity through strong, active, diverse partnerships





### **Partners in Conservation**

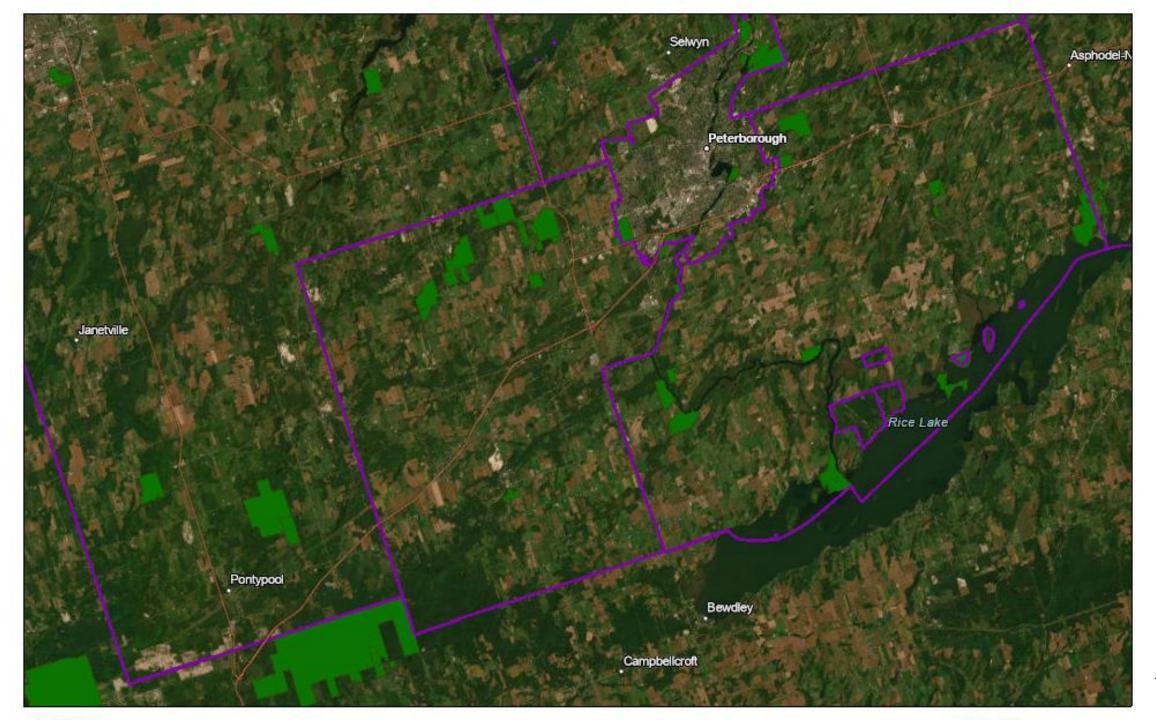
Supporting landowners in conservation of private lands

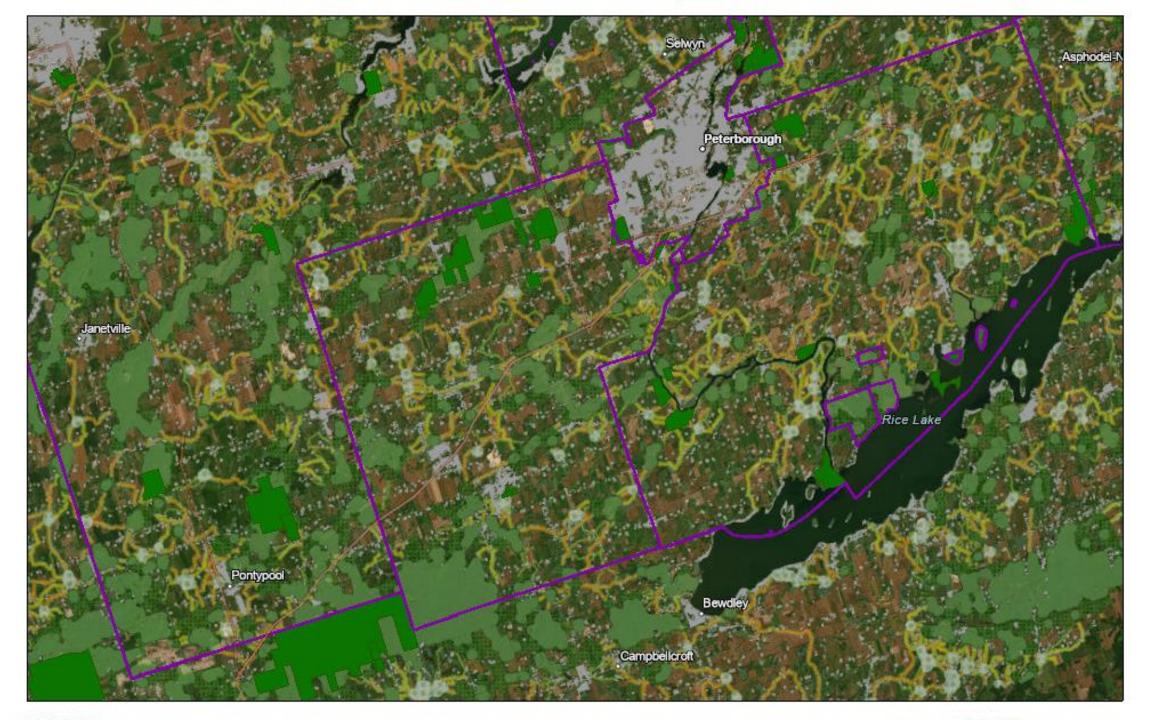
"Unlocking the good in your land"



30 x 30



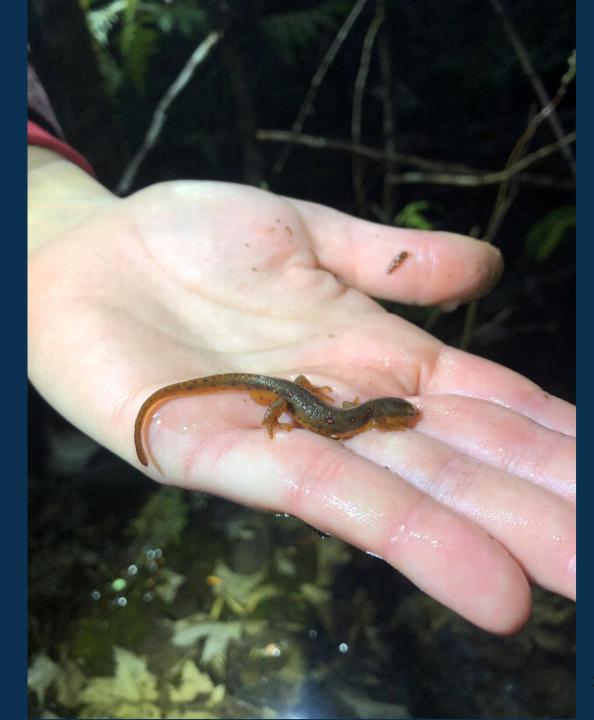






Government protection is key, but how will the rest be managed for 30x30?

Private landholders!



- inventories and info sharing
- acknowledgment of role in conservation
  - exploring and guidance around stewardship goals
- finding resources (funding, help through other agencies, contractors)





PIC is about the process of whole landscape conservation, not the result.





Landowners participate on a volunteer-basis, with no legal obligation

Landowners receive support and stewardship through staff/volunteer visits to conduct basic ecological inventory

Priority areas have been identified, but open to anyone within service area and accept referrals



"Any landowner would benefit from the stewardship report. They're beautiful and informative."





Success depends on protecting active and retired agricultural lands as well as forests, meadows, wetlands



strong, active relationships between KLT, First Nations & other landholders, government & conservation agencies, funders, volunteers, educational institutions & researchers

**AND** 

technologies that help us understand, organize and connect.



**FOREST** 



**MEADOW** 



WETLAND



**AGRICULTURE** 



# Supporting capacity and collaboration through the recently launched

# Regional Conservation and Climate Partnership

https://kawarthalandtrust.org/regional-conservation-climate-partnership/





## Thank you!



Sustainability Advisory Committee Work Plan 2024				
Item	Budget	Sub- Committee	Tasks/ Progress	Completion Date
#1. Sustainable Community Initiatives	\$5,000	Kyle Phillips Chris Allison	Weather stripping initiative has been added to Christmas in the Village.	Ongoing
#2. Data Analysis	\$30,000 Contracted services	Kyle Phillips Chris Allison	RFP for the Corporate and Community Data Analysis and Monitoring Program has been awarded to Aladaco Consulting Inc The consultant has now received all amended data requested for a more fulsome report. The report is now underway.	RFP issued, ongoing
#3. Energy Conservation Demand Management Plan Update		Committee	Staff will bring a draft plan back to the Committee. Next step to be completed once the consultant for the data analysis has finished their work.	Awaiting data analysis
#4. Communication Campaign		Brigid Ayotte	All communications materials for 2024 have now been completed.	Ongoing
#5. Rain Barrel Program		Leslie Bilcox Staff	The initial order of 50 rain barrels has been delivered and all have been sold. 50 more barrels have been ordered and delivered with 20 already sold. They will be available for sale at Christmas in the Village.	Initial order completed, second order ongoing
#6. Community Tree Planting Program		Leslie Bilcox Staff	Committee and staff to explore design and costs for a Community Tree Planting Program. The Committee's preference is for one similar to Douro Dummer's program. Staff have contacted Pine Needle Farms and they are sending some information.	Ongoing
#7. Earth Day 2025 (April 22, 2025)		Committee	Initiatives to be decided.	Ongoing

December 13, 2024



#### Sustainability Advisory Committee Meeting Schedule for 2025 1:00 p.m. to 3:00 p.m.

Thursday, January 30

Thursday, March 27

Thursday, June 26

Thursday, September 25