



The Corporation of the City of Sault Ste. Marie  
Environmental Sustainability Committee  
Agenda

Tuesday, July 8, 2025

12:00 pm - 1:30 pm

Video Conference

Meetings may be viewed live on the City's Youtube channel  
<https://www.youtube.com/user/SaultSteMarieOntario>

Meetings may be viewed live on the City's YouTube channel  
<https://www.youtube.com/c/saultstemarieca>

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Pages

1. **Call to Order**

2. **Land Acknowledgement**

I acknowledge, with respect that we are on Robinson-Huron Treaty territory, that the land on which we are gathered is the traditional territory of the Anishinaabe and known as Bawating. Bawating is the home of Garden River First Nation, Batchewana First Nation, the Historic Sault Ste. Marie Metis Council.

3. **Adoption of Minutes**

3 - 4

Mover \_\_\_\_\_

Seconder \_\_\_\_\_

Resolved that Minutes of Environmental Sustainability Committee meeting of May 13, 2025 be approved.

4. **Declaration of Pecuniary Interest**

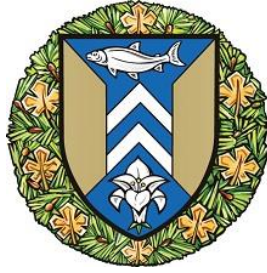
5. **Adoption of Agenda**

Mover \_\_\_\_\_

Seconder \_\_\_\_\_

Resolved that the Agenda for Environmental Sustainability Committee meeting for July 8, 2025 as presented be approved.

6.	<b>CDF Green Initiatives Fund Applications Review Q2</b>	
	Mover _____	
	Seconded _____	
	Mover _____	
	Seconded _____	
	Resolved that the Environmental Sustainability Committee supports the request for funding from the CDF Green Initiatives Program for the following 2025 Q2 projects and amounts, and recommends that Council approve the requests.	
6.1	<b>Sault Ste. Marie Museum– Environmentalism Database &amp; Consortium - \$11,800</b>	5 - 35
6.2	<b>Tourism Sault Ste.Marie – Floating Wetland Project - \$9,001.72</b>	36 - 87
7.	<b>2023 - 2024 Sustainability Report Review Update</b>	88 - 90
	Mover _____	
	Seconded _____	
	Resolved that the Environmental Sustainability Committee (ESC) supports the submission of the City of Sault Ste. Marie 2023 - 2024 Sustainability Report Outreach Letter to Mayor, Council and City Senior Management by the ESC Chair pending approval by the ESC at their July 8, 2025 meeting.	
8.	<b>ESC Membership Update</b>	
9.	<b>Staff Update</b>	91 - 95
10.	<b>Next Meeting</b>	
11.	<b>Adjournment</b>	
	Mover _____	
	Seconded _____	
	Resolved that this Committee now adjourn.	



**The Corporation of the City of Sault Ste. Marie  
Environmental Sustainability Committee Minutes**

Tuesday May 13, 2025  
4:00 pm  
Thompson Room

Present: D. Hilsinger, V. Prouse, A. Riopel, M. Britton, E. Emilson,

Absent: T. Kern, C. Gardi, A. Judge, N. Roubal

Officials: E. Cormier

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**1. Call to Order**

Meeting was called to order at 4:05 p.m

**2. Land Acknowledgement** (was missing from Agenda package, noted by Chair)

**3. Adoption of Minutes**

Moved by: A. Riopel

Seconded by: V Prouse

Resolved that Minutes of the Environmental Sustainability Committee meeting of May 13, 2025, be approved.

**Carried**

**4. Declaration of Pecuniary Interest**

**5. Adoption of Agenda**

Moved by: V. Prouse  
Seconded by: M. Britton

Resolved that the Agenda for the Environmental Sustainability Committee meeting for April 15, 2025, as presented, be approved.

**Carried**

**6. 2023 – 2024 Sustainability Report Review & Discussion**

**7. Staff Update**

Deferred to June 6<sup>th</sup> (which was cancelled) so July 8<sup>th</sup> meeting

**8. Next Meeting**

Tuesday June 6, 2025, 4:00 – 5:30 PM – Regular Meeting – Hybrid (In-person and virtual)

**9. Adjournment**

Quorum ended for the meeting, so it ended early at 5:15 PM.

Moved by:  
Seconded by:

Resolved that this Committee now adjourn.

**Carried**

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Chair

## **CDF – Green Initiatives Program Fund Overview**

### **1.0 Purpose**

The purpose of the Green Initiatives Program of the Community Development Fund (CDF) is to support green initiatives that result in improved environmental sustainability in Sault Ste. Marie.

### **2.0 Policy**

The City of Sault Ste. Marie's (the City) Environmental Sustainability Committee (ESC) may recommend the allocation of funds for eligible projects or programs that support of the City's environmental plans and practices, in particular the reduction of greenhouse gas (GHG) emissions and other community environmental sustainability activities.

Funding applications will be reviewed by the ESC in accordance with the CDF – Green Initiatives Program guidelines and will be recommended to Council for approval.

Total funds available for all projects under the CDF – Green Initiatives Program is \$50,000. This amount will be reviewed on an annual basis.

### **3.0 Definitions**

3.1 "Environmental sustainability" means: projects that support reducing our community GHG emissions and reducing pollution, maintaining our natural environment and managing the use of natural resources in a way that ensures their availability for future generations.

3.2 "Eligible Applicant" means either a:

- i. Incorporated Not-for-profit organization
  - ii. Unincorporated organization/collective – must be composed of at least 2 members and have been active as a group for at least 1 year
  - iii. Local School or School Group / Committee
  - iv. City of Sault Ste. Marie Department
- "Eligible Project" means any project or activity that demonstrates environmental benefits or improvements and is consistent with City policies, and may include, but is not limited to greenhouse gas (GHG) reduction, improving water quality / rehabilitation, increases energy efficiency, healthy and resilient ecosystems, including habitat restoration active transportation or waste reduction.

## **3 Processing for Evaluating Proposals**

4.1 The Community Development and Enterprise Services Department (CD&ES) will provide the resources to support the intake of applications and support the proponent(s) in the development of their proposal.

4.2 City Finance and CD&ES will provide recommendations regarding economic resources available and related concerns (e.g., due diligence collaboration, risk management, etc.)

4.3 Once an application has been deemed eligible and complete by City staff, applications will be reviewed with the Environmental Sustainability Committee for recommendation to City council.



4.4. All requests will be presented to Council in writing with supporting presentations by the applicant, if required. A copy of the application will be included in the Council package, which is public. Any confidential material to support the application should be contained in a separate document and marked confidential.

4.5 City Council will make the final decision regarding the approval of financial contributions.

#### 4 Accountability, Monitoring and Reporting of Results

The following will be expected from the successful applicants:

5.1 Recognition of the Community Development Fund contribution to the project in reports and appropriate marketing products, including the City logo.

5.2 Progress reports for longer duration projects as outlined in their application timetable and proposal to City Council.

5.3 A final project report containing an evaluation of the success of the initiative in meeting its goals and key performance targets as well as the benefits to the community is required within 60 days of project completion.

5.4 A complete report of all revenues and disbursements for the project within 6 months of completion of the project. The City Finance Department will require supporting financial documentation (e.g. paid invoices, etc.) and has the right to review or audit projects.

The Green Initiatives funds are provided on a re-imbursement basis, i.e., an organization incurs the cost, provides invoices to the City in a claim report and the City's contribution level to the project is then provided. Where other levels of government or other funding programs are involved, the City will receive claim packages as submitted to the other funding agencies and pay their proportional share of approved and eligible project costs.





## **Community Development Fund Application Form**

### **Green Initiatives Stream**

Before filling out an application, please discuss your project and/or activity with Community Development and Enterprise Services (CD&ES) staff. Contact information is available in Section 7 of the application. Staff will help guide potential applicants through the process and answer any questions regarding the program and application form.

Please fill in each of the following sections:

#### **Section 1: Intakes**

Applications will be accepted quarterly every year and recommended for Council approval by the City's Environmental Sustainability Committee (ESC) at their quarterly meetings. Please select the intake round you wish to apply for funds.

<b>Intake</b>	<b>Submission Period</b>	<b>Application Due</b>	<b>ESC and Council Review</b>	<b>Project Implementation</b>
<input type="checkbox"/> Q1	January 1 – March 31	Last Friday in March of each calendar year	April	After May 1
<input checked="" type="checkbox"/> Q2	April 1 – June 30	Last Friday in June of each calendar year	July	After August 1
<input type="checkbox"/> Q3	July 1 – September 30	Last Friday in September of each calendar year	October	After November 1
<input type="checkbox"/> Q4	October 1 – October 31	Last Friday in October of each calendar year	November	After December 1

#### **Section 2: Applicant Information**

Please select which type of organization you represent:

- ☒ Incorporated Not-for-profit organization  
☐ Unincorporated organization/collective – must be composed of at least 2 members and have been active as a group for at least 1 year  
☐ Local School or School Group / Committee  
☐ City of Sault Ste. Marie (list Department): \_\_\_\_\_

**Organization/Collection/School/School Group Name:** The Sault Ste Marie & 49<sup>th</sup> Field Regiment  
RCA Historical Society

**Address:** 690 Queen Street East

**Phone Number:** 705-759-7278

**Fax:** None

**Contact Name:** Mike Delfre **Email:** [m.delfre@outlook.com](mailto:m.delfre@outlook.com)

**Phone:** 705-542-8484

**Names of Organization Officers, Directors & Principals (if applicable):**

M. Delfre	S. MacGillvery	B. Nadon	T. Arbus	R. Rouleau
L. Williams	D. Cartmill	C. Coulter	V. McLeod	P. Lofstrom



**Briefly describe the function or purpose of your organization (e.g. include a short history, mandate, goals and objectives)**

The Sault Ste. Marie Museum is an incorporated non-profit institution dedicated to preserving and interpreting the history and culture of Sault Ste. Marie. Our mission is to engage the public through exhibitions, educational programs, and community outreach. Our primary goal is to inspire public awareness and participation in local history, with a growing focus on environmental sustainability as it relates to our community's past and future.

**Contributing Partners:**

49<sup>th</sup> Field Regiment RCA- Mr. Clyde Healey (clyde.healey@shaw.ca)  
Royal Canadian Legion Branch 25- Mr. Pierre Breckenridge (ppbreck@sympatico.ca)  
City of Sault Ste Marie- Virgia McLeod (v.mcleod@cityssm.on.ca)  
Provincial of Ontario Community Museum Operating Grant- Ms. Elka Weinstein (416-564-9398)  
Algoma District School Board- Ms. Lucia Reece (705-945-7234)  
Huron Superior Catholic District School Board- Mr. Fil Lettieri (directors\_office@hscdsb.on.ca)  
Sault College- SCSU (annual appointment)  
Algoma University- Ms. L. Bloomfield (laurie.bloomfield@algonau.ca)

**Section 3: Project Information**

**Please provide key information about your project including: project description, objectives, performance targets, impacts and limitations of project, methodology and timing (including key dates for progress reports and final report to council)**

Project Description

The Sault Ste. Marie Museum's is proposing to conduct a 3 phase project to: A) develop a digital database that will document local environmental action, assets and the history of environmental activity in Sault Ste. Marie and Algoma. This database will serve as a comprehensive resource and will also be the foundation for B) two interactive, portable exhibits designed for community outreach. The exhibits will feature digital screens, banner ups, and other display materials, and will be used to educate the public, particularly youth, about current and past environmental activity in the city and encourage involvement in ongoing environmental initiatives. The project will be rolled out in phases, starting with the creation of the database and surveys to gather data on local environmental actions. The next phase will involve designing and building the interactive exhibits followed by outreach to schools, colleges, and community organizations to display the exhibits at various public events. Both the database and exhibit development phases of the project will be used to bring the environmental organizations, businesses and government departments together to determine the need and support for C) a new incorporated, not for profit consortium similar to ones in other cities in Ontario (e.g Thunder Bay, Sudbury and Ottawa). A post-project evaluation will assess the environmental impact and community engagement achieved through the project.

Project Objectives

The primary objectives of this project are to engage the community in learning about the history and future of environmental sustainability in Sault Ste. Marie, create a digital resource for local residents, schools, and organizations interested in environmental action, and offer opportunities for youth to get involved in citizen science. The project also supports the museum's long-term goal of establishing a dedicated environmental nonprofit organization that will continue to foster sustainable practices in the community. By providing an accessible and engaging platform, the



project will help build awareness and encourage citizens to take action on environmental issues. Ultimately, the project will also contribute to the museum's profitability by increasing public engagement and fostering potential future volunteer opportunities.

### Performance Targets

The project's success will be measured by several performance targets. First, we aim to reach at least 50,000 community members within 2 years through the exhibit, both through in-person interactions and online engagement with the digital database. Second, we expect to engage at least 10,000 students within 2 years through targeted outreach events at local schools and colleges. Finally, we anticipate that the project will ultimately lead to a 50% increase in local participation in environmental actions, such as volunteer programs or sustainability projects. These targets will ensure that the project is effectively contributing to community awareness and involvement in environmental sustainability and will provide clear metrics to evaluate its success.

### Project Impacts and Limitations

The Sault Ste. Marie Museum's Environmental Action Database and Exhibit project will significantly increase public awareness of local environmental actions and the history of environmental activity in the city and region. Through the creation of a digital database and an interactive exhibit, community members will gain deeper insights into the city's past sustainability efforts and how they can contribute to future environmental action. This initiative is particularly aimed at engaging youth by providing opportunities for students to get involved in environmentalism and citizen science, both through direct interactions with the exhibit and outreach programs at local schools and colleges.

Additionally, the project will foster long-term community involvement in sustainability. It offers a platform for individuals to engage in citizen science and environmental monitoring, encouraging participation in community-led environmental initiatives. This engagement is integral to the museum's broader goal of building a dedicated environmental nonprofit organization, which will eventually provide the city with a permanent facility for ongoing sustainability efforts. The project also offers educational resources that will be made accessible to individuals and organizations, enabling a wider audience to access valuable information about environmental sustainability and local initiatives.

Moreover, the project will create opportunities for increased collaboration between local organizations, schools, and community members, strengthening partnerships and amplifying collective efforts to improve the city's environmental footprint.

Despite its promising outcomes, the project faces several limitations. One major challenge is the reliance on securing sufficient funding and resources. If the Green Initiatives Fund is not able to cover the full requested amount, or if additional financial support is not found, aspects of the project, such as consultant fees or materials for the exhibit, may need to be reduced or postponed.

There is also a risk that the project may not engage as many community members, particularly younger generations, as anticipated. With so many competing interests and digital distractions, ensuring broad participation can be difficult. Furthermore, the project's use of technology—such as digital screens and an online database—could face technical challenges related to maintenance, updates, and accessibility, potentially limiting its reach.

The project is also constrained by time, with a limited window for both development and evaluation. Given the 1-year timeline for green fund projects, there may not be enough time to



fully assess the long-term impact of the project or capture the full scope of its success. Additionally, while the exhibit will be portable, its mobility could be hindered by logistical issues, such as travel costs or limited time spent at each location, which may limit its ability to reach diverse audiences.

Lastly, the project's future success is dependent on collaboration with local schools, colleges, and environmental organizations. If these partnerships fail to materialize as expected, the project's impact could be lessened. The museum enjoys annual funding support from both the public and separate school boards as well as Sault College and Algoma University. The museum's long-term goal of establishing a standalone environmental nonprofit also hinges on securing future funding, which remains uncertain. The museum has begun identifying grants such as the TD Friends of the Environment Fund and funding opportunities from local businesses and agencies with ties to the environmental sector.

#### Methodology & Timing

The project will be implemented in three phases. The first phase, focused on data collection and database creation, will run from June – September 2025. During this time, we will gather input from environmental organizations, businesses and government departments about past environmental actions, assets, expertise, equipment etc. During phase one, an estimate of the interest and willingness on the part of the environmental organizations, businesses and government agencies to collaborate and contribute to the next phases of the project will be made. In the second phase, from October to December 2025, we will design and build two interactive exhibits, incorporating feedback from the initial surveys. The third phase, from January- March 2026, will focus on outreach, with the exhibits being displayed at high schools, colleges, and public events throughout the community. The final phase will include the development of the terms of reference and a business plan for a new, incorporated, not for profit environmental consortium that would be launched in May 2026. Finally, the project will conclude with an evaluation phase in June 2026 with a comprehensive final report that will assess the project's impact. We will also track key milestones and deliverables throughout the project's duration to ensure that objectives are being met on time.

**Outline your communication strategy for promoting the project you are seeking GIF for (e.g., press release, social media post, community event, etc.) and any plans to ensure that the project is brought to the attention of the community. Please also include the target audience of your project and anticipated impact (e.g., education, awareness, reduced emissions, water quality improvement)**

To promote the project, the Sault Ste. Marie Museum will employ a multi-faceted communication strategy that includes press releases, social media engagement, and community events. Press releases will be distributed to local media outlets to raise awareness about the project's goals and its benefits for the community. Social media platforms, such as Facebook and Instagram, will be used to engage a wider audience by sharing updates, behind-the-scenes content, and interactive posts that encourage participation. The museum will also organize community events and school outreach programs, where the exhibit will be displayed at local high schools, colleges, and community centers, providing an opportunity for hands-on engagement and discussions about environmental action. The museum currently offers a digital blog series which will invite representatives of the environmental organizations, businesses and government department to share information about their programs and services.





The target audience for this project includes students, local residents, and environmental organizations. Special attention will be given to engaging youth, particularly students in high schools and colleges, to encourage their involvement in environmental sustainability and citizen science. By promoting the project through these channels, we aim to increase public education and awareness about local environmental history and actions, as well as inspire greater community participation in sustainability initiatives. The anticipated impact of this project includes fostering a deeper understanding of environmental issues, increasing volunteerism, and encouraging individuals to take tangible actions that support long-term environmental sustainability goals, such as reducing emissions and enhancing local ecosystems. The project will also promote a more active, environmentally conscious community and provide a foundation for future environmental programs in the region.

#### **Section 4: Costs and Financing**

Total amount of assistance requested \$ 11,800

**Please specify as accurately as possible how the Green Initiatives Fund will be used if approved. Requests for capital purchases or printed material must include a minimum of one quote from a firm/business to provide the service/material.**

As part of our long-term strategy, this project is intended to lay the foundation for a standalone environmental nonprofit. We anticipate generating future revenue through continued community involvement, educational programming, and partnerships with environmental organizations, local businesses, and government agencies.

#### **Cost Breakdown:**

- Digital screens and banners (2 portable setups):
  - Digital Screens: 2 Tablet screens for displaying digital media content and resources = \$200.00  
Tablet, 10 Inch Tablet Android 14 with Octa Core, 12GB RAM+128GB ROM(Expand to 1TB), 1280 \* 800 IPS HD Display Android Tablets, Dual 5MP+8MP Camera, 6000mAh, 5G/2.4G WiFi(Black) : Amazon.ca: Electronics
  - Banner Ups: \$149.00 base cost per unit x 4 units = \$596.00
  - Retractable Banners: Custom Printing | VistaPrint CA
- Event logistics (travel, setup, printing materials):
  - Printing: \$300.00 for in-house Museum printing and related materials. \$0.01 per BW and \$0.10 for full colour. Cost of paper is separate.
  - Brochure Printing – 0.17\$ per at 5000. = \$849.00
  - Tri-Fold Brochure Printing & Design | VistaPrint

All cost estimates were obtained from Amazon.  
See budget attached for complete project costs.

**If you are a City Department, please elaborate on how you plan to use this request to build a pathway into future operating and/or capital budgets. Please also tie this into the environmental sustainability section of the corporate strategic plan.**

N/A



**Does your organization currently receive other financial assistance from the City, either in-kind or direct funding?**

☒ Yes

☐ No

If yes, please specify: The City of Sault Ste. Marie provides an annual grant to the Sault Ste. Marie Museum.

**Have you received Green Initiative funding from the City previously?**

☐ No

☒ Yes      ☐ Amount (\$) \$1,971.71

**Project Title / Description:** LED Retrofit Project

The Sault Ste. Marie Museum sought funding from the GIF to assist in converting all lighting over to LED. Last year the Museum worked to obtain incentives from the Save on Energy Program and matched funding for the conversion of all florescent lights in main areas to full LED. This year the Museum would like to finish this conversion by changing the bulbs in our exhibit spaces to LED. In these galleries there are 151 fixtures requiring bulbs. The Sault Ste. Marie Museum is a non-profit and charitable organization. The Museum did seek additional funding from our Council request, but were not awarded additional funds.

**Objectives:** The Sault Ste. Marie Museums objectives for the project are to make the Museum more energy efficient by replacing remaining out of date bulbs with new LED bulbs to increase the energy efficiency of the organization, but also lower the costs associated with lighting.

**Performance Targets:** The focus of the project is to use energy in a more efficient manner by replacing all remaining bulbs to LED bulbs.

**Impacts and Limitations:** This project is expected to reduce museum energy consumption by 2,585 kWh a year total (or 0.07 tCO<sub>2</sub>e) or \$336.05 in energy savings a year.

**What was the last year received:** 2024 (specify year)

If yes, for the last year that the grant was received, append a copy of a Post-Project Report. Please note that applicants can apply more than once a year, providing their last project post-project report has been submitted to and approved by the City. For grants given to assist in capital purchases or printed material, please append an example and/or colour photo of the item(s).

Submit the following required attachments with your application:

- i) Detailed project costs
- ii) Financing arrangements (e.g., equity, loans, etc.) and funding partners
- iii) In-kind contributions
- iv) Balance, Financial Statements, Cash flow projections (historical and projected), where appropriate
- v) Demonstrated need for assistance and supporting documentation and applications to other government assistance programs, etc.



## **Section 5: Environmental Benefits**

**Please select the category that your project best falls under (check all that apply)**

**Description of how the project achieves environmental sustainability, such as a reduction in GHGs, improvement in water quality, energy efficiency, healthy and resilient ecosystems, including habitat restoration, active transportation and/or waste reduction.**

This project will contribute to environmental sustainability by increasing awareness of the environmental actions taken in Sault Ste. Marie and Algoma district and by promoting citizen involvement in local environmental efforts. The database will track key data on emissions reductions, conservation projects, and sustainability practices in the community. The exhibit itself will showcase sustainable practices, including how individuals and groups can contribute to ongoing efforts in Sault Ste. Marie and region. Furthermore, the educational outreach aspect will encourage students to take part in environmental actions, such as citizen science and local sustainability initiatives.

## **Section 6: Community Benefits**

**How does the project complement other local initiatives?**

This project complements local efforts by creating an educational platform that integrates existing environmental sustainability work. It will support the city's long-term sustainability goals by encouraging public participation and raising awareness. Through collaboration with local schools and organizations, this project enhances and extends the impact of other local environmental programs. The project also contributes to the sustainability of the Sault Ste Marie Museum. There are 2 references to collaborative approaches for environmental sustainability that are included in the City's Climate Plan: 1) Northern Climate Change Network which includes 5 Northern Ontario cities, and; 2) the Partners For Climate Change Protection which includes 400 Canadian municipalities. Both of these examples illustrate the merit in a collaborative approach such as we are proposing.

**What is the anticipated impact on the community as a whole from your planned project?**

The project will increase public awareness about local environmental issues and create a sense of collective responsibility for sustainable practices. The exhibit will inspire action and connect individuals to volunteer opportunities, including citizen science, while fostering a greater sense of community engagement around environmental issues.

There are numerous references to partnerships and collaborative approaches that are included in the City's Sustainability Report of 2024. This further illustrates that the approach we are proposing to create a consortium of environmental organizations, businesses and government departments is in sync with the City's approach.

**If applicable, how does your project plan to increase environmental sustainability education and awareness in our community?**

The museum will host events and outreach programs, promoting the project via local media, social media, and collaborations with schools and colleges. The exhibit will be interactive, providing



visitors with hands-on experiences and opportunities to contribute to ongoing environmental efforts.

### Section 7

I UNDERSTAND that by signing this application, I agree that my project:

- Has a distinct start and end date within the year that the grant is provided.
- Has specific deliverables based on the project.
- Will benefit the residents of Sault Ste. Marie.
- City of Sault Ste. Marie property held by the organization must have a current and up-to-date tax payments upon the City's receipt of application. Through the grant period, tax payments must be maintained and up-to-date. Organizations whose property taxes are in arrears will not be considered for this program. Organizations who default on their property taxes through the grant period will not receive any payment from the City of Sault Ste. Marie, and the grant agreement may be terminated immediately.

I CERTIFY that to the best of my knowledge, the information provided in the Green Initiatives Program Fund application is accurate and complete and is endorsed by the organization society or City department, which I represent.

DATED in Sault Ste. Marie, this 29th day of May 2025

NAME	Title	Signature	Phone Number
Michael Delfre	Chair		705-542-8484

### PLEASE RETURN THIS FORM AND RELATED SUPPORTING DOCUMENTATION TO:

Emily Cormier  
Sustainability Coordinator, Community Development & Enterprise Services  
99 Foster Drive, Level 1  
Sault Ste. Marie, ON P6A 5X6  
Telephone inquiries: (705) 989-8748  
Email: [e.cormier2@cityssm.on.ca](mailto:e.cormier2@cityssm.on.ca)

**INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.**

### FOR OFFICE USE ONLY

Application Received By: Emily B. Cormier Date: 2025 06 30

### Collection of Personal Information Notice

Personal information of the Green Initiative Fund Application is collected under the authority of the Municipal Freedom of Information and Protection of Privacy ACT R.S.O. 1990 m.c.M.56 and will be used solely to determine applicable information necessary for application. Questions about this collection should be directed to the address noted in the Competition Outline.





**Scope:** ○ Phase 1 (database development) & phase 2 (exhibit development) of the environmental consortium development project

Page 25 of 95



## Quote

Chris Lee's Insectopia  
705 500-1294 - [bugchrislee@gmail.com](mailto:bugchrislee@gmail.com)  
June 9, 2025

Project : Soo Museum - Environment Consortium

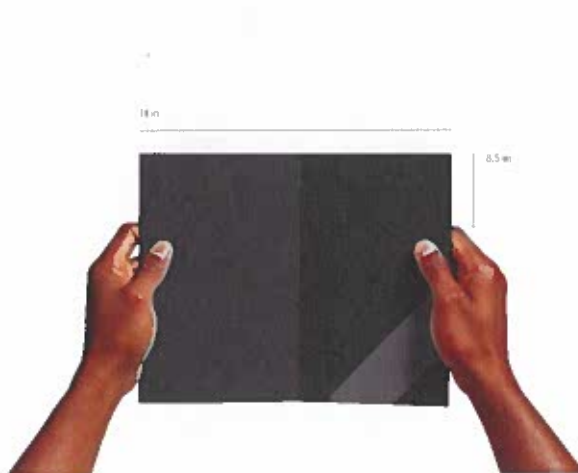
To: Assist in co-ordination throughout phase 1 and 2 of the establishment of the Sault environment consortium. Establish database development, exhibit design and event logistics

Consultant fees: Phase 1- June-September 2025- 100 hours @\$20 per hour	\$2000
Consultant fees: Phase 2- October- December 2025 350 hours @\$20/hour	<u>\$7000</u>
Total	\$9000



## QUOTES FOR GIF

Home > Marketing Materials > Brochures > Tri-Fold Brochures



### Tri-Fold Brochures



★★★★★ 4.8 (10)

Say more in a compact tri-fold design. 3 sizes and 6 panels give you room for everything you need to say. Display and engage.

[See details](#)

[View Specs & Templates](#) to create your print-ready file.

#### Unfolded Size

8.5" x 11"

#### Paper Thickness

Standard

#### Paper Stock

Matte

#### Quantity

5,000 (\$0.17 / unit)

5,000 starting at \$847.00

Get it as soon as **Tuesday, 10 Jun to \$448.183**  
Free shipping by Friday, 13 Jun to M4B 1B3

Home > Signs & Banners > Retractable Banners



### Retractable Banners

★★★★★ 4.4 (682)

New Coating Available

Just unroll and get ready for customers to roll on in. Pre-assembled with front-side print on.

[See details](#)

[View Specs & Templates](#) to create your print-ready file.

#### Size

24" x 62"

24" x 81"

33" x 81"

47" x 81"

Incompatible

#### Cassette

Standard

#### Material

Vinyl

Polyester Fabric

Cassette Colour: Silver Aluminum



#### Quantity

4 (\$152.00 / unit)

4 starting at \$608.00

Chat with us

Tablet, 10 Inch Tablet Android 14 with Octa Core, 12GB RAM+128GB ROM(Expand to 1TB), 1280 \* 800 IPS HD Display Android Tablets, Dual 5MP+8MP Camera, 6000mAh, 5G/2.4G WiFi(Black) : Amazon.ca: Electronics



Date: June 4, 2025

To: Mike Delfre  
Director, Sault Ste. Marie Museum  
690 Queen St. E. Sault Ste. Marie, ON P6A2A4

Subject: Letter of Support - The Future of Environmentalism in Sault Ste. Marie & Algoma

Dear Mr. Delfre

I am writing for the Sault Ste. Marie Innovation Centre (SSMIC) and its Rural Agri Innovation Network (RAIN) to confirm our support for The Future of Environmentalism in Sault Ste. Marie and Algoma. The project will unite local groups, highlight their work, and help everyone focus resources on shared goals. We can contribute in the following ways:

Contribution	Details
Data-sharing	Provide agri-food and environmental datasets (e.g., food-rescue flows, watershed projects)
Stakeholder connections	Facilitate introductions to Lake Huron North Collaborative members (hosted by SSMIC) to ensure engagement and buy-in.
Exhibit content & artifacts	Provide infographics, and archival photos illustrating local environment impact work.
Promotion & outreach	Feature milestones in newsletters, social media, and partner listservs; assist with exhibit marketing.

SSMIC already gathers partners through the Lake Huron North Collaborative. We will join Clean North and others to explore how a new environmental nonprofit can add value without overlapping current programs. Our support depends on a clear, consensus based process led by the sector.

We look forward to working with you and the Museum team. Please share the timeline and any technical details as they become available.

Sincerely,



David Thompson  
Vice President, Programs - SSMIC  
[dthompson@ssmic.com](mailto:dthompson@ssmic.com) | 705-942-7927 x3027







**Sault Ste. Marie Region  
Conservation Authority**

[nature@ssmrca.ca](mailto:nature@ssmrca.ca)

Phone (705) 946-8530

Fax (705) 946-8533

1100 Fifth Line East

Sault Ste. Marie, ON P6A 6J8

May 28, 2025

**Sent via email**

Mike Delfre, Chair, Sault Ste. Marie & 49th Field Regiment RCA Historical Society Board of Directors

**Re: A Project To Create an Environmental Action Consortium For Sault Ste. Marie and Algoma**

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To whom it may concern,

The Sault Ste. Marie Region Conservation Authority (SSMRCA) confirms their support of the application to the Green Initiatives Fund by the Sault Ste. Marie Museum to create an environmental organization database, exhibit and not for profit consortium. The SSMRCA believes these initiatives will assist to engage community residents in environmental activity and citizen science and help to raise the profile of the environmental sector locally.

The SSMRCA is one of 36 Conservation Authorities located across Ontario. After over 60 years of service to our local community, the SSMRCA is recognized for our achievements in providing comprehensive watershed management, access to our Conservation Areas, recreation and education opportunities, planning and development regulatory control, forestry and stewardship programs and drinking source water protection to our local community.

The Sault Ste. Marie Museum's proposal addresses the need for a formal, incorporated structure that could help to create the synergy, critical mass and high profile that could help to advance the collective interests within the regional environmental sector.

The SSMRCA fully supports the Museum's application. Please do not hesitate to contact me if you have any additional questions.

Yours truly,

A handwritten signature in black ink, appearing to read 'C Barrett'.

Corrina Barrett

General Manager, Sault Ste. Marie Region Conservation Authority

Phone: 705-946-8530 ext. 1005

Email: [cbarrett@ssmrca.ca](mailto:cbarrett@ssmrca.ca)



1100 Fifth Line East  
Sault Ste. Marie, ON  
P6A 6J8



705-946-8530

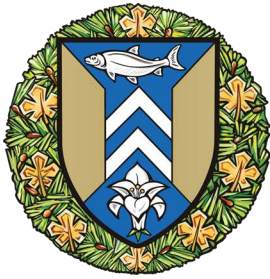


[nature@ssmrca.ca](mailto:nature@ssmrca.ca)



[www.ssmrca.ca](http://www.ssmrca.ca)





**The Corporation of the City of Sault Ste. Marie**  
99 Foster Drive, Sault Ste. Marie, Ontario P6A 5X6  
saultstemarie.ca | 705.759.2500 | info@cityssm.on.ca

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### **Post Grant Report**

The purpose of the Post Grant Report is to provide accountability to the City of Sault Ste. Marie for the financial assistance that was received.

Date of Grant: February 1, 2024

Amount: 1971.71

Or In-Kind Service Provided: \_\_\_\_\_

Type of Grant: ☐ Cultural/Arts Organization  
☐ Sports Organization  
☒ Other

Purpose of Grant as per original application:

LED Retrofit Program at the Sault Ste. Marie Museum: This grant was to replace 156 bulbs to new LED bulbs within the Museum galleries, making the Museum 100% LED and allowing the Museum to work towards more greener and energy efficient operations.

Did the use of the Grant deviate from original purpose? If so, please explain what grant was used for.

No.

Please provide details how the grant affected the activities of your organization.

This project is expected to reduce the Sault Ste. Marie Museum energy consumption by 2,585 kWh a year total (or 0.07 tCO<sub>2</sub>e) or \$336.05 in energy savings a year. This will be done via the replacement of all outdated bulbs within gallery spaces with new LED bulbs, making the Museum 100% LED. The new lighting has made the galleries more accessible as well, providing more bright, clear lighting. This has mitigated UV exposure. If grant was for a one-time event, please provide a summary of expenditure and copies of invoices supporting the grant amount.

Name: William Hollingshead Title: Executive Director & Chief Curator

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*\* A Post Grant Report must be submitted no later than September 1st for financial assistance that was received in the current year, if applicable. No further grants will be awarded until Post Grant Report is received.*

## **CDF – Green Initiatives Program Fund Overview**

### **1.0 Purpose**

The purpose of the Green Initiatives Program of the Community Development Fund (CDF) is to support green initiatives that result in improved environmental sustainability in Sault Ste. Marie.

### **2.0 Policy**

The City of Sault Ste. Marie's (the City) Environmental Sustainability Committee (ESC) may recommend the allocation of funds for eligible projects or programs that support of the City's environmental plans and practices, in particular the reduction of greenhouse gas (GHG) emissions and other community environmental sustainability activities.

Funding applications will be reviewed by the ESC in accordance with the CDF – Green Initiatives Program guidelines and will be recommended to Council for approval.

Total funds available for all projects under the CDF – Green Initiatives Program is \$50,000. This amount will be reviewed on an annual basis.

### **3.0 Definitions**

3.1 "Environmental sustainability" means: projects that support reducing our community GHG emissions and reducing pollution, maintaining our natural environment and managing the use of natural resources in a way that ensures their availability for future generations.

3.2 "Eligible Applicant" means either a:

- i. Incorporated Not-for-profit organization
  - ii. Unincorporated organization/collective – must be composed of at least 2 members and have been active as a group for at least 1 year
  - iii. Local School or School Group / Committee
  - iv. City of Sault Ste. Marie Department
- "Eligible Project" means any project or activity that demonstrates environmental benefits or improvements and is consistent with City policies, and may include, but is not limited to greenhouse gas (GHG) reduction, improving water quality / rehabilitation, increases energy efficiency, healthy and resilient ecosystems, including habitat restoration active transportation or waste reduction.

## **3 Processing for Evaluating Proposals**

4.1 The Community Development and Enterprise Services Department (CD&ES) will provide the resources to support the intake of applications and support the proponent(s) in the development of their proposal.

4.2 City Finance and CD&ES will provide recommendations regarding economic resources available and related concerns (e.g., due diligence collaboration, risk management, etc.)

4.3 Once an application has been deemed eligible and complete by City staff, applications will be reviewed with the Environmental Sustainability Committee for recommendation to City council.

4.4. All requests will be presented to Council in writing with supporting presentations by the applicant, if required. A copy of the application will be included in the Council package, which is public. Any confidential material to support the application should be contained in a separate document and marked confidential.

4.5 City Council will make the final decision regarding the approval of financial contributions.

#### 4 Accountability, Monitoring and Reporting of Results

The following will be expected from the successful applicants:

5.1 Recognition of the Community Development Fund contribution to the project in reports and appropriate marketing products, including the City logo.

5.2 Progress reports for longer duration projects as outlined in their application timetable and proposal to City Council.

5.3 A final project report containing an evaluation of the success of the initiative in meeting its goals and key performance targets as well as the benefits to the community is required within 60 days of project completion.

5.4 A complete report of all revenues and disbursements for the project within 6 months of completion of the project. The City Finance Department will require supporting financial documentation (e.g. paid invoices, etc.) and has the right to review or audit projects.

The Green Initiatives funds are provided on a re-imbursement basis, i.e., an organization incurs the cost, provides invoices to the City in a claim report and the City's contribution level to the project is then provided. Where other levels of government or other funding programs are involved, the City will receive claim packages as submitted to the other funding agencies and pay their proportional share of approved and eligible project costs.

## **Community Development Fund Application Form**

### **Green Initiatives Stream**

Before filling out an application, please discuss your project and/or activity with Community Development and Enterprise Services (CD&ES) staff. Contact information is available in Section 7 of the application. Staff will help guide potential applicants through the process and answer any questions regarding the program and application form.

Please fill in each of the following sections:

#### **Section 1: Intakes**

Applications will be accepted quarterly every year and recommended for Council approval by the City's Environmental Sustainability Committee (ESC) at their quarterly meetings. Please select the intake round you wish to apply for funds.

<b>Intake</b>	<b>Submission Period</b>	<b>Application Due</b>	<b>ESC and Council Review</b>	<b>Project Implementation</b>
<input type="checkbox"/> Q1	January 1 – March 31	Last Friday in March of each calendar year	April	After May 1
<input checked="" type="checkbox"/> Q2	April 1 – June 30	Last Friday in June of each calendar year	July	After August 1
<input type="checkbox"/> Q3	July 1 – September 30	Last Friday in September of each calendar year	October	After November 1
<input type="checkbox"/> Q4	October 1 – October 31	Last Friday in October of each calendar year	November	After December 1

#### **Section 2: Applicant Information**

**Please select which type of organization you represent:**

- ☐ Incorporated Not-for-profit organization
- ☐ Unincorporated organization/collective – must be composed of at least 2 members and have been active as a group for at least 1 year
- ☐ Local School or School Group / Committee
- ☒ City of Sault Ste. Marie (list Department):

Organization/Collection/School/School Group Name: The City of Sault Ste. Marie  
Address: 99 Foster Drive, Sault Ste. Marie, ON, P6A 5X6  
Phone Number: 705 989 7915  
Contact Name: Travis Anderson  
Email: [t.anderson@cityssm.on.ca](mailto:t.anderson@cityssm.on.ca)

**Names of Organization Officers, Directors & Principals (if applicable):** n/a

**Briefly describe the function or purpose of your organization (e.g. include a short history, mandate, goals and objectives)**

The City of Sault Ste. Marie is a single-tier municipality located in Northern Ontario. The City was incorporated in 1912.

#### Our Vision

To be the leading innovative, dynamic and efficient municipal corporation in the Province of Ontario.

#### Mission Statement

To promote, encourage and lead economic and social growth within our community through the effective provision of municipal services and the development of community partnerships.

**Contributing partners (elaborate on the partner (name), type of partnership (e.g. joint venture, in-kind organization) or proposed collaboration, and provide references):**

**1. Sault Naturalists**

Ron Prickett, Executive Director President/Facebook co-editor

P: (705) 254-1533

E: [ron\\_prickett@yahoo.ca](mailto:ron_prickett@yahoo.ca)

**2. Sault College**

Lynn Goulding, School of Natural Environment, Faculty

443 Northern Ave E

Sault Ste. Marie, ON, P6B 0A9

P: 705-759-2554 X : 2638

E: [lynn.goulding@saultcollege.ca](mailto:lynn.goulding@saultcollege.ca)

### **Section 3: Project Information**

**Please provide key information about your project including: project description, objectives, performance targets, impacts and limitations of project, methodology and timing (including key dates for progress reports and final report to council)**

#### Background

Sault Ste. Marie is a beautiful community and is surrounded by nature. The St. Mary's River is a key natural asset and one the City hopes to maintain as a vibrant flourishing area for many years. Located in the heart of the Great Lakes where Lake Superior flows into Lake Huron, maintaining the water quality is a priority in the City's Waterfront Masterplan, which was just approved by City Council in June 2025<sup>1</sup>. Introducing a floating wetland was one attribute of the plan that Tourism Sault Ste. Marie (TourismSSM) is hoping to work on as one of the first elements of waterfront redevelopment plans.

The St. Mary's River is a critical waterway for many ecosystems as it promotes biodiversity in our community. Improving the water quality levels would increase the importance of this natural and culturally significant water feature. Excess nutrients in waterways fuels the growth of algae blooms which can be harmful to aquatic life and human health. As the St. Mary's River is a central feature of our community, improving the water quality is a priority to all.

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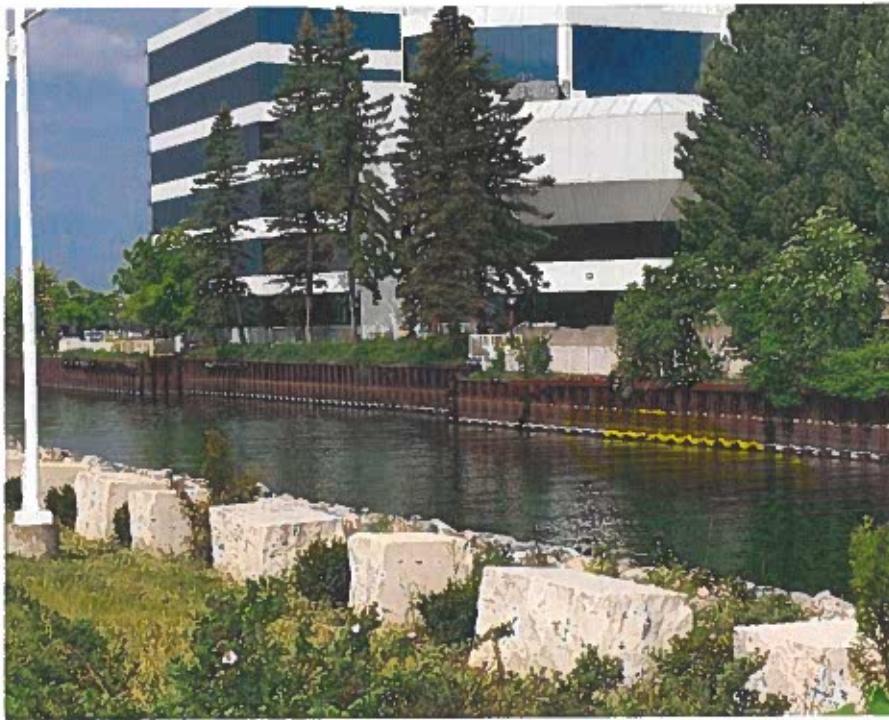
<sup>1</sup> <https://www.sootoday.com/local-news/citys-waterfront-plan-will-change-downtown-traffic-patterns-10747182>



## Project Overview

Floating Wetlands can help to improve water quality and enhance surrounding ecosystems. The scope of this project is to install a 2m x 2m pilot floating modular wetland in the channel extended from the St. Mary's River beside city hall to restore and strengthen the ecosystems in that area. Figure 1 shows the proposed location.

Figure 1: Proposed Pilot Floating Wetland Location



Outreach to other municipalities who have installed floating wetlands and vendors was conducted as part of the research for this project. One vendor did respond, which is Atlan Stormwater. They are an Australian based company that has acquired a distributor in Cobourg, ON, *Aquatic Aeration Solutions*. This company specializes in aeration products and services that will improve your water and wastewater quality. See Appendix A of this application for more details and images on the Atlan Stormwater products.

The Floating Treatment Wetland will be installed in the river channel beside City Hall to strengthen ecosystems and improve water quality. The unit will be maintained throughout the year by TourismSSM and partners including the Sault Naturalists and Sault College School of Natural Environment for annual trimming and overall maintenance. The system also does not need to be removed from the water over the winter.

## Performance Target

The implementation of the pilot project will evaluate the floating wetland systems potential for improving water clarity, supporting native plant growth, and enhancing aquatic habitat. Key targets include a healthy establishment of wetland vegetation with at least 80% survival, visible root and biomass development, and stable structure under typical flow conditions. It is also expected that the floating wetland will attract small aquatic species and require minimal maintenance. As a pilot,



it will help assess feasibility for larger-scale installations and serve as a visible, community-engaging demonstration of nature-based solutions. Outreach to the City's Public Works department is also underway for potential use at Bellevue Park.

### Impacts and Limitations

The floating wetland pilot project seeks to improve local water clarity, provide habitat for small aquatic species, and support native plant growth, offering both ecological and educational value. However, its small size means its impact is limited to the immediate area, and it may not produce noticeable changes in overall water quality. The system may require occasional maintenance, especially after storms or seasonal changes, and its performance can vary depending on flow conditions and temperature. Despite these limitations, it serves as a useful pilot to test feasibility and raise community awareness of nature-based solutions. Additional limitations to this project include winter maintenance as the floating treatment wetland will remain in the channel year-round. There may also be potential damage from wildlife including otters, birds, etc.

### Methodology

The pilot floating wetland project will follow a phased implementation plan, beginning with site preparation within the proposed channel of the St. Mary's River, likely in the spring of 2026. A 2m x 2m modular wetland platform will be assembled using durable, buoyant materials and planted with hardy native wetland species suited to local conditions, in particular a series of rushes and sedges suitable for the Northern Ontario climate. The structure will be securely fastened to the wall to maintain stability during changing water levels or moderate flow. Installation will be timed to coincide with the growing season to maximize plant establishment.

To support community awareness, an interpretive sign will be installed nearby in English, French, and Anishinaabemowin, offering information about the purpose, function, and ecological value of the floating wetland. Following deployment, the system will be monitored monthly for plant health, structural integrity, and signs of habitat use by aquatic species. Observations will include visual assessments of water clarity, root growth, and wildlife interactions. Maintenance will be minimal but may include replanting, debris removal, or adjustments to anchoring as needed. Findings from the pilot will inform recommendations for scaling up or replicating the project in other suitable areas of the river.

### Schedule

The project schedule begins in July 2025 with the purchase of materials, including the floating treatment wetland structure and informational signage, along with initiating a review process with Transport Canada. Two implementation options are being considered. The first is to proceed with installation between July and August 2025, aiming to complete the setup before the end of summer; however, this timeline may limit plant establishment due to the missed growing season. Alternatively, the project may be postponed to May 2026, allowing for optimal planting conditions and a more successful launch. In this scenario, installation would take place in early May, followed by a public grand opening event at the end of the month to showcase the project and engage the community.

**Outline your communication strategy for promoting the project you are seeking GIF for (e.g., press release, social media post, community event, etc.) and any plans to ensure that the project is brought to the attention of the community. Please also include the target**

**audience of your project and anticipated impact (e.g., education, awareness, reduced emissions, water quality improvement)**

TourismSSM aims to communicate this project to the entirety of our community through a multi-platform strategy that includes educational social media posts, press releases, website updates, and on-site signage. A key feature will be an informative sign installed near the floating wetland in English, French, and Anishinaabemowin, ensuring accessibility and cultural inclusion. We also plan to host a community event or grand opening to celebrate the installation and raise awareness of the project's goals. Our target audience includes local residents, schools, environmental groups, and visitors to the area. The anticipated impacts of this communication strategy include increased public awareness of nature-based solutions, education on the role of wetlands in improving water quality, and community engagement in local environmental stewardship.

#### **Section 4: Costs and Financing**

**Total amount of assistance requested: \$9,011.72**

**Please specify as accurately as possible how the Green Initiatives Fund will be used if approved. Requests for capital purchases or printed material must include a minimum of one quote from a firm/business to provide the service/material.**

The funds will be used to purchase a 2m x 2m floating treatment wetland that will be installed and maintained by Tourism SSM and partners in the channel beside city hall. We will also be purchasing a 2 x 3 ft sign to educate the community on the benefits of the floating treatment wetland. The photo below shows where the floating treatment wetland will be placed as well as the informational signs. The funds will also be used to obtain a review and approval by Transport Canada.

#### **Exhibit 1: Floating Treatment Wetland and Sign (x) Location**



**If you are a City Department, please elaborate on how you plan to use this request to build a pathway into future operating and/or capital budgets. Please also tie this into the environmental sustainability section of the corporate strategic plan.**

By successfully implementing this floating wetland pilot project, City staff aim to demonstrate its value not only as a standalone initiative but also as a model for future operational and capital

planning. The project aligns with the City's broader environmental sustainability goals outlined in the corporate strategic plan. The installation of the floating wetland supports the City's commitment to improving water quality, enhancing urban biodiversity, and promoting nature-based climate resilience. Positive outcomes from this initiative will inform and support future budget requests for expanded implementation of green infrastructure solutions.

**Does your organization currently receive other financial assistance from the City, either in-kind or direct funding?**

- ☒ Yes  
☐ No

**If yes, please specify:**

We are a department of the City of Sault Ste. Marie

**Have you received Green Initiative funding from the City previously?**

- ☐ No  
☒ Yes      ☒ Amount (\$): \$1,750

Project Title / Description: Clear Your Gear fishing line recycling. See attached Post Grant Report.

What was the last year received: 2023 (specify year)

If yes, for the last year that the grant was received, append a copy of a Post-Project Report. Please note that applicants can apply more than once a year, providing their last project post-project report has been submitted to and approved by the City. For grants given to assist in capital purchases or printed material, please append an example and/or colour photo of the item(s).

Submit the following required attachments with your application:

- i) Detailed project costs
- ii) Financing arrangements (e.g., equity, loans, etc.) and funding partners
- iii) In-kind contributions
- iv) Balance, Financial Statements, Cash flow projections (historical and projected), where appropriate
- v) Demonstrated need for assistance and supporting documentation and applications to other government assistance programs, etc.

## **Section 5: Environmental Benefits**

Please select the category that your project best falls under (check all that apply)

- ☐ Greenhouse Gas Reduction (if your project will reduce GHGs in Sault Ste. Marie, please indicate the estimate reduction in tonnes of carbon dioxide equivalent (tCO<sub>2</sub>e) \_\_\_\_\_)
- ☒ Improves water quality / rehabilitation
- ☐ Increases energy efficiency
- ☒ Healthy and resilient ecosystems, including habitat restoration
- ☐ Active Transportation
- ☐ Waste Reduction

**Description of how the project achieves environmental sustainability, such as a reduction in GHGs, improvement in water quality, energy efficiency, healthy and resilient ecosystems, including habitat restoration, active transportation and/or waste reduction.**

This pilot project will install a 2m x 2m floating wetland in the channel off the St. Mary's River beside City Hall. It will enhance environmental sustainability by naturally improving water quality through phytoremediation, reducing pollutants such as excess nutrients and sediment. By fostering native wetland vegetation, it will create new aquatic habitat, supporting biodiversity and strengthening the local ecosystem's resilience to climate change. Additionally, this nature-based solution helps reduce greenhouse gas emissions by promoting carbon sequestration and avoiding energy-intensive water treatment methods. The project serves as a replicable model for sustainable urban water management and ecological restoration elsewhere in the community.

## **Section 6: Community Benefits**

**How does the project compliment other local initiatives?**

This project ties into the Waterfront Design Plan which identified floating treatment wetlands and improved water quality as a focus in the plan. This project also aligns with the community celebration of World Water Day that was held on March 22, 2025, highlighting local water quality issues with a focus on protecting our waterways. We strive to encourage and inform our community on the importance of clean water and this project will allow us to improve the water quality while also educating the community.

The project also aligns with several aspects of the Sault Ste. Marie Community Greenhouse Gas Reduction Plan: 2020 - 2023. These principles highlight a series of reoccurring opportunities that integrate with climate change action. Specifically, this project aligns with environment/habitation protection, health, education and awareness, community pride, and economic development.

**What is the anticipated impact on the community as a whole from your planned project?**

The floating wetland will provide visible environmental and educational benefits to the community. It will enhance the natural beauty of the channel beside City Hall, creating a greener, more inviting public space. The project will raise awareness of local water quality issues and nature-based solutions, offering opportunities for community engagement, education, and stewardship. By restoring habitat and improving ecosystem health, the project contributes to community well-being and resilience. As a pilot initiative, it also lays the groundwork for future environmental innovation and investment in green infrastructure across the

**If applicable, how does your project plan to increase environmental sustainability education and awareness in our community?**

To increase environmental sustainability education and awareness, the project will include a prominently placed informational sign near the floating wetland. The sign will explain how floating wetlands work, their benefits to water quality and local ecosystems, and their role in climate resilience. This passive educational tool will engage residents and visitors, encouraging greater understanding of nature-based solutions and inspiring community interest in environmental stewardship. The project may also serve as a platform for future guided tours or school programming focused on sustainability and local ecology.

## **Section 7**

I UNDERSTAND that by signing this application, I agree that my project:

- Has a distinct start and end date within the year that the grant is provided.
- Has specific deliverables based on the project.
- Will benefit the residents of Sault Ste. Marie.
- City of Sault Ste. Marie property held by the organization must have a current and up-to-date tax payments upon the City's receipt of application. Through the grant period, tax payments must be maintained and up-to-date. Organizations whose property taxes are in arrears will not be considered for this program. Organizations who default on their property taxes through the grant period will not receive any payment from the City of Sault Ste. Marie, and the grant agreement may be terminated immediately.

I CERTIFY that to the best of my knowledge, the information provided in the Green Initiatives Program Fund application is accurate and complete and is endorsed by the organization society or City department, which I represent.

DATED in Sault Ste. Marie, this 30 day of June, 2025

Name: Travis Anderson

Title: Director of Community Development & Tourism

Signature: 

Phone Number:

**PLEASE RETURN THIS FORM AND RELATED SUPPORTING DOCUMENTATION TO:**

Emily Cormier

Sustainability Coordinator, Community Development & Enterprise Services

99 Foster Drive, Level 1

Sault Ste. Marie, ON P6A 5X6

Telephone inquiries: (705) 989-8748

Email: [e.cormier2@cityssm.on.ca](mailto:e.cormier2@cityssm.on.ca)

**INCOMPLETE APPLICATIONS WILL NOT BE CONSIDERED.**

**FOR OFFICE USE ONLY**

Application Received By: Emily B. Cormier Date: 2025 06 30

**Collection of Personal Information Notice**

Personal information of the Green Initiative Fund Application is collected under the authority of the Municipal Freedom of Information and Protection of Privacy ACT R.S.O. 1990 m.c.M.56 and will be used solely to determine applicable information necessary for application. Questions about this collection should be directed to the address noted in the Competition Outline.

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**Appendix A: The Product**

Company: Atlan Stormwater

<https://atlanstormwater.com/>

Distributor: Aquatic Aeration Solutions

<https://aquatic-aeration-solutions.com/floating-wetlands>

Floating Treatment Media has proven itself a very efficient, low-cost way to enhance municipal wastewater treatment plants. You can retrofit it to existing facilities with minimal cost or long-term overheads – or work the media into the design of new facilities with low operational costs.

You can use it in any water environment requiring treatment. It is remarkably effective in reducing excess nutrients and removing sediment from the water column, improving water quality overall. Floating wetlands also provide additional aesthetic and habitat for wildlife.



Exhibit 1: Product Image



Exhibit 2: Product Installed



Floating Treatment Wetland Budget

Scope: Pilot Floating Treatment Wetland to improve water quality.

Line No	Item	Units	Unit Cost	Non-rebatable HST (include the % of HST that you do not receive as a rebate as a non-profit)	Total Cost	Notes and/or Description
1	Aquatic Aeration Solutions - Allan Floating Wetland	1	\$ 8,944.40	\$ 71.08	\$ 7,018.38	See attached quote (SSM FTW 2m x 2m project)
2	Transport Canada	1	\$ 1,400.00	-	\$ 1,400.00	
3	Graphic Designer	1	\$ 375.00	-	\$ 375.00	See attached quote (Floating Wetland Project Design Quote)
4	Compass Imaging Sign Printing	1	\$ 220.34	20.34	\$ 220.34	Approximate cost, waiting on quote.
				TOTAL	\$ 9,011.72	

Line No	In Kind	Units	Unit Cost	HST	Total Cost	Notes





# Aquatic Aeration Solutions

4270 County Rd 45, Cobourg, ON K9A 0X2

tel: 905-269-6518 email: aquatic.aeration.solutions@gmail.com

web: aquatic-aeration-solutions.com

Hannah Grisdale  
Sustainability Project Assistant  
Community Development & Enterprise Services  
City of Sault Ste. Marie  
99 Foster Drive  
Sault Ste. Marie, ON P6A 5X6

**Quote**  
**25-0619-001**

June 19, 2025

tel: (705) 759-5400

email: enviro.student@cityssm.on.ca

Qty	Description	Price	TOTAL
	<b>City of Sault Ste. Marie - Waterfront Project</b>		
8	Allan Floating Wetland Modules Module Size: 35 in / 897 mm Growing Area: 23 in / 557 mm Proposed Area: 2m x 2m 4 sq m = 43 sq feet	\$235.00	\$1,880.00
1	Anchoring/Tethering Materials 2 - 1/4" x 50' Galvanized Cable 8 - 2 pk 1/4 in. Wire Rope Clips 2 - 5 pc Black Plated Carabiner Set 4 - Tensile Galvanized Shackles 1/2" 4 - 1 x 8 in. Eye Bolt with Nut 2 - 10 pk 5/8 in. SAE Lock Washers	\$265.00	\$265.00
8	Aquatic Planting Soil	\$18.00	\$144.00
8	Pea Gravel	\$12.00	\$96.00
32	Plants - assorted rushes and sedges selected for specific Ontario Zone 4 - Sault Ste. Marie	\$17.95	\$574.40
1	Installation Supervision Assistance with planting and installation of Floating Treatment Wetland Modules.	\$2,485.00	\$2,485.00
	<b>Delivery Estimated August</b>		
	<b>Changes to Installation Scope of Work Defined</b>	subtotal	\$5,444.40
	<b>will result in Additional Charges to Materials and Labour</b>	Shipping	\$1,500.00
	<b>Prices Valid for 30 days from Date of Quotation</b>	HST	\$707.77
	<b>Shipping to be determined</b>	TOTAL	\$7,652.17

HST # 80552 5243

Aquatic Aeration Solutions



## Emily Cormier

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**From:** NPP ONT / PPN ONT <NPPONT-PPNONT@tc.gc.ca>  
**Sent:** Thursday, June 26, 2025 8:31 AM  
**To:** Emily Cormier  
**Subject:** RE: [External/Externe]: RE: Floating Wetland in St. Mary's River In-Water Work Consultation Outreach

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

This email originated outside of the Corporation of the City of Sault Ste. Marie.  
Do not open attachments or click links unless you verify the sender and know the content is safe.

UNCLASSIFIED / NON CLASSIFIÉ

Good morning Emily,

The small channel where the project is proposed is still part of the St. Mary's River. As outlined in the previous email, St. Mary's River is classified as a scheduled waterway, therefore the floating wetlands (platform) will require review and approval under the Canadian Navigable Waters Act. Commercial traffic may not necessarily operate in that portion of the St. Mary's River, but it is still considered "Navigable" as per the definition in the CNWA.

We can confirm that you are not a Minor Work, nor a Major Work, you are on a scheduled waterway and the work DOES create an interference to navigation, as it will affect the available horizontal clearance in the watercourse.

I've included some information below when someone can consider a work that doesn't interfere with navigation.

### **When can you consider that your work doesn't interfere with navigation?**

You may consider that your work doesn't interfere with navigation when your work has no potential interference with adjacent navigable waterways or their use for travel or transport, for commercial or recreational purposes. This means the work does not change any components of the waterway (width, depth, bank characteristics, bottom characteristics, slope, sinuosity, levels, flows, waves or tidal effects) or the navigation clearance available for vessels either during or following construction. Any temporary work associated with your work, or the chosen methodology, must not interfere with navigation as well.

As previously mentioned, this project will affect the available horizontal clearance in the watercourse, which changes a component of a waterway, not meeting a No Interference option or exemption. Therefore, the floating wetlands (platform) will require review and approval under the Canadian Navigable Waters Act, and you must submit an application.

Once an application has been submitted, it will go through a screening process to ensure all the documents needed have been submitted, then to an Officer for review and approval. Please note, that there is a 90-day

turnaround on the issuance of approval, and this does not include time required by our Indigenous Relations Unit or Environmental Assessment (if needed).

Thank you,

---

**From:** Emily Cormier <e.cormier2@cityssm.on.ca>  
**Sent:** Wednesday, June 18, 2025 3:48 PM  
**To:** NPP ONT / PPN ONT <NPPONT-PPNONT@tc.gc.ca>  
**Cc:** Travis Anderson <t.anderson@cityssm.on.ca>  
**Subject:** RE: [External/Externe]: RE: Floating Wetland in St. Mary's River In-Water Work Consultation Outreach  
**Importance:** High

Hi Katie,

The small channel where this project is being proposed not cause any interference to navigation as no commercial navigation currently takes place in it. Furthermore, there is no mooring or docking in the channel. I measured the channel area on Google Earth and its coming in as an approx. 1,794.88 m2. Length is approx. 115.47 m a width is approx. 17.49 m. Estimated depth looking is max 6ft. It is very shallow.

With this additional information, please confirm that this project would be exempt. As well, we have skimmed down the project size to 2 m x 2 m.

Thank you.

Best Regards,  
Emily

---

**From:** NPP ONT / PPN ONT <NPPONT-PPNONT@tc.gc.ca>  
**Sent:** Wednesday, June 18, 2025 3:33 PM  
**To:** Emily Cormier <e.cormier2@cityssm.on.ca>  
**Subject:** RE: [External/Externe]: RE: Floating Wetland in St. Mary's River In-Water Work Consultation Outreach

This email originated outside of the Corporation of the City of Sault Ste. Marie.  
Do not open attachments or click links unless you verify the sender and know the content is safe.

UNCLASSIFIED / NON CLASSIFIÉ

Good Afternoon Emily,

St. Mary's River is classified as a scheduled waterway, therefore the floating wetlands (platform) will require review and approval under the Canadian Navigable Waters Act.

You can apply by logging in and creating an account at [Apply to the Navigation Protection Program](#).

You will be asked to complete the Project Review Tool, to which I can confirm that you are not a Minor Work, nor a Major Work, you are on a scheduled waterway and the work DOES create an interference to navigation, as it will affect the available horizontal clearance available in the watercourse.

The cost is \$1400.

Once an application has been submitted, it will go through a screening process to ensure all the documents needed have been submitted, then to an Officer for review and approval. Please note, there is a 90 day turnaround on issuance of approval, and this does not include time required by our Indigenous Relations Unit or Environmental Assessment (if needed).

Please let me know if you have any additional questions.

Thanks,  
Katie Gaulton  
Officer, Navigation Protection Program  
Transport Canada  
Ontario Region

**CITY OF SAULT STE. MARIE**  
99 Foster Drive, Sault Ste. Marie, ON P6A 5X6  
[saultstemarie.ca](http://saultstemarie.ca)



*Your work day and my work day may be different so please do not feel obliged to respond to this email outside of your work hours.*

Individuals who submit written correspondence or information to the City should be aware that any personal information contained in their communications may become part of the public record and made available to the public through the Council Agenda process or that of a committee of Council or a local board.

Individuals who submit written correspondence or information to the City should be aware that any personal information contained in their communications may become part of the public record and made available to the public through the Council Agenda process or that of a committee of Council or a local board.

# Audrey Joan Verra

107-125 Cambridge Place  
Sault Ste. Marie, ON  
P6A6E8  
647-888-3303  
audreyverra@gmail.com

## QUOTE

Date: 06/27/2025

### CUSTOMER

Emily Cormier  
Sustainability Coordinator  
Community Development & Enterprise Services  
City of Sault Ste. Marie  
99 Foster Drive  
Sault Ste. Marie, ON  
P6A 5X6

### PROJECT

Sault Ste. Marie  
Floating Wetland Project

DELIVERABLE	QUANTITY	REQUIRED HOURS	RATE PER HOUR	SUBTOTAL
High resolution signage design (2 ft x 3 ft) and research				
Includes:				
• Research on floating wetland function, benefits, and other needed information	1	15	\$25	\$375
• Design revisions (up to 3 rounds of major revisions, multiple minor revisions)				
TOTAL:				\$375





## **tour student2 (Hannah Grisdale)**

---

**From:** Trevor Zachary <trevor@doiweb.com>  
**Sent:** Monday, June 30, 2025 12:54 PM  
**To:** tour student2 (Hannah Grisdale)  
**Subject:** Re: Compass Imaging Website - Hannah Grisdale

This email originated outside of the Corporation of the City of Sault Ste. Marie.  
Do not open attachments or click links unless you verify the sender and know the content is safe.

Hannah, we're out of the office today and tomorrow but I'll work on getting the pricing back to you Wednesday.

Including material, design, and install you can budget for approximately \$200.

Trevor

On Jun 30, 2025, at 11:39 AM, tour student2 (Hannah Grisdale)  
<enviro.student@cityssm.on.ca> wrote:

Good morning,

Please let us know if you can provide us with a quote as soon as possible! Sorry for the rush, this project is time sensitive as we are applying for funding.

Thank you for your time and understanding,  
Hannah

**Hannah Grisdale**  
Sustainability Project Assistant  
Community Development & Enterprise Services  
[enviro.student@cityssm.on.ca](mailto:enviro.student@cityssm.on.ca)

**CITY OF SAULT STE. MARIE**  
99 Foster Drive, Sault Ste. Marie, ON P6A 5X6  
[saultstemarie.ca](http://saultstemarie.ca)

<image001.png>

*Your work day and my work day may be different so please do not feel obliged to respond to this email outside of your work hours.*

---

**From:** tour student2 (Hannah Grisdale)  
**Sent:** Friday, June 27, 2025 2:12 PM

**To:** Trevor Zachary <trevor@doiweb.com>  
**Subject:** RE: Compass Imaging Website - Hannah Grisdale

Good afternoon,

The sign will be going outside so whatever material you think will be the most durable. We would also like to put it on a post if you guys can provide us with a quote for that as well!

Thanks,  
Hannah

**Hannah Grisdale**  
Sustainability Project Assistant  
Community Development & Enterprise Services  
[enviro.student@cityssm.on.ca](mailto:enviro.student@cityssm.on.ca)

**CITY OF SAULT STE. MARIE**  
99 Foster Drive, Sault Ste. Marie, ON P6A 5X6  
[saultstemarie.ca](http://saultstemarie.ca)

<image001.png>

*Your work day and my work day may be different so please do not feel obliged to respond to this email outside of your work hours.*

---

**From:** Trevor Zachary <trevor@doiweb.com>  
**Sent:** Friday, June 27, 2025 8:23 AM  
**To:** tour student2 (Hannah Grisdale) <[enviro.student@cityssm.on.ca](mailto:enviro.student@cityssm.on.ca)>  
**Subject:** Fwd: Compass Imaging Website - Hannah Grisdale

This email originated outside of the Corporation of the City of Sault Ste. Marie.  
Do not open attachments or click links unless you verify the sender and know the content is safe.

Hi Hannah, before we quote please let me know where the sign will be (inside or outside), what material (Coroplast, Dibond), and how you need to hang the sign (if you are).  
Thanks!

Trevor

--

2025 06 17

Tourism Sault Ste. Marie  
99 Foster Drive  
Sault Ste. Marie, ON  
P6A 5X6

Dear Tourism Sault Ste. Marie,

Re: Letter of Support for the Floating Wetland Pilot Project Application to the City of Sault Ste. Marie's Green Initiatives Fund

On behalf of the Sault Ste. Marie Naturalists of Michigan and Ontario I am pleased to offer our support for Tourism Sault Ste. Marie's efforts to contribute to the success of the *Floating Wetland Pilot Project* application to the City of Sault Ste. Marie's Green Initiatives Fund. As part of the broader Waterfront Master Plan, recently approved by City Council, this project aims to improve local water quality and enhance environmental sustainability through the creation of a floating wetland in the St. Mary's River. The project presents an opportunity to engage students, and community members in environmental stewardship. This can be an important initiative for improvement and the sustainability of a healthy environment for the water front.

The floating wetland can be used as a focus on the importance of wetlands in general to the health of the environment. The obvious benefit is the purification of waters entering the St. Marys River and other bodies of water. Wetlands provide a rich and diverse ecosystem for a large variety of wildlife from Turtles to Terns. The visibility and accessibility of the floating wetland will also provide a unique opportunity for a valuable learning experience for local students, citizens and visitors.

The Sault Naturalists are fully supportive of this initiative. We are prepared to provide in-kind resources, where we can, which could include installation and maintenance, promotional support, and other efforts.

We look forward to collaborating with the City project team and any other partners involved in creating a vibrant, sustainable waterfront that will benefit both residents, visitors and of course the environment.

Should you require any further information or clarification, please do not hesitate to reach out to me directly.

Thank you for your consideration of this worthwhile project.

Sincerely,



Ron Prickett  
President  
Sault Ste. Marie Naturalists of Michigan and Ontario  
PO Box 20040  
RPO East End  
Sault Ste. Marie, ON, P6A 6W3



2025 06 18

Tourism Sault Ste. Marie  
99 Foster Drive  
Sault Ste. Marie, ON  
P6A 5X6

Dear Tourism Sault Ste. Marie,

Re: Letter of Support for the Floating Wetland Pilot Project Application to the City of Sault Ste. Marie's Green Initiatives Fund

On behalf of the School of Natural Environment (SONE) at Sault College, I am pleased to offer our support for Tourism Sault Ste. Marie's efforts to contribute to the success of the *Floating Wetland Pilot Project* application to the City of Sault Ste. Marie's Green Initiatives Fund. As part of the broader Waterfront Master Plan, recently approved by City Council, this project aims to improve local water quality and enhance environmental sustainability through the creation of a floating wetland in the St. Mary's River. The project presents an opportunity to engage students, volunteers, and community members in environmental stewardship, making it an essential initiative for the future of our waterfront.

As a School committed to sustainable environmental management, we recognize the value and potential impact of this innovative project. Floating wetlands represent a nature-based solution that can improve water quality, enhance biodiversity, and contribute to climate resilience in urban and aquatic environments.

This project will provide unique opportunities for Sault College students, through volunteer work and data collecting, all aimed at supporting the design, implementation and ongoing evaluation of the pilot project.

The Sault College SONE is fully supportive of this initiative, and we are committed to assisting in the facilitation of its success. We are prepared to provide in-kind resources, including installation and maintenance, promotional support, and other efforts. We look forward to collaborating with the City project team and any other partners involved in creating a vibrant, sustainable waterfront that will benefit both residents and visitors alike.

Please do not hesitate to contact me should you need any additional information.

Thank you for your consideration of this important project.

Sincerely,

Lynn Goulding  
Faculty  
School of Natural Environment  
Sault College  
443 Northern Ave.  
Sault Ste. Marie, Ont.  
P6A5L3



# Aquatic Aeration Solutions

## Stormwater Pond Applications

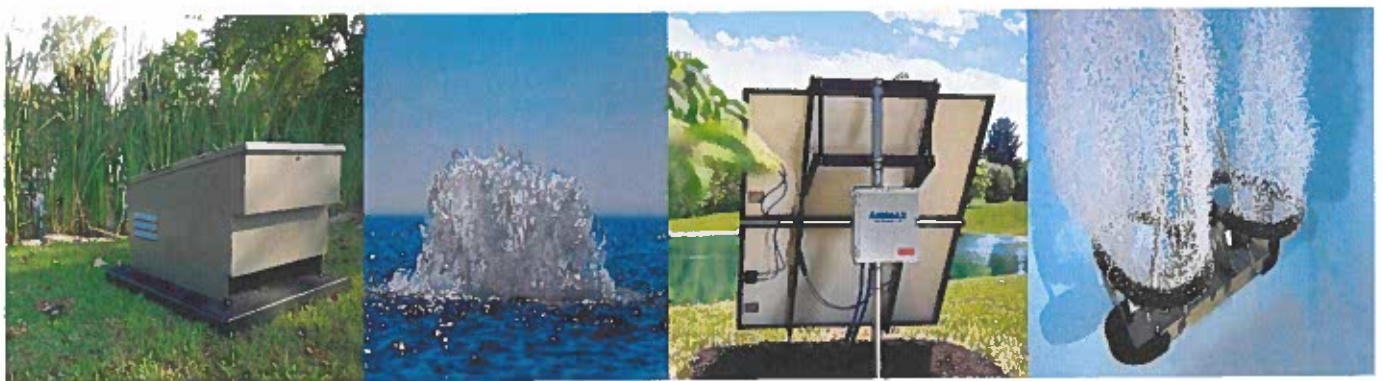


**Aquatic Aeration Solutions provide services that will improve your stormwater pond water quality.**

**We start with our weed removal services to clear unwanted vegetation surrounding the pond, and then design and install aeration systems using electric or solar powered systems.**

**We understand that improving water quality is not a simple task. Using our aeration systems and conditioners will improve your stormwater pond with results you can see.**

**With our years of experience Aquatic Aeration Solutions have become the aeration solutions company in Ontario.**



## Aquatic Aeration Solutions

4270 County Rd 45, Cobourg, ON K9A 0X2

[aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) Tel: 905-269-6518 [www.aquatic-aeration-solutions.com](http://www.aquatic-aeration-solutions.com)



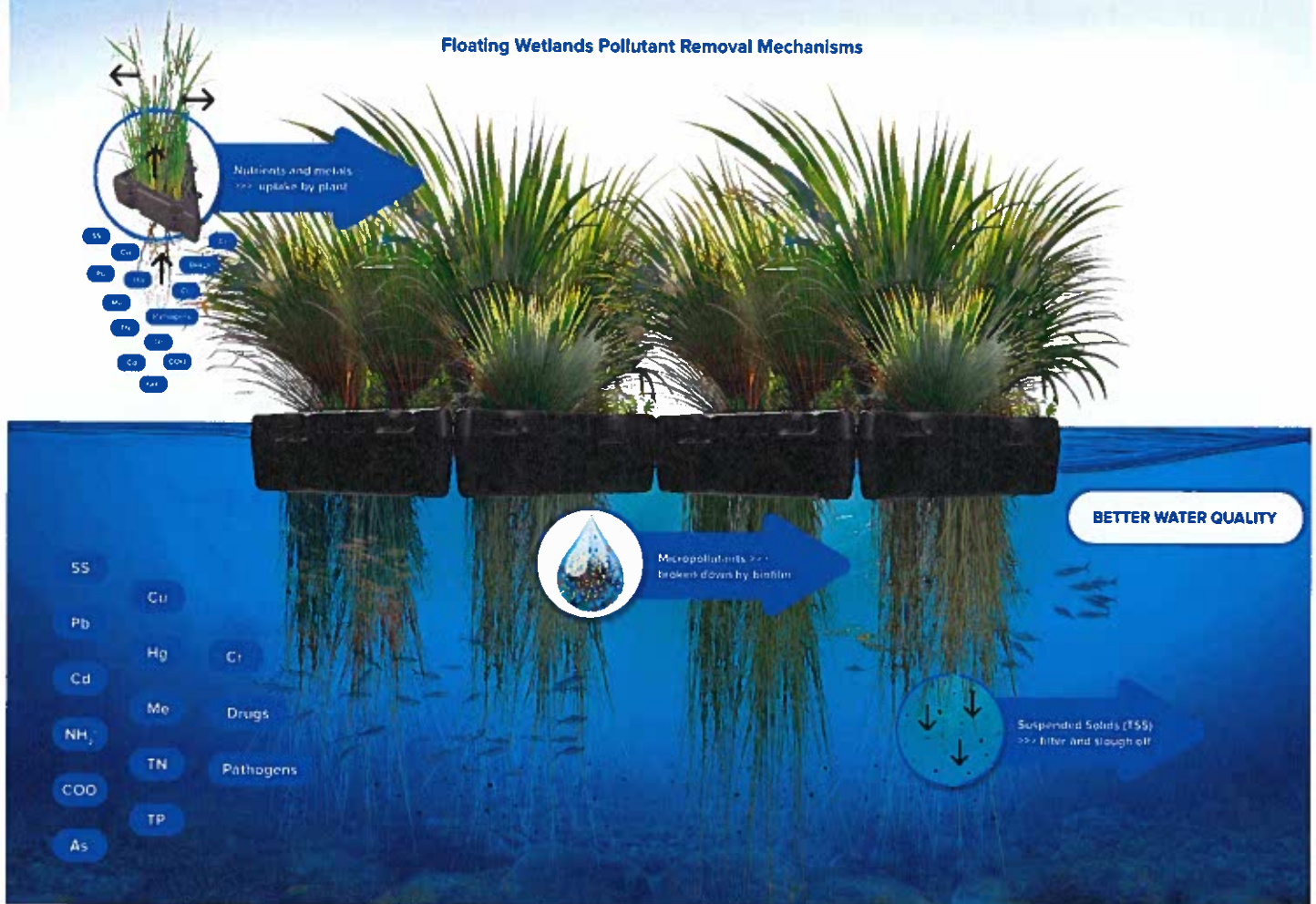
**Atlan**  
STORMWATER

Aquatic Aeration Solutions

# Floating Treatment Wetlands

Biomimetic modules for environmentally-sound  
& sustainable stormwater treatment

## Floating Wetlands Pollutant Removal Mechanisms





## Supercharged Pollutant Removal

Exposed plant roots in the water column create a network of natural, biological stormwater treatment pathways. Providing increased surface area for biofilm growth, these microorganism hotspots drive sedimentation, nitrification, and reduce algal blooms.

## Robust Riverway Performance

Meeting the demands of your project's community, climate and water conditions, our Floating Wetlands are designed with custom anchoring to meet the demands of your waterways – with extensive testing in areas subject to wave chop, water movement, wind loading and boating use.

## Modular & Scalable Design

Modular systems allow for easy customization and expansion based on water body size and treatment needs. Effective for municipal, industrial, and agricultural wastewater treatment.

## Zero Land Use

Floating Wetlands occupy smaller site footprints and are designed for placement on open water bodies – improving land usability, community access and lot yield. Provides resilience against flooding and erosion.

## Biomimicry of Natural Floating Islands

Biomimetic treatment asset that mirror the natural ecology of floating islands and provide the nutrient absorption and stormwater pollution removal capabilities of wetlands environments.



**Atlan**  
STORMWATER

## Improving Land Value

Constructed stormwater wetlands enhances waterfront beautification, amenity and water quality programs. Lifting property value and livability, these green assets protect our waterways and can be retrofitted in existing ponds, lakes and streams.

## Habitats for Local Fauna & Flora

Providing floating island habitats for local species, such as frogs, birds, turtles and fish, floating wetlands allow wildlife and plants to thrive. Mirroring natural wetlands, they can be customized with native plant selections and local flora to support biodiversity.

## Sustainable Waterways

Floating Wetlands mimic natural green ecosystems – with minimal environmental impacts. They require no power to operate, the manufacturing process is low-energy, and the plants are eco-sourced to harmonize with natural vegetation. Helps mitigate climate change by capturing carbon dioxide through plant growth.

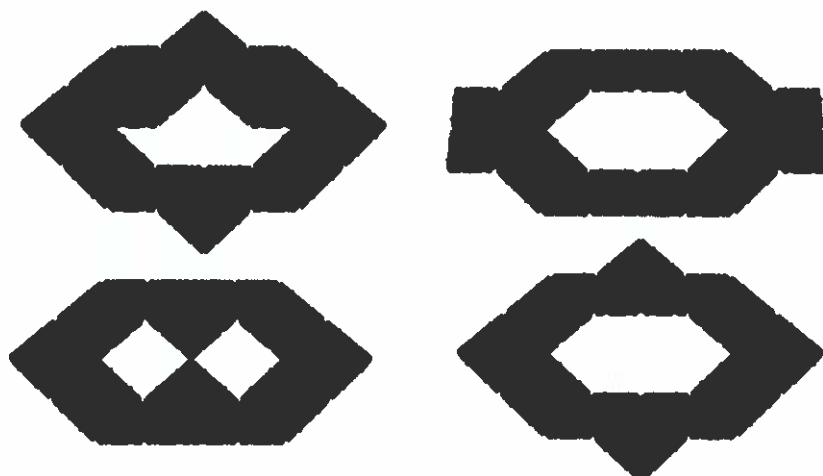
## Plant Density

Recommended planting density is three to five plants per ten square feet with species selected for their buoyancy and superior root structures offering an increased surface area. Popular options include terrestrial species such as wetland sedges, rushes and grasses.



### Wind and Wave Movement Modelling

The Floating Wetlands have been modelled and tested to be installed in areas subject to wave chop and water movement mixed with wind loads. They are constructed with significant allowance for movement and flex, thus making them suitable for installations in areas exposed to boat and wave movement.

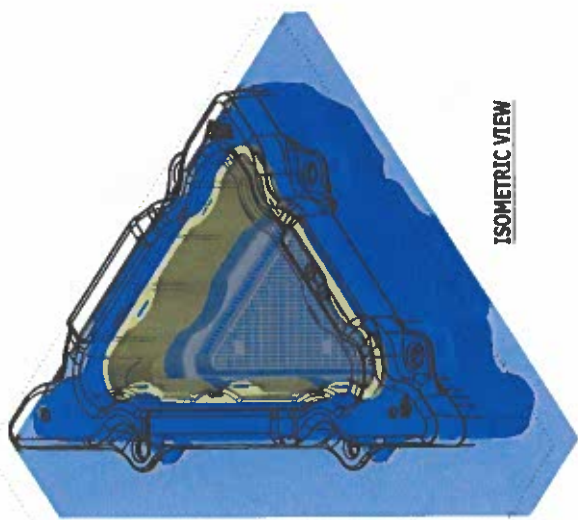


### Customizable Solutions

Floating Treatment Wetlands are available in a range of customizable solutions from size, shapes, functionality and environmental capabilities. Our experienced team is available to guide you through the design process and can work with you to achieve your project goals.

Technical drawing of a triangular mesh filter. The filter is blue with a yellow mesh center. Dimensions are provided in millimeters and inches:

- Top horizontal dimension: 897 mm [35 in]
- Right vertical dimension: 858 mm [34 in]
- Bottom horizontal dimension: 897 mm [35 in]
- Left vertical dimension: 577 mm [23 in]
- Bottom horizontal dimension (inner): 577 mm [23 in]



**ISOMETRIC VIEW**



WATER LINE

**TOLERANCE:** All Dimensions to Closest 10 mm &  $\pm 1-30$  mm

CUJUNT:

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Drawn P.Z.	Date 1/07/2024
Check	Date
Verified	Date
Approved	Date
Request No.	

REV	DATE	BY	DESCRIPTION	INITIAL RELEASE
1	7/07/2024	P 2		

PROJECT	
TITLE	
SCALE	
CUSTOMER C	

**Atlan**  
STORMWATER

SCALE	SIZE	SHEET	REV
N.T.S.	A3	1	1

CUSTOMER CODE DWG No. 240701.P.01.GA



## How Does It Work?

Atlan Floating Treatment Wetlands (FTWs) provide an innovative, nature-based solution for improving water quality in a variety of aquatic environments. By mimicking natural wetlands, they create a fertile base for plant growth while facilitating bioremediation—where microbes and bacteria break down pollutants.

## Bio-Remediation Through Plant Roots

As plants grow on the floating wetland modules, their roots extend downward through the wetland media, creating an extensive surface area for microbial activity. These microbes and bacteria, which do not swim, attach themselves to the fibrous root structures and the wetland's biofilm. Within this biofilm, they trap and digest organic matter, odors, and excess nutrients such as nitrogen and phosphorus, effectively purifying stormwater and wastewater.

## Maximizing Pollutant Removal

The floating wetland modules create a dense root mass beneath the water's surface, with varying root densities. This variation enhances the interaction between water and biofilm, increasing the efficiency of pollutant breakdown. The microbial colonies secrete sticky extracellular proteins, allowing them to thrive and form biofilms that continuously clean the water by reducing total suspended solids and biochemical oxygen demand.

## Advanced Modular Biological System

Developed with leading international scientists, Atlan FTWs represent a breakthrough in water treatment technology. The modular design allows for flexible installation in various sizes and configurations. Each floating module measures approximately 34 in (858mm) x 34 in (858mm) and can be connected using patented locking pins to cover larger areas. This staged installation approach is ideal for projects with budget constraints, allowing for gradual expansion to meet future wastewater treatment needs.

## Plant Selection for Maximum Efficiency

The plant species used are carefully selected to suit the project's specific environment. They include a mix of native species from the sedge, grass and rush families, suited for both freshwater and brackish conditions.

Recommended the use of native plants as approved by your state or provincial authority.

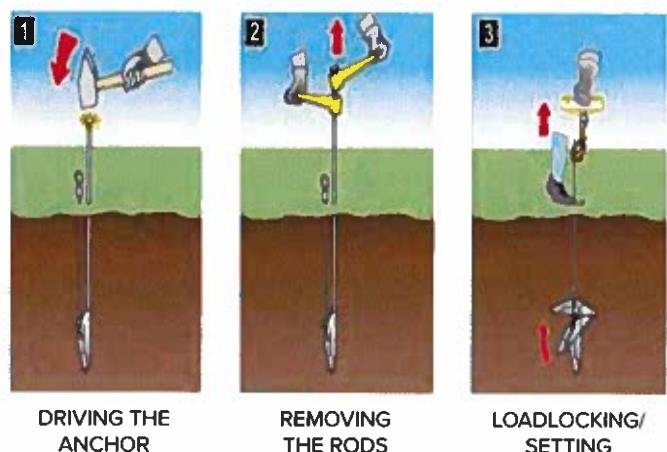


## Anchoring and Tethering for Stability

Each floating wetland system is securely anchored to prevent unwanted movement while still allowing for vertical flexibility. This ensures the wetlands can rise and fall with the tide or changes in water levels, maintaining consistent contact with the water surface for optimal performance.

The anchoring and tethering solutions are customized based on local site conditions and may include platypus ground anchors, plow anchors, concrete blocks and fixed bank anchor points.

With its scientifically proven effectiveness, Atlan Floating Treatment Wetlands offer a sustainable, adaptable, and high-performance solution for restoring and maintaining healthy aquatic ecosystems.







The Atlan Floating Treatment Wetlands are an innovative, nature-based water treatment solution designed to improve water quality by mimicking natural wetlands.

These floating platforms support aquatic plants whose roots extend into the water, absorbing pollutants such as nitrates, phosphates, heavy metals, and organic matter. Beneficial microbes colonize the plant roots, further enhancing pollutant breakdown and nutrient removal.

Made from durable, eco-friendly, and buoyant materials, Floating Wetlands are modular and scalable, making them adaptable for various water bodies, including lakes, rivers, reservoirs, ponds, and stormwater basins. They help control algae blooms, enhance dissolved oxygen levels, and provide habitat for fish, birds, and other aquatic life. Additionally, they contribute to climate resilience by sequestering carbon, preventing erosion, and reducing the impact of flooding.

### Applications

Municipal wastewater treatment

Stormwater Runoff

Beautification of community facilities

Golf courses or facilities that utilize treated water

Industrial wastewater treatment

Stream and lake restoration

In stormwater applications, the installation of Floating Wetlands into inlet zones or detention lagoons greatly enhances the stormwater cleaning process by removing:

- Total suspended solids
- Nutrients
- Gross pollutants
- Heavy metals
- Fine colloidal and particulates

Independently tested and validated, these systems provide high-rate performance in both average flow and storm events. Truly environmentally sound and sustainable, Floating Wetlands have a dramatic effect on:

- Anaerobic digestion
- Odor mitigation
- Nitrification processes
- Denitrification and polishing
- Biochemical oxygen demand
- Removal of TSS
- Reduction in fecal coliforms
- Reduction in phosphorus

# WaterIQ Technologies™ Sustainable Algae & Biofilm Control



## The Highest Precision Ultrasound Targeting for Algae and Biofilm Remediation and Prevention with 4400 Frequencies



**Pulsar4400**

4400 frequencies target most green, blue-green and some golden and red algae. The 4400 provides the highest targeting precision for high value water resources.



**Pulsar3400**

Designed for smaller applications with lower range for smaller bodies of water and enclosed applications -- but with the same high precision targeting of algae and biofilm.

WaterIQ Technologies™ is the leading supplier of solutions that prevent and combat algae using advanced ultrasonic technology, restoring water to its natural state quickly and sustainably without the use of harmful chemicals.

The Pulsar represents the next-generation in ultrasonic defense systems designed for prevention, performance, and reliability. Our systems operate 24/7, provide high-reliability telemetry and cloud connectivity enables real-time monitoring of operational performance and water quality.

### WaterIQ Technologies Sustainable Algae Management -- SAM





## Options



### A-Frame Land Based Solar

Ideal power for smaller applications where local power is accessible



### Land based AC/DC Powered

Shore based power supply for applications where AC power is available



### Sentinal and Sentinal AIQ+

Used in large applications and where AC power is not available and cables are prohibitive



### Pulsar Float System

The standard solution for land based systems – cable linked from the shore to the float



### SenselQ

Available in a small format MiniSense and eight sensor SenselQ8 models. We are happy to discuss other options

## Options and Configurations

Attribute	Pulsar 3400	Pulsar 4400
Number of Frequencies	4400	4400
Number of Piezo Transducers/head	4 heads @ 90 degrees	4 heads @ 90 degrees
Algae targets (All units address biofilm)	Biofilm and lower range applications	Most cyanobacteria and blue green algae + selective golden and red
Green Algae Target Range	80 Meters Radial (10 acres)	150M Radial (17 acres)
Blue Green Algae Target Range	200M Radial (60 acres)	400M Radial (120 acres)
Biofilm Target Range	45M	60M Radial (2.8 acres)
Power Options	120V/240V, 24V DC, Solar	120v/240v, 24vDC, Solar, Sentinal AIQ/+
Head Options	Single Unit or Dual Units to the same power supply	Single Unit or Dual Units to the same power supply
Anti Fouling – non mechanical	Y	Y
Clarifier Option for integrated Cable	Y	Y
Custom Cable lengths	Y	Y
Standard Monitoring/Telemetry including on/off, restart, reboot, sync and measurement of operational performance and water quality metrics at set intervals	Y	Y
Water Quality Monitoring – MiniSenseIQ – Chlorophyll A, Cyanobacteria, Temp – no calibration with wiper	N	Y
Water Quality Monitoring – SenseIQ8 – Basic + OPR, Ph, Do, Turbidity	N	Y
Power Consumption	30 W total	30 W total
Connectors	IP69	IP69
IQCloud Integration and Access	Y	Y

## Check out the Results



Teton Pines -- Blue-Green Algae



Wilson Pond -- Spirogyra

Give us a call! 905-269-6518 email: [aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) [aquatic-aeration-solutions.com](http://aquatic-aeration-solutions.com)



# Aquatic Aeration Solutions

tel: 905-269-6518 email: [aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) [aquatic-aeration-solutions.com](http://aquatic-aeration-solutions.com)

## WeedFreeWaters



### Weed Removal

Utilize our innovative solutions to make your waterways thrive.



### Silt Removal

Removing your excess silt to cleanse your waterways.



### Cleaning Culvert Obstructions

Clear your culverts while maintaining the ecosystems around them.



### Natural Obstructions

Bring back your waterways with removal of Natural Obstructions, including those pesky abandoned Beaver Dams



### Run Off Debris Removal

Clean up the look, feel, and function of your waterways and remove the run off debris.



### Water Flow Optimization

Bring the flow to your waterways, the way it should be.

**Accessing areas where conventional equipment cannot.**



**Silt Removal and Dredging**



**Weed cutting and removal**



# Aquatic Aeration Solutions

tel: 905-269-6518 email: [aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) [aquatic-aeration-solutions.com](http://aquatic-aeration-solutions.com)



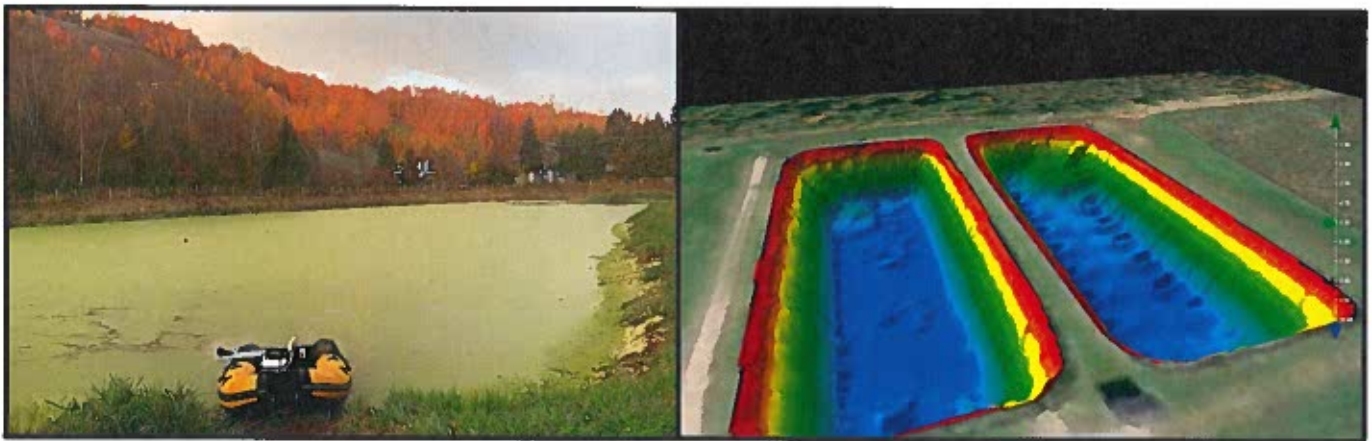
# Aquatic Aeration Solutions

## Lagoon & Pond Sludge Surveys

The First Step in Developing an Effective Sludge Management Plan



# SludgeMapper



A successful sludge management plan starts with a successful sludge survey. Dredging your lagoon is an expensive and complex process with inherent risks. By conducting a sludge survey from Sludge Mapper, you gain critical data on sludge volumes.

This information will prove invaluable in developing a robust sludge management plan and preparing for the dredging tender process.

**Prepare** - You can request a free sludge survey proposal and estimate with no obligations. This marks the initial step in developing your sludge management plan.

**Survey** - We will conduct a comprehensive sludge survey on your lagoon or pond, delivering a detailed report on the quantity of sludge, its location and its composition.

**Plan** - Once you have your lagoon sludge data, it will assist you in developing a sludge management plan, encompassing a budget and various sludge disposal options.

## Frequently Asked Questions:

### How do I know if my lagoon has a problem or will have a problem?

The only way to be sure is to have your lagoon or pond surveyed. While visual inspection of the surface can identify signs of excessive sludge build-up, a comprehensive understanding of the situation requires a survey conducted with sonar.

### What does your reporting give us?

Our reports will provide you with the volume of sludge in your lagoon or pond, pinpointing its location as the sludge blanket is not uniform. Additionally, we analyze its composition so you can determine disposal options. This information assists you in determine whether dredging is even required.

### If I don't need to dredge now, when will I need to?

By conducting 2 or more surveys in a year, we can calculate sludge accumulation rates, providing estimates for when dredging may be needed. For a more precise timeframe, we recommend a multi-year monitoring program.

### How do we dispose of the sludge?

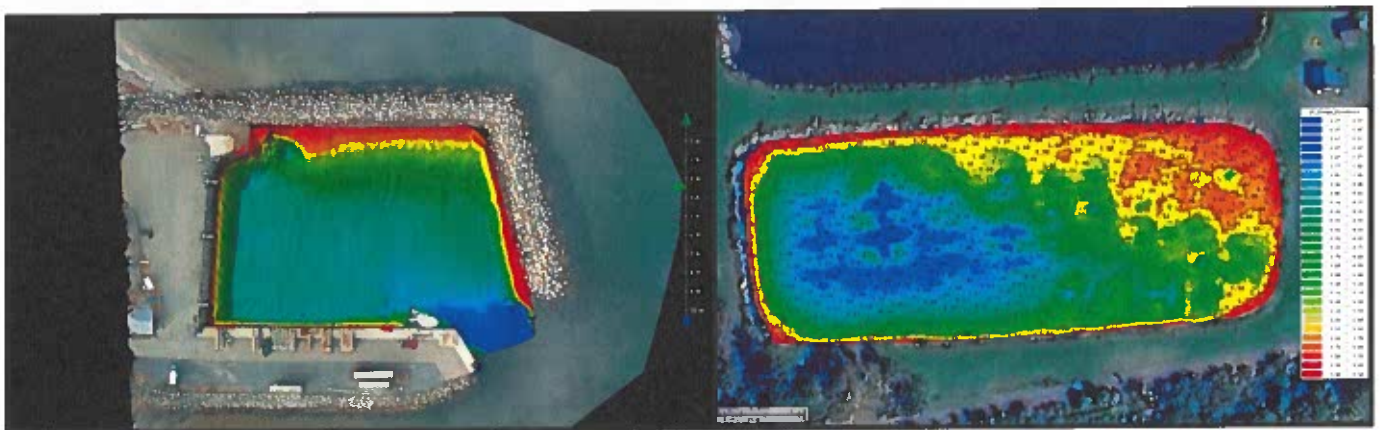
We collect samples of the sludge for analysis. Understanding the sludge composition enables you to evaluate various disposal options.

### How much will dredging cost?

Dredging companies typically estimate sludge removal based on dry tonnage. By utilizing sludge volume calculations and laboratory tests, a reliable estimate can be determined.

### How do I manage dredge contract performance?

Once the pre-dredge sludge tonnage is known, a post-dredge survey can accurately determine the amount of sludge removed during the dredging process.



## Aquatic Aeration Solutions

4270 County Rd 45, Cobourg, ON K9A 0X2

[aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) Tel: 905-269-6518 [www.aquatic-aeration-solutions.com](http://www.aquatic-aeration-solutions.com)



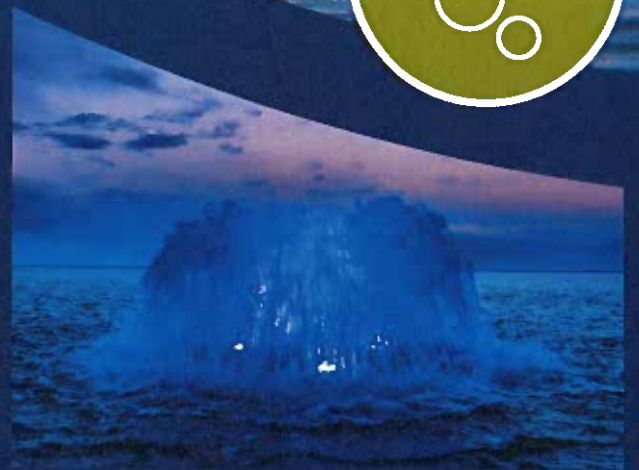
Aquatic Aeration Solutions

# Kasco®

MOVING WATER FORWARD, SINCE 1968

## SURFACE AERATORS

Surface Aerators push high volumes of water into the air increasing the overall health of your pond or lake and keeping it thoroughly mixed. This introduction of oxygen and water movement breaks up stratification, eliminates odor, discourages algae growth, and promotes a healthy aquatic environment.



*Pair with optional Water Glow Lighting.*

[aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) 905-269-6518 [aquatic-aeration-solutions.com](http://aquatic-aeration-solutions.com)





## FEATURES & BENEFITS

- Efficient design ensures low power consumption and low total cost of ownership
- Built with long lasting internal components
- Salt water compatible stainless steel components allow reliable performance in harsh environments
- Easily maintain by cleaning motor housing when dirty and replacing anode when visibly corroded

## COMMON APPLICATIONS

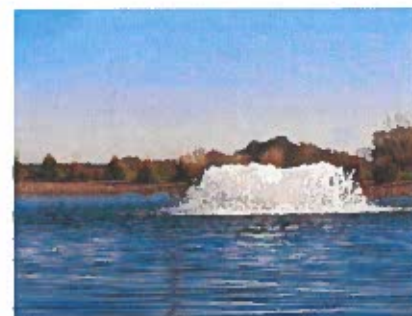
- Commercial aquaculture and fish farming
- Residential ponds and lakes
- Retention ponds
- Leachate ponds
- Industrial and waste water lagoons
- Marina navigation (by using red or green lights in Kasco lighting system)

## Aquatic Aeration Solutions

aquatic.aeration.solutions@gmail.com  
tel: 905-269-6518  
aquatic-aeration-solutions.com

## SURFACE AERATORS

Kasco Surface Aerators are efficient, high-performing units that introduce large amounts of oxygen into the water. These self-contained units deliver up to 3.0 lbs of O<sub>2</sub> per horsepower per hour of operation, making them the most dependable units on the market.



- 1/2, 3/4, 1, 2, 3, and 5HP sizes available
- 120 and 208-240V, single and three phase options
- Complete packages are ETL Listed to UL and CSA Standards
- Proven performance for continuous, supplemental, or emergency aeration
- Optional double-mechanical seal and stainless steel domed top available



OPTIONAL LIGHTING PACKAGES



WARRANTY

1/2, 3/4, & 1HP - 2 Years  
2, 3, & 5HP - 3 Years\*  
\*optional 5 year warranty available



## MODEL NUMBERS AND SPECIFICATION

MODELS	HP	VOLT (V)	PHASE	AMPS	OPTIONAL CONTROL PANEL	MINIMUM OPERATING DEPTH (IN)
2400AF	1/2	120	1	5.7	C-25	15
3400AF	3/4	120	1	7	C-25	17.5
3400HAF	3/4	208-240	1	3.5	C-220	17.5
4400AF	1	120	1	9.1	C-25	19
4400HAF	1	208-240	1	4.5	C-220	19
8400AF	2	208-240	1	9	C-220	20
2.3AF	2	230	3	7.2	CA-3235	20
2.3HAF	2	460	3	2.8	Inquire	20
3.1AF	3	208-240	1	10.7	C-230	24
3.3AF	3	230	3	8.2	CA-3235	24
3.3HAF	3	460	3	4.1	Inquire	24
5.1AF	5	208-240	1	18	C-230	26
5.3AF	5	230	3	18	CA-3235	26
5.3HAF	5	460	3	6.5	Inquire	26

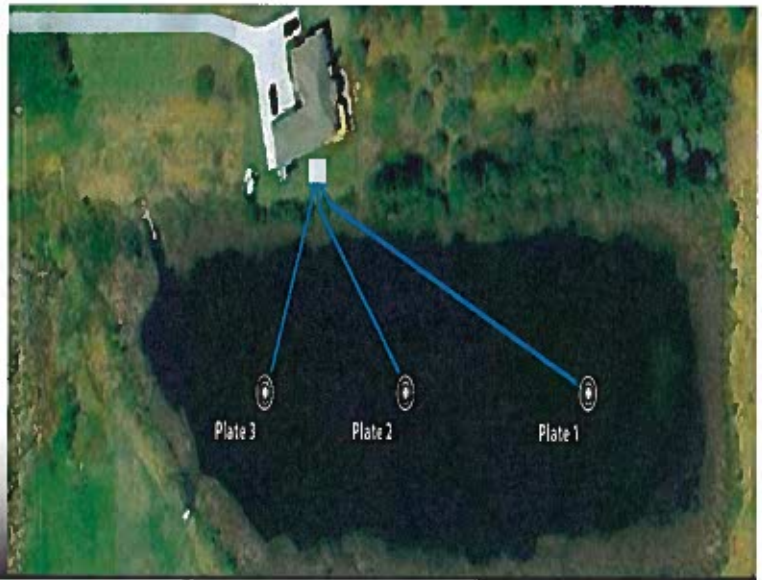
### Product Notes

- AF model numbers have 50 ft., 100 ft., 150 ft., and 200 ft. cord lengths available
- HAF model numbers have 50 ft., 100 ft., 150 ft., 200 ft., 250 ft., 300 ft., 400, and 500 ft. cord lengths available
- Optional control panels allow timing and lights to be managed from shore.
- Double mechanical seal and stainless steel domed top option available.
- Three phase, 460-480V option available in approved locations only. Contact Kasco for details
- Bottom screens are optional for all units.

# AIRMAX®

## DIFFUSED AERATION

Breathe Life Into Your Pond or Lake



### Airmax Aeration Systems



#### Shallow Water Series™

Aeration for Ponds up to 10' Deep



#### PondSeries™

Aeration for Ponds up to 21' Deep



#### LakeSeries™ High Volume

Aeration for Larger Ponds up to 50' Deep

## The Right System for the Perfect Pond!

### Let Us Design the Right System for Your Pond!

Selecting the right system and proper placement of the diffusers is vital to ensuring you are circulating and aerating your pond or lake effectively.

Let our professionals layout the perfect system for your pond and we will guarantee the results!

Contact us today and one of our professionals will get to work to map, measure and properly design an Airmax Aeration System.



## Aquatic Aeration Solutions

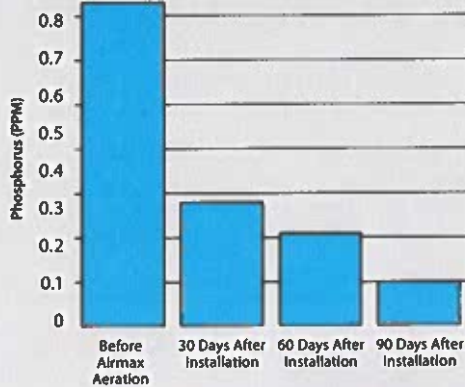
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## Aquatic Aeration Solutions

# Airmax Aeration Gets Results in Just 90 Days!

Phosphorus Levels in the Water

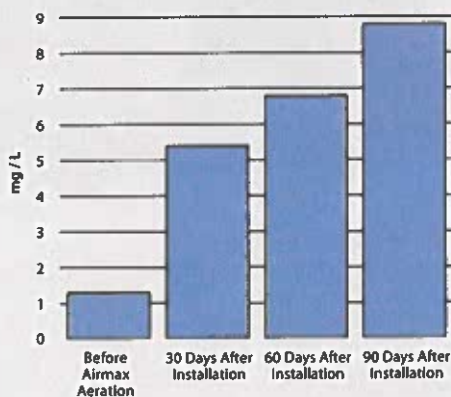


## IMPROVE WATER CLARITY

90 percent reduction in Nitrogen and Phosphorus levels in water leading to improved water clarity.



Dissolved Oxygen at 10' of Depth



## QUICKLY REDUCE MUCK

600 percent increase in dissolved oxygen at 10' of depth which reduced muck and led to healthier fish through oxygen saturation.



*Independent study by Aeration Technologies of North Carolina.*



Let our experts design the right system for your pond

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# AIRMAX

## SolarSeries™ Aeration Systems

Alternative Energy Ideal for Remote Ponds

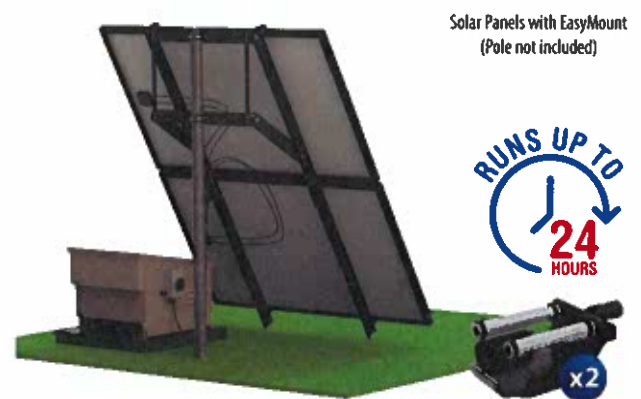
Aquatic Aeration Solutions

Solar aeration systems are ideal for pond owners seeking alternative-energy options or for remote ponds with no access to electricity. SolarSeries aeration systems are designed to the highest quality standards, making them long-lasting, low maintenance, and with near-silent operation.

Available in both direct drive (DD) and battery backup (BB) systems. Direct-drive systems run only in daylight, providing supplemental oxygen during the summer and preventing fish kills during the winter. Battery-backup systems provide long runtimes, for up to 24 hours per day. Extended runtimes enable you to fully experience the benefits of aeration and attain the best possible results.



Solar Panels with EasyMount  
(Pole not included)



Solar Panels with EasyMount  
(Pole not included)

### SolarSeries Direct Drive

Aerates Ponds Up to 2 Acres and 20 Feet Deep, Up to 12 Hours

- Two American-made Solar Panels
- EasyMount Assembly
- Two ProAir 2 Diffusers
- SilentAir Compressor
- Dual Manifold Assembly
- Pole Mounted Fiberglass Cabinet

### SolarSeries Battery Backup

Aerates Ponds Up to 2 Acres and 20 Feet Deep, Up to 24 Hours

- Two American-made Solar Panels
- EasyMount Assembly
- Two ProAir 2 Diffusers
- SilentAir Compressor
- Dual Manifold Assembly
- Lockable Powder-Coated Aluminum Cabinet with Cooling Fan
- MPPT Controller with Bluetooth
- Two 12v AGM Batteries



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### Benefits of Diffused Aeration

- Circulates and oxygenates the entire water column eliminating thermal stratification and creating a thriving pond environment
- Creates a clear, clean and balanced pond with less bottom muck
- Reduces the chance of fish loss caused by turnover
- Prevents stagnant water, reducing midge fly and mosquito populations

- Circulates and oxygenates the entire water column eliminating thermal stratification and creating a thriving pond environment
- Creates a clear, clean and balanced pond with less bottom muck
- Reduces the chance of fish loss caused by turnover
- Prevents stagnant water, reducing midge fly and mosquito populations

## AERATION MAPPING SERVICE THE RIGHT SYSTEM FOR THE PERFECT POND!

### LET A CERTIFIED AIRMAX INSTALLER DESIGN THE RIGHT SYSTEM FOR YOUR POND OR LAKE!

Selecting the right system as well as determining the proper placement of the diffusers is vital to ensuring you are circulating and aerating your pond or lake effectively. Incorrectly placing diffusers or using an under-sized unit, limits the overall effectiveness of an aeration system. The Airmax Assist™ mapping service ends the guesswork. When a Certified Installer uses Airmax's proprietary software to map your pond or lake, not only will the installer stand behind the installation but Airmax will guarantee the results!

Aquatic Aeration Solutions

**AIRMAX**

Customer Number: 123456  
Customer Name: John Doe  
Site Name: Back Pond

Customer Information  
Site Address: 123 Main St  
City: Anytown  
State: CA  
Zip: 90210  
Phone: (555) 123-4567  
Email: john.doe@example.com

**AIRMAX PondSeries™  
P2 20 Aeration System**

Diffuser Type	Length (ft)	Weight (lbs)	Depth (ft)
Standard	100	100	10
Standard	150	150	15
Standard	200	200	20
Standard	250	250	25
Standard	300	300	30
Standard	350	350	35
Standard	400	400	40
Standard	450	450	45
Standard	500	500	50
Standard	550	550	55
Standard	600	600	60
Standard	650	650	65
Standard	700	700	70
Standard	750	750	75
Standard	800	800	80
Standard	850	850	85
Standard	900	900	90
Standard	950	950	95
Standard	1000	1000	100

**Pond Information**

System Specifications	Value
System Name	Back Pond
System Size	1000 sq ft
System Depth	10 ft
System Volume	10000 gal
System Type	Standard
System Material	Plastic
System Color	Blue
System Shape	Rectangular
System Orientation	Horizontal
System Installation Date	10/1/2010
System Installation Location	Back Pond
System Installation Notes	See map for details

**Results for Analysis**

Analysis Type	Value
System Volume	10000 gal
System Depth	10 ft
System Type	Standard
System Material	Plastic
System Color	Blue
System Shape	Rectangular
System Orientation	Horizontal
System Installation Date	10/1/2010
System Installation Location	Back Pond
System Installation Notes	See map for details

**AIRMAX**

**THE RIGHT SYSTEM FOR YOUR POND OR LAKE:**  
Selecting the right system as well as determining the proper placement of the diffusers is vital to ensuring you are circulating and aerating your pond or lake effectively. Incorrectly placing diffusers or using an under-sized unit, limits the overall effectiveness of an aeration system. The Airmax Assist™ mapping service ends the guesswork. When a Certified Installer uses Airmax's proprietary software to map your pond or lake, not only will the installer stand behind the installation but Airmax will guarantee the results!

## Aquatic Aeration Solutions

	SolarSeries Systems									
	Single System Aerating Area		What's Included				System Specs			
System	Maximum Aerating Area	Max Diffuser Depth (ft)	Max # of ProAir® 2 Diffusers	Compressor	EasySet Airline	Cabinet Size	Max Run Time	Op. Cost / Month	Decibel Level at 5' Distance	Max CFM
SS20-DD	2 Acres*	20	2	SilentAir 24VDC Diaphragm	Use with 5/8" Airline	14"L 16"W 8"H	12 Hours	\$0.00	45-50 dB	1
SS20-BB	2 Acres*	20	2	SilentAir 24VDC Diaphragm	Use with 5/8" Airline	30.25"L 28.75"W 21"H	24 Hours	\$0.00	45-50 dB	1

\*For ponds and lakes larger than 2 acres, use multiple systems.



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# Aquatic Aeration Solutions

**Municipal - Commercial - Industrial - Agriculture**



**Campgrounds - Golf Courses - Lake Resorts - Marinas  
Lagoons - Fire Retention Ponds - Reservoirs  
Mobile Home Parks - Stormwater - Wastewater**

## **Aquatic Aeration Solutions**

4270 County Rd 45, Cobourg, ON K9A 0X2

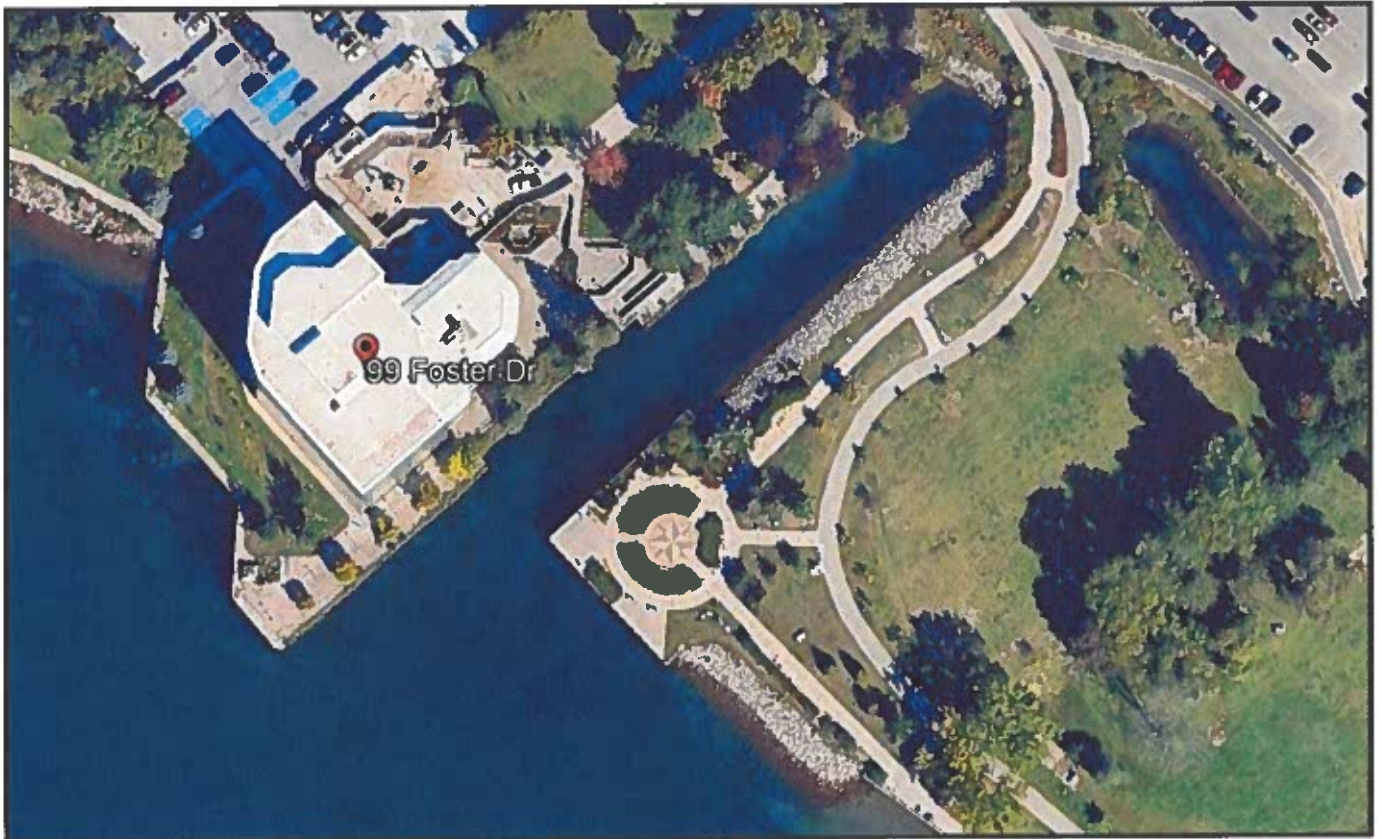
[aquatic.aeration.solutions@gmail.com](mailto:aquatic.aeration.solutions@gmail.com) Tel: 905-269-6518 [www.aquatic-aeration-solutions.com](http://www.aquatic-aeration-solutions.com)



# Aquatic Aeration Solutions

**Hannah Grisdale**  
**Sustainability Project Assistant**  
**Community Development & Enterprise Services**  
**City of Sault Ste. Marie**  
**99 Foster Drive, Sault Ste. Marie, ON P6A 5X6**  
**email: [enviro.student@cityssm.on.ca](mailto:enviro.student@cityssm.on.ca)**  
**[saultstemarie.ca](http://saultstemarie.ca)**

## Atlan Floating Wetlands



# Aquatic Aeration Solutions


City of Sault Ste. Marie - 99 Foster Drive

## Area A - Channel off of the Lake

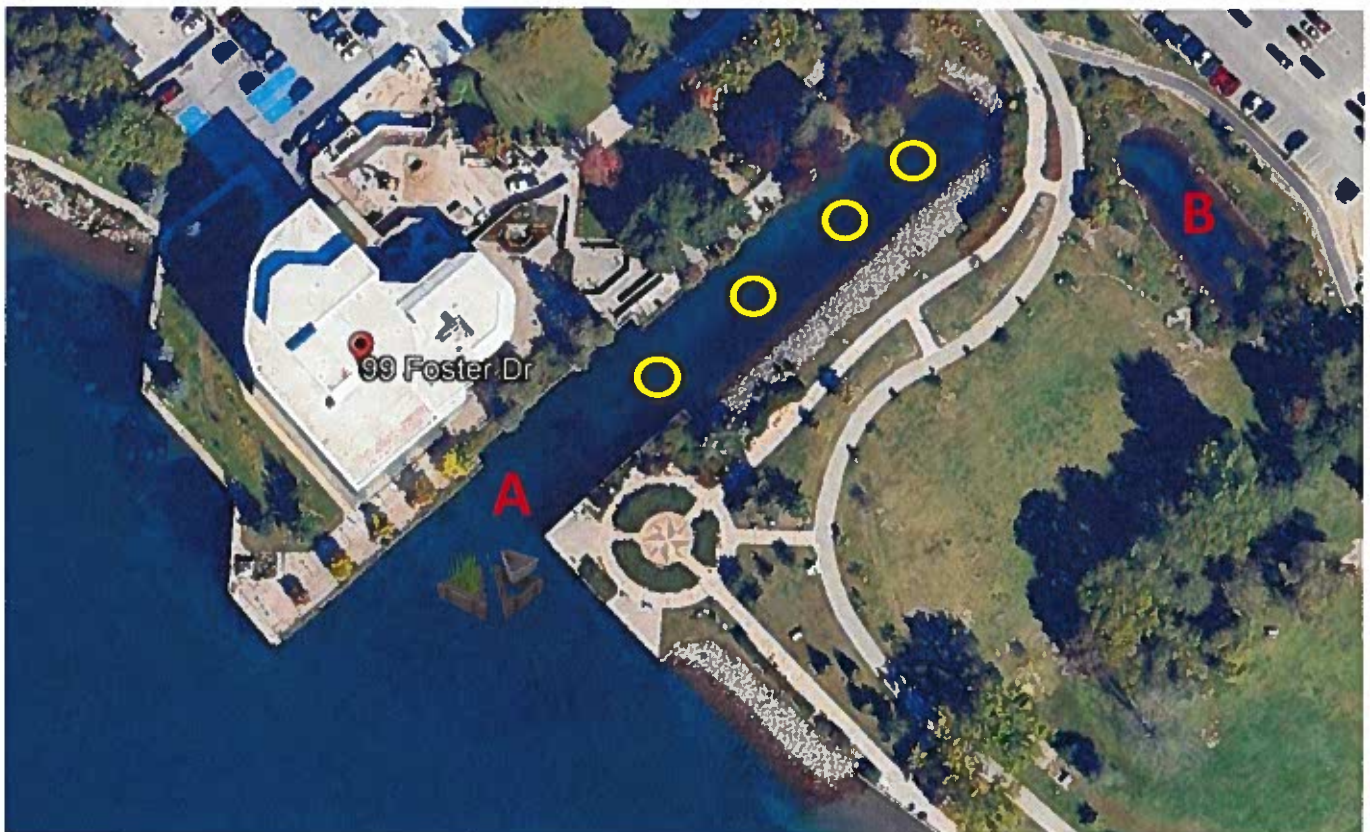
Treatment required?

Scope of the Project?

Floating Wetlands?

Would aeration be a consideration? Options include a 115v system or solar powered.  Diffusers for aeration system.

Area B - Pond - Are there issues with the pond and is this area also being considered for treatment?





# Aquatic Aeration Solutions

## NATIVE PLANT PRICE LIST 2025

BOTANICAL NAME	COMMON NAME	Price	Availability
<i>Acorus calamus</i>	Sweet Flag	\$ 16.95	Good
<i>Alisma plantago aquatica</i>	Water Plantain	\$ 16.95	Good
<i>Anemone canadensis</i>	Canada anemone	\$ 16.95	Special Order
<i>Asclepias incarnata</i>	Swamp Milkweed	\$ 16.95	Good
<i>Brasenia schreberi</i>	Water Shield	\$ 16.95	Special Order
<i>Calamagrostis canadensis</i>	Canada Bluejoint	\$ 16.95	Good
<i>Calla palustris</i>	Water Arum	\$ 16.95	Limited
<i>Caltha palustris</i>	Marsh Marigold	\$ 16.95	Good
<i>Carex bebbii</i>	Bebb's Sedge	\$ 16.95	Good
<i>Carex lacustris</i>	Lake Sedge	\$ 16.95	Good
<i>Carex pseudo-cyperus</i>	Cyperus Sedge	\$ 16.95	Good
<i>Carex retrorsa</i>	Retrorsa Sedge	\$ 16.95	Good
<i>Carex stipata</i>	Awl Fruited Sedge	\$ 16.95	Good
<i>Carex stricta</i>	Tussock Sedge	\$ 16.95	Good
<i>Carex vulpinoidea</i>	Fox Sedge	\$ 16.95	Limited
<i>Ceratophyllum demersum</i> (10 stem bunch)	Hornwort	\$ 16.95	Good
<i>Chelone glabra</i>	Turtlehead	\$ 16.95	Special Order
<i>Eleocharis montevidensis</i>	Needle Rush	\$ 16.95	Good
<i>Eleocharis obtusa</i>	Spike Rush	\$ 16.95	Special Order
<i>Elodea canadensis</i> (10 stem bunch)	Canada Waterweed	\$ 16.95	Good
<i>Equisetum hyemale</i>	Horsetail	\$ 16.95	Good
<i>Eupatorium maculatum</i>	Joe-Pye Weed	\$ 16.95	Good
<i>Eupatorium perfoliatum</i>	Boneset	\$ 16.95	Good
<i>Glyceria striata</i>	Fowl Manna Grass	\$ 16.95	Good
<i>Iris versicolor</i>	Blue Iris	\$ 16.95	Good
<i>Juncus effusus</i>	Soft Rush	\$ 16.95	Good
<i>Juncus tenuis</i>	Path Rush	\$ 16.95	Good
<i>Juncus torreyi</i>	Torrey's Rush	\$ 16.95	Good
<i>Leersia oryzoides</i>	Rice Cutgrass	\$ 16.95	Good
<i>Lobelia cardinalis</i>	Cardinal Flower	\$ 16.95	Good
<i>Lobelia siphilitica</i>	Great Blue Lobelia	\$ 16.95	Limited
<i>Mentha aquatica</i> (3 stem bunch)	Swamp Mint	\$ 16.95	Good
<i>Menyanthes trifoliata</i>	Bog Bean	\$ 16.95	Good
<i>Mimulus ringens</i>	Monkey Flower	\$ 16.95	Good
<i>Pontederia cordata</i>	Pickereel Rush	\$ 16.95	Good
<i>Sagittaria latifolia</i>	Common Arrowhead	\$ 16.95	Good
<i>Schoenoplectus tabernaemontani</i>	Softstem Bulrush	\$ 16.95	Good
<i>Scirpus acutis</i>	Hardstem Bulrush	\$ 16.95	Good
<i>Scirpus americanus</i> (S. pungens)	Three Square Rush	\$ 16.95	Good
<i>Scirpus atrovirens</i>	Green/Black Bulrush	\$ 16.95	Good
<i>Scirpus cyperinus</i>	Woolgrass Bulrush	\$ 16.95	Good
<i>Scirpus fluviatilis</i>	River Bulrush	\$ 16.95	Limited
<i>Scirpus lacustris</i>	Bulrush	\$ 16.95	Good
<i>Scirpus validus</i>	Softstem Bulrush	\$ 16.95	Good
<i>Sparganium eurycarpum</i>	Giant Burreed	\$ 16.95	Good
<i>Spartina pectinata</i>	Prairie Cordgrass	\$ 16.95	Good
<i>Typha angustifolia</i>	Narrowleaf Cattail	\$ 16.95	Good
<i>Typha latifolia</i>	Broadleaf Cattail	\$ 16.95	Good
<i>Vallisneria americana</i>	Tapegrass/Wild Celery	\$ 16.95	Good
<i>Verbena hastata</i>	Blue Vervain	\$ 16.95	Good

# Aquatic Aeration Solutions

tel: 905-269-6518 email: aquatic.aeration.solutions@gmail.com aquatic-aeration-solutions.com





## SAULT STE. MARIE

July 8, 2025

RE: City of Sault Ste. Marie 2023 – 2024 Sustainability Report Outreach

Dear Mayor Shoemaker and City Council,

On behalf of the City's Environmental Sustainability Committee (ESC), I am writing to you to request a meeting following the discussion of the municipality's latest 2023 – 2024 Sustainability Report at the ESC meeting on Tuesday, May 13, 2025. The report revealed concerning trends, with community emissions increasing by 3% and corporate emissions rising by 5%, highlighting the need for urgent action and a re-evaluation of how the city weighs sustainability and climate change mitigation in Council decision making. A significant point raised was the lack of comment from most of Council when the report was on the May agenda. The ESC is disappointed by the perceived lack of urgency and is eager to help raise awareness and drive action on this critical matter.

The ESC expressed significant concern regarding these rising emissions and the lack of effective progress in our sustainability goals. During our discussions, it was clear that a collaborative approach across all city departments is essential to ensure that everyone understands the seriousness of the situation and the risks involved with a "business as usual" approach. Meaningfully addressing climate change requires strategic-level support as well as a clear commitment from leadership to drive effective action. At present, the climate impact statement on council reports is voluntary, which we feel undermines its potential to influence decision-making at the council level. We strongly urge that this be made a standard part of the review process. Furthermore, there must be strong linkages between the City's strategic sustainability goals and how day-to-day municipal operations, capital investments and incremental decisions support and/or inhibit progress to these goals.

In 2023, we wrote to the Mayor, Council, and Senior Management and outlined three short-term and three long-term priorities for consideration (enclosed). While we appreciated the responses of consideration from both the former CAO in 2023 and Tom Vair in 2024 and some items have been considered, we feel that these issues have yet to be adequately addressed. We recommended in our letter that Climate Action be made a top priority in the strategic plan update. While we appreciate that the City's net-zero target was incorporated into the infrastructure pillar of the recently updated strategic plan, the ESC feels that climate change is too critical to be treated as part of a broader category like infrastructure. Climate change is a global crisis, and addressing it deserves a dedicated focus of its own.

The ESC is committed to being part of the solution and effective action for a sustainable future. However, the support of the Mayor and Council is necessary to take the actions needed to achieve our goals. We look forward to your support in addressing these critical issues.

Sincerely,

*Donna Hilsinger*

Donna Hilsinger, Chair ESC

**Where you belong.**

CITY OF SAULT STE. MARIE

Page 88 of 95

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# SAULT STE. MARIE

2023 June 6

Dear Mayor Shoemaker, Council & City Senior Management,

Climate change is the defining issue of our time and we only have seven years left to reduce our emissions to limit global warming to 1.5 degrees Celsius above pre-industrial levels or face irreversible economic, environmental and social impacts<sup>1</sup>. As well, the 2022 City corporate emissions inventory update shows that the City is not on track to meeting its emissions reduction goals, as corporate emissions have increased 10% since 2017<sup>2</sup>. A more united and aggressive corporate financial commitment and effort from all departments and Council is required to meet the City's target of net zero emissions by 2050.

The Environmental Sustainability Committee (ESC), a committee of Council was established in 2021 to support collaboration and advance projects as they relate to the enhancement of community environmental sustainability, which includes the implementation of the Sault Ste. Marie Community Greenhouse Gas Reduction Plan: 2020 - 2030. The ESC has seven (7) responsibilities that we utilize to accomplish this goal including, developing a list of priorities which support environmental sustainability for Council consideration as part of its annual budget cycle. In advance of the 2024 budget development, the ESC developed a list of three (3) short and three (3) long term priorities for Councils consideration. They are listed below.

## **ESC 2024 Top 3 Short Term Priorities**

### **1. Make Climate Change Action a top priority in the City's Strategic Plan update**

*This will ensure that the City starts allocating adequate resources and all departments work together towards meeting the City's greenhouse gas (GHG) Reduction targets.*

### **2. Conduct an annual 'Sustainability Audit' of the City's Budget**

*The sustainability audit would determine what is currently being spent to address City GHG Reduction targets and analyze on an annual basis to measure improvements and increase accountability towards emissions reduction efforts.*

### **3. Require City staff to have their climate impact statement on Council Reports reviewed by the Sustainability Coordinator**

*Currently, departmental leads, City Finance, Legal and the CAO review all corporate Reports to Council and must sign off on the report before it is approved for the Council Meeting agenda. The new Climate Impact section on Council Reports is currently voluntary. A mandatory review by the Sustainability Coordinator would encourage corporate wide use of the section and increase awareness, consideration and adoption of measures/projects that both mitigate and/or adapt to climate change.*

<sup>1</sup> Intergovernmental on Climate Change (IPCC). (2018). Global Warming of 1.5°C. An IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty. Retrieved from: <https://www.ipcc.ch/sr15/>

<sup>2</sup> Sault Ste. Marie Corporate Greenhouse Gas Emission Inventory Update: 2022. Retrieved from: <https://saultstemarie.ca/Cityweb/media/Community-Services/FutureSSM/2022-Corporate-Inventory-Methodology-Report-Final.pdf>

**Where you belong.**

CITY OF SAULT STE. MARIE

Page 89 of 95

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## ESC 2024 Top 3 Long Term Priorities

### 1. Establish a Corporate Environmental Social Governance (ESG) policy

*The policy would embed GHG emissions reduction targets into City operations, and require that all staff sign off to ensure adoption and normalize GHG reduction into everyday operational, business and investment thinking. The policy could address many different climate action initiatives such as linking sustainability to planning and engineering departments by using by-laws and zoning powers to reduce built environment emissions (e.g. build zero carbon standards into building new construction for municipal facilities), requiring electric-vehicle charging stations in all new or retrofitted buildings, mandating zero-emissions heating systems, etc.)*

### 2. Develop a green development standard (GDS)

*This would create incentives or reduce barriers to new developments and/or built environment retrofits that deliver environmental, social and economic benefits and prepare the local market for higher levels of building energy performance beyond the minimum standards adopted from the provincial building code. GDS can catalyze the local building sector to voluntarily meet net zero levels of energy / emissions from new buildings before provincial building codes are available and are a low cost means to influence the community's built environment through input in the design / permitting and post construction stages of new development.*

### 3. Develop a corporate sustainable roads approach and/or strategy

*The road sector produces the highest level of greenhouse gas, directly, through fossil energy used in mining, transportation, paving works and also through the emissions coming from vehicles who use the roads. This would look at ways for the City to reduce lifecycle, as well as embodied carbon emissions from road construction, maintenance and design. Road construction and maintenance emission reduction opportunities include, but are not limited to looking for ways to reduce emissions associated to building materials such as asphalt and cement, including excavating materials (e.g. require a certain amount of recycled and renewable materials for building new roads, using low or zero emission equipment for construction). For road design, considerations to connect neighborhoods, encourage active transportation (e.g. every road reconstruction include an active transportation audit) and utilize naturalization landscape elements (e.g. bioswales) and low impact development should be considered, following the complete streets approach.*

Thank you for your attention and taking the time to read this letter. We expect that you will respect the priorities that this integral committee of Council have recommended, and that they will form a foundation for 2024 budget discussions and climate action strategies in your administration and management of the City of Sault Ste. Marie. The ESC jointly feels that these priorities will assist in supporting the City's environmental sustainability policies, plans and practices and continuous improvement towards the City's goal of net zero emissions by 2050. We look forward to hearing from you with a response in advance of the 2024 budget approval.

Sincerely,

**Donna Hilsinger, Chair, ESC Citizen Representative**

c:

Mark Britton, ESC Vice Chair & Citizen Representative & Business Development, PUC

Andre Riopel, ESC Citizen Representative

Andrew Judge, ESC Citizen Representative & Assistant Professor, Anishinaabe Studies, Algoma University

Councillor Corey Gardi, ESC Councillor Representative

Erik Emilson, ESC Citizen Representative & Research Scientist, Natural Resources Canada

Ngaire Roubal, ESC Citizen Representative & Senior Policy Advisor, Ministry of Natural Resources and Forestry

Tobin Kern, ESC Citizen Representative

Victoria Prouse, ESC Citizen Representative & Senior Policy Advisor, Ontario Ministry of Transportation



**SAULT  
STE. MARIE**

# **Environmental Sustainability Committee Meeting**

Tuesday July 8, 2025 4:00 – 5:30 PM

***\*NB: ESC meetings are fast paced. Please come prepared by reviewing the materials in advance.***

## 8. Staff Update

- ESC GIF TOR Update (delayed to August 2025)
- Corporate EV Charging Study (WIP)
- Transit Depot Solar Project (WIP)
- John Rhodes Roof Replacement Project (WIP)
- FCM CEF Phase 2: Program Design for a home-grown community retrofit program in SSM (going to council to advise on Vendor selection)
- 2023 Sustainability Report (COMPLETE)
  - 2023 Corporate Inventory
  - 2022 Community Inventory Update
- 2024 City of SSM Energy Conservation and Demand Management Plan (WIP)
- Eco-corridor Project – fieldwork week of August 11<sup>th</sup>
- BNZ final deliverable – business case and draft Green Development guidelines (voluntary) and plan for implementation – ETA mid-2027
- EV Showcase #3 – complete at Queen Street Cruise June 21<sup>st</sup> in partnership with PUC and Sault Climate Hub, prize pack donated by Wirelesscom
- 2024 O.Reg 25/23 BPS Complete

## 8. Staff Update

### 2025 City Nature Challenge

Within Algoma and Chippewa County there were 2,625 observations and identified 569 species identified. This project was run in partnership with the City of Sault Ste. Marie, the Sault Ste. Marie Region Conservation Authority, the Kensington Conservancy, the Chippewa Luce Mackinac Conservation District and the Sault Naturalists

### **2025 Bike Week**

Bike Week is from May 31 to June 6. The Sault Cycling Club, in partnership with the City of Sault Ste. Marie and Algoma Public Health invite residents celebrate the fun of cycling with a full week of good times. [Click here](#) to learn more.

## 9. Next Meeting

- Tuesday, October 7, 2025, 4:00 – 5:30 PM)
- Regular Meetings – In-person participation strongly encouraged



**Thank You. Questions?**