

2022
Annual
Report

Charter Members



PRESIDENT'S MESSAGE

Jason Combe

2022, one for the books.

We had an exciting year.

We have a number of accomplishments over the last year:

- Successfully delivered on our Sector Council mandate.
- Delivered our largest Emerging Issues conference and set the standard for years to come.
- Provided input to the regulatory agencies on behalf of our members and represented sectors.

The above are but a small portion of the accomplishments that are contained within this annual report are the result of all the hard work of our staff and volunteers. Without their dedication and hard work none of this would have been realized.

To all of you, a heartfelt thank you, and as I have been known to say, you are the heartbeat of the association.

To the Board, it has been a pleasure working with you and I value each of your opinions and advice.

To the membership, sponsors, and partners, I want to thank all of you for sticking with us and supporting us through this past year and into the future.

You are the association.

As in previous years, I ask this of you all:

- If you see something you like, let us know.
- If you see something you dislike, let us know as well.

It is only through discussions like these that we can provide the resources and services that are valuable to you.

As I conclude this year's report, the message is that together we can work towards achieving a sustainable future.

I wish each of you, health, happiness, and prosperity.

Jason Combe,
MEIA President



EXECUTIVE DIRECTOR'S MESSAGE

Jack Winram

Time for that annual reflection on the past year. And every year I look back I am always surprised. As the Executive Director for the Association, together with our amazing staff team, we are in the thick of it every day, our heads down, emersed in the moment and the tasks in front of us. So, when I stop to look behind me, or literally look inside this annual report, and see all that we accomplished I surprise myself on how much as an organization we actually accomplished.

In 2022, MEIA delivered 26 workshops, information sessions, and events with a total of 692 participants. That doesn't include the 600 people who attended our Emerging Issues Cleantech Conference where we showcased topics regarding green transportation, alternative energy, waste management and Environmental Social Governance. The conference was the highlight of the year in my mind.

It was the largest event ever held by MEIA and we received tremendous feedback response on how much attendees enjoyed it.

In the midst of all the planning for the conference and our regular fall programing, we also submitted our proposal for the next four year cycle of funding for our industry workforce development in the Natural Resource, Energy and Environment sector under the provinces Sector Council Program. I am very pleased to say that MEIA was successful in receiving this renewal for another four years beginning April 1, 2023. This puts us in a good position to continue the support for our members and the growth in our industry sector.

I am confident you will enjoy reading this years Annual Report!

Jack Winram,
Executive Director



TREASURER'S MESSAGE

Travis Toet

2022 was a year of significant growth for the Manitoba Environmental Industries Association (MEIA) as the organization continued to leverage its expertise to deliver additional programs and services.

MEIA continued its role as Manitoba's Sector Council for Natural Resources, Energy & Environment. As a Sector Council, MEIA received \$460,000 in funding from the Province of Manitoba Economic Development, Investment and Trade.

Key financial highlights for the year are as follows:

Total revenues for 2022 were \$1,199,000, consisting of \$460,000 from our core funding, \$437,000 from various grants and contracts, \$54,600 from membership dues, \$168,000 from professional development programs and events and \$80,000 from other grants and sponsorships.

Total expenses for 2022 were \$1,205,700 consisting of \$650,000 directly related to delivering professional development programs and events in 2022, \$380,000 for staff salaries and benefits, \$70,000 in contract staff for industry-specific expertise, and \$105,700 for overhead costs which include items such as office rent, marketing, and maintenance.

A small loss of \$6,700 is primarily due to ordinary holdbacks on government funding contracts that will be received at the end of these contracts.

At December 31, 2022, MEIA has net assets of \$231,000 including cash of \$1,388,000. Most of the organization's liabilities are due to deferred revenue, which is related to the strong cash position of the organization. Consistent with previous years, MEIA demonstrates prudent financial management to manage cash flow and maintain sufficient net assets to ensure the future operations of the organization. This on-going financial management approach has allowed MEIA to successfully deliver over \$425,000 in additional grants and contracts for program delivery that the organization did not previously offer.

Thank you to all our members and funding partners for continuing to support MEIA. We look forward to continuing to make a difference in the Cleantech, Natural Resources, Energy, & Environment Industries of Manitoba.

Travis Toet,
MEIA Treasurer

BOARD OF DIRECTORS 2022



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Jason Combe
Pinchin Ltd.



Vice President

Dustin Warelis
Canadian Dewatering



Secretary

Dean Kasur
Manitoba Hydro



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Travis Toet
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Miller Environmental
Corporation



Board Director

Steve McCabe
GFL



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Buller School of Business,
Providence University College

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BA, MCP, ACMCP
Industry Workforce
Consultant, EDIT



Wayne Clayton
Manitoba Sustainable
Energy Association

STAFF

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Jack Winram

Industry Workforce Development Manager

Melissa Dorota

Project Manager, Drinking Water Safety

Annette Woodroffe

Finance & Office Administrator

Sarah Neil

Programming & Training Coordinator

Heather Roscoe

Marketing & Communications Coordinator

Delaney Read

Summer Student Administrative Assistant

Julia Tays

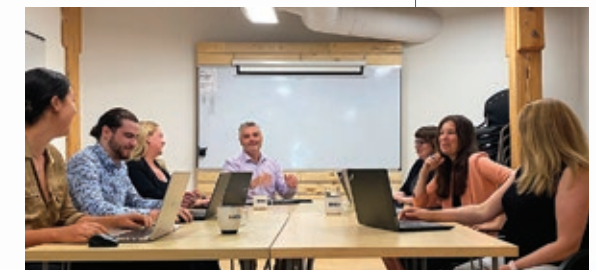


(FROM LEFT TO RIGHT)

Back row: Sarah Neil, Adam Shaw,
Everley Miles, Greg Miles,
Jack Winram, Carol Finlay.

Front row: Daniel Friesen,
Delaney Read, Julia Tays,
Heather Roscoe, Melissa Dorota

Julia Tays,
Adam Shaw,
Melissa Dorota,
Jack Winram,
Sarah Neil,
Heather Roscoe,
Annette Woodroffe



GOVERNANCE AND STRATEGIC PLANNING COMMITTEE

Bruce Duggan
Boke Consulting

Dustin Warelis
Canadian
Dewatering

Jason Combe
Pinchin

Jack Winram
MEIA

MEIA DEB TARDIFF SCHOLARSHIP COMMITTEE

Jason Combe
MEIA Board
Member

Dawn Fraser
Student
Chapter Advisor

Tyler Nelson
Industry
Representative

Anika Hatherly
Student
Chapter Chair

Heather Roscoe
MEIA Student
Chapter Lead

New in 2022

New Cleantech Startup Membership Rate

MEIA's Board of Directors approved a new Cleantech Startup Membership rate of \$100 recognizing the importance of the growing number of new cleantech environmental companies entering the market where full commercialization is not yet realized. For MEIA this discounted membership is another way to help support the cleantech sector, but also to establish what we hope will be a long time member for the organization.

Lead in Drinking Water Grant

MEIA, with funding provided by the Manitoba government, is offering a Lead Mitigation Grant Program until March 31, 2024. The program offers schools and child care centres grant funding to test drinking water for lead and to address elevated lead test results.

Cleantech Conference Funding Agreement Secured

3-year funding agreement secured through Prairies Canada for \$25,000/year to support the MEIA Cleantech conference to 2024.

Manitoba Environmental Workforce Needs, Trends and Challenges Report

MEIA engaged ECO Canada to create the following report: Manitoba Environmental Workforce Needs, Trends and Challenges: Labour Market Outlook to 2025.



MEIA in the News

Manitoba Environmental Industries Association Impressed with Selkirk's Sustainable Economic Development

<https://www.myselkirk.ca/blog/2022/08/11/environmental-industries/>

Economic Development Winnipeg - An Inside Look at Manitoba's Flourishing Green Sector: Why Manitoba is well positioned to become a global environmental leader

<https://www.economicdevelopmentwinnipeg.com/main/newsroom/read.post/988/an-inside-look-at-manitoba-s-flourishing-green-sector>

Winnipeg Free Press: Federal, provincial programs aim to help with home energy efficiency

<https://homes.winnipegfreepress.com/winnipeg-real-estate-articles/new-homes/Federal-provincial-programs-aim-to-help-with-home-energy-efficiency/id-8154>

Winnipeg Free Press: Registered Energy Advisor Training program brings opportunity

<https://homes.winnipegfreepress.com/winnipeg-real-estate-articles/new-homes/Registered-Energy-Advisor-Training-program-brings-opportunity/id-7895>

Programming & Events



Hazardous Waste Operations and Emergency Response

**HAZWOPER/
NFPA 472 TRAINING**
JANUARY 31 – FEBRUARY 3
13 PARTICIPANTS

*Instructed by Bart Taylor,
HAZ-MATTERS Emergency
Management Inc.*

The 4-day HAZWOPER/NFPA 472 course focuses on what Hazardous Materials are, how they are classified, what we need to think about in order to approach them, and how to evaluate and simply understand their toxicological effects. This training covers the clearly defined methods and protocols used by HazMat Specialists internationally to ensure that personnel operate in the safest possible manner.

Myth Busting Federal Procurement Workshop

MARCH 1
19 PARTICIPANTS

*Presentation by Kris Ruiter,
Chief of Stakeholder Engagement,
Procurement Assistance Canada
of Public Services and Procurement
Canada in Western Region*

MEIA partnered with Public Services & Procurement Canada and Supply Chain Manitoba to deliver a myth busting webinar about the fundamentals of federal procurement – how much they buy, what they buy, who they buy from, as well as how to leverage data – supply chain opportunities, supplier registration and how small business can find opportunities for procurement with the federal government.

This free webinar is available on the MEIA website <https://meia.mb.ca/meia-webinars/>

Indigenous Business and the 5% of Federal Contracts Workshop

MARCH 15
64 PARTICIPANTS

Presentations by:

*Mike Ricci, Senior Program Officer
at Indigenous Services Canada*

*Kris Ruiter is the Chief of
Stakeholder Engagement,
Procurement Assistance Canada
of Public Services and Procurement
Canada in Western Region*

*Cherry Riley, Western
Regional Service Line Leader,
Contract Services at Defence
Construction Canada*

MEIA partnered with Public Services & Procurement Canada and Supply Chain Manitoba to deliver this webinar. The presentation provides an overview for Indigenous businesses to sell to the government of Canada, including the role of Indigenous Services Canada and Procurement Assistance Canada, set-asides, standing offers, supply arrangements and more. This free webinar is available on the MEIA website.

<https://meia.mb.ca/meia-webinars/>



Water/Waste Water Install Course

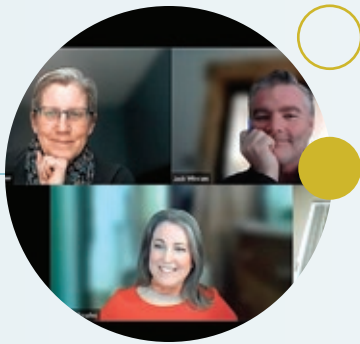
MARCH 14 – APRIL 1
10 PARTICIPANTS
IN CROSS LAKE

AUGUST 9 – AUGUST 26
7 PARTICIPANTS
IN BERENS RIVER

Instructed by Ken Mills

MEIA partnered with the Manitoba Construction Sector Council (MCSC) to develop and deliver a water distribution wastewater installer micro credential for Indigenous communities. Graduates of this course are not only better prepared to work with installation contractors in community but will also be well positioned to work toward training on careers in water and waste water operation. Participants learn the basic of water line, septic system and lift station installation. The

lessons delivered are specific to the water system training required in that community. Course materials designed for the community will remain in the community for future reference. Clients who successfully complete the program may ladder to other water and wastewater training including, but not limited to, the MEIA/MCSC water distribution, water operator micro-credential (2021) and the Red River College, Water and Waste Water Training and Certification.



Green and Sustainable Procurement and Supply Chain Panel

MARCH 22
46 PARTICIPANTS

Presentations by:

Stefanie Bowles, Project Manager, Green and Clean Technology Procurement Team

Strategic Policy Sector, Public Services and Procurement Canada

MaryAnn McCreight-Balshaw, MSc, CPPB,

Advisor, Contract Quality Assurance, Business Advisory Services / Western Region

Public Services and Procurement Canada / Government of Canada

Kris Ruiters, Chief of Stakeholder Engagement, Procurement Assistance Canada of Public Services and Procurement Canada in Western Region

MEIA partnered with Public Services & Procurement Canada and Supply Chain Manitoba to deliver this webinar. The panel discussed the Greening Government Strategy Cabinet Directive, Green & Clean Tech Commitments and Green Procurement Requirements, as well as green and sustainable procurement activities in the Western Region. This free webinar is available on the MEIA website.

<https://meia.mb.ca/meia-webinars/>



Hazardous Waste Operations and Emergency Response

HAZWOPER/NFPA 472 IN THOMPSON, MB - MARCH 28-31
11 PARTICIPANTS

Delivered in partnership with University College of the North.

Instructed by Bart Taylor, HAZ-MATTERS Emergency Management Inc.

The 4-day HAZWOPER/NFPA 472 course focuses on what Hazardous Materials are, how they are classified, what we need to think about in order to approach them, and how to evaluate and simply understand their toxicological effects. This training covers the clearly defined methods and protocols used by HazMat Specialists internationally to ensure that personnel operate in the safest possible manner.

MEIA presenting to Red River College Polytech students about the MEIA Student Chapter

MARCH 30
22 PARTICIPANTS

MEIA presented virtually to RRC students about MEIA and the student chapter.



MEIA AGM

APRIL 26
40 PARTICIPANTS

Presentation by Rick Reid, Supply Chain Manitoba - Circular Economy Initiative and Glenn Laycock, Northern Manitoba Sector Council.

MEIA Lifetime Achievement Awards: Vaughn Bullough, Wayne Digby

MEIA Deb Tardiff Scholarship awards: Cailin Hesketh-Jost and Kelsey Margraf presented by Gold Supporter Miller Environmental



MEIA Open House & AGM Reception

APRIL 26
35 PARTICIPANTS

Following the AGM, attendees were welcomed upstairs to enjoy some refreshments and in-person networking at MEIA's Open House. The networking event brought together industry, sector councils, partners and collaborators.



Soil Sampling

MAY 25
6 PARTICIPANTS

In partnership with the University of Manitoba

Instructed by Zac Moorhead, Dillon Consulting; Oleksandr Busel, ALS Environmental; Michelle Michalchuk, ALS Environmental; Allison Neto, ALS Environmental; Petro Oh, Bureau Veritas; Kurt van Linge, Maple Leaf Drilling

This course provides hands on field instruction in soil sampling and drill rig safety. Participants gain practical experience in aspects of environmental soil, water, and air sampling. There is also an overview of provincial and federal regulations as they pertain to environmental site assessments; and a discussion on laboratory analysis of parameters commonly considered in Manitoba.

The University of Manitoba offers 1.5 credit hours for taking this full day course, as well as the Potable Water and Groundwater Sampling Workshop.

Potable Water and Groundwater Sampling Workshop

MAY 26
6 PARTICIPANTS

In partnership with the University of Manitoba

Instructed by Laura Gallagher, Pinchin Ltd. and Kurt van Linge, Maple Leaf Drilling

This course is designed provide students with an understanding of typical groundwater impacts focusing on the differences between light and dense non-aqueous phase liquids (LNAPL and DNAPL). The course includes the theory behind groundwater well installation, groundwater development, and purging and sampling including groundwater well volume and recharge related calculations. Students assist with development, purging and sampling of an on-site groundwater well and collect potable water samples.

The University of Manitoba offers 1.5 credit hours for taking this full day course, as well as the Soil Sampling session.



Introduction to Environmental Law in Manitoba

MAY 26
7 PARTICIPANTS

Instructed by Randy Webber

This course provides an overview of Environmental Laws in Manitoba, including a brief history and purpose of environmental law with a specific focus on Environmental Assessment, the Environment Act, the Dangerous Goods Handling and Transportation Act and the Contaminated Sites Remediation Act. All registrants receive an updated Primer on Manitoba Environmental Law.

Newcomers to Manitoba Employment Training Opportunity Info Session: Become a Registered Energy Advisor

MAY 27
120 PARTICIPANTS

Presentations by Ramir Diaz, Manitoba Construction Sector Council and Melissa Dorota, MEIA

Newcomers to Canada learned more about the Registered Energy Advisor Program. Delivered in partnership with the Manitoba Construction Sector Council.



Introduction to Environmental Law in Manitoba

JUNE 2
7 PARTICIPANTS

Instructed by Randy Webber

This course provides an overview of Environmental Laws in Manitoba, including a brief history and purpose of environmental law with a specific focus on Environmental Assessment, the Environment Act, the Dangerous Goods Handling and Transportation Act and the Contaminated Sites Remediation Act. All registrants receive an updated Primer on Manitoba Environmental Law.

Emergency First Aid with CPR/Level C & AED

12 PARTICIPANTS

The MEIA, in partnership with Canadian Red Cross, offer First Aid training in Emergency First-Aid w/ CPR Level C (3-year Canadian Red Cross Certification in First-Aid w/ CPR Level C and AED). This course provides the skills needed to recognize and respond to cardiovascular emergencies and choking for Adults, Children and Infants. It includes training in the use of an Automated External Defibrillator (AED) as well as basic first aid. The course is Manitoba Workplace Health & Safety approved. This course is available throughout the year through MEIA for MEIA Members only.

Customized industry First Aid can be arranged through MEIA for its members on company schedule and location (MEIA has a classroom available or we can come to you) – contact us if interested.

Hazardous Waste Operations and Emergency Response

HAZWOPER / NFPA 1072
IN THE PAS
JULY 18-21
19 PARTICIPANTS

*Instructed by Bart Taylor,
HAZ-MATTERS Emergency
Management Inc.*

*First ever delivery of
HAZWOPER in The Pas. Sold out*

The 4-day HAZWOPER/NFPA 1072 course focuses on what Hazardous Materials are, how they are classified, what we need to think about in order to approach them, and how to evaluate and simply understand their toxicological effects. This training covers the clearly defined methods and protocols used by HazMat Specialists internationally to ensure that personnel operate in the safest possible manner.



Safety First: 4R Hazard Awareness Training

JULY 27 & 28
16 PARTICIPANTS

Instructed by Randy Webber

Delivered in Bunibonibee Cree Nation in partnership with Indigenous Services Canada and Green Action Centre.



Hazardous Waste Operations and Emergency Response

HAZWOPER / NFPA 1072
IN PINAWA
AUGUST 8-11
13 PARTICIPANTS

*Instructed by Bart Taylor,
HAZ-MATTERS Emergency
Management Inc.*

*First ever delivery of
HAZWOPER in Pinawa. Sold out*

The 4-day HAZWOPER/NFPA 1072 course focuses on what Hazardous Materials are, how they are classified, what we need to think about in order to approach them, and how to evaluate and simply understand

their toxicological effects. This training covers the clearly defined methods and protocols used by HazMat Specialists internationally to ensure that personnel operate in the safest possible manner.

Safety First: 4R Hazard Awareness Training

AUGUST 11 & 12
13 PARTICIPANTS

Instructed by Randy Webber

Participants from Black River First Nation, Fisher River Cree Nation, Little Saskatchewan First Nation, Peguis First Nation, Pine Creek First Nation, and Green Action Centre. Participants toured the Peguis landfill where staff showcased their indoor recycling facility with a baler and indoor storage shed as well as the many materials the facility is diverting and recycling. Including a full Household Hazardous Waste Depot with the Product Care Association. Delivered in partnership with Indigenous Services Canada and Green Action Centre.

Manitoba Association of Regional Recyclers Workshop & Tour

OCTOBER 11
120 PARTICIPANTS
PER SESSION

MEIA support contributed to the following sessions:

- Indigenous Zero Waste Technical Advisory Group
- Green Action Centre First Nation Waste Minimization Program. GAC offers a variety of resources and services to Manitoba First Nations to support minimizing waste and recycling at home, school and in the community.
- The importance of training for waste management workers

Certified Fall Protection Equipment Inspector Training

OCTOBER 12 & 13
9 PARTICIPANTS

Instructed by Vallen

*Delivered in partnership with the
Tantalum Mining Corporation of
Canada Ltd.*

This two-day course specifically prepares participants to deliver 3M's Equipment Inspector training program. The first portion of this program will develop participants' understanding of content as they complete the Equipment Inspector program (course #6411). The second portion of the program will focus on developing attendees as future instructors of the course material. During this portion, participants will review all provided instructor material, including course lesson plans, guides, and delivery policies. The course will culminate with a final assessment of their ability to deliver the prescribed program. Upon completion of this Certified Instructor program, successful course participants will receive a certificate indicating their ability to deliver the specific 3M Safety Training Equipment Inspector program (course #6411).

Webinar: Are You Ready for \$170 Per Tonne – Risks and Opportunities in Carbon Pricing

OCTOBER 25
10 PARTICIPANTS

*Presentation by Alex Stuart,
Carbon Block*

Delivered in partnership with the Bioscience Association Manitoba. Carbon Block presented about new developments that Industry should be aware of concerning carbon markets, and how can industry not just survive but thrive both domestically and internationally.



ISO 14001: Environmental Management System – Awareness Course for Senior Executives

OCTOBER 27
5 PARTICIPANTS

*Instructed by Yogendra Chaudhry,
Vice President, Professional
Services & ESG, ECO Canada*

*Delivered in partnership with
ECO Canada.*

The ISO 14000 series of standards provide practical tools for organizations looking to identify and control their environmental impact and continually improve their environmental performance. ISO 14001:2015 sets out the criteria for an environmental management system for any organization to follow and can be certified to. The standard provides a framework that an organization can follow to set up an effective environmental management system. The ISO 14001 Awareness Course for Senior Executives, ISO 14001 Awareness Course, and the ISO 14001 Internal Auditor's Training Course are offered in partnership with ECO Canada.

Manitoba Prospectors and Developers Association Short Courses

NOVEMBER 14
20 PARTICIPANTS

MEIA attended and supported the Water and the Environment Considerations for Mineral Exploration workshop as part of the Manitoba Prospectors and Developers Association Short Courses event.



Networking 101 Workshop

NOVEMBER 22
32 PARTICIPANTS

*Instructed by Lisa MacPherson,
Career Counsellor,
University of Manitoba*

Students learn the how-to of networking for business. This event was designed to help support students attending the Emerging Issues Cleantech conference but was open to anyone interested in learning more about networking in a professional setting.

MEIA Green Dragon's Lair

NOVEMBER 30

Cleantech startup companies compete for the chance to pitch in front of the audience of 600 at the Emerging Issues Cleantech conference and win \$10,000. The top 4 finalists received one-on-one coaching from pitch expert Joe Cattani to help them pitch their best. The top ten finalists were showcased on the conference website as well as on a slideshow at the conference and were invited to attend.

MEIA Collaborations

Manitoba Career Prospects Virtual Career Fair

JANUARY 19

MEIA staff met with students virtually to answer questions about jobs in the environmental sector and promote the student chapter.

Asbestos Disposal at a Landfill Document

JANUARY 28

MEIA solicited feedback from Industry on the Asbestos Disposal at a Landfill document. MEIA submitted the feedback anonymously to Manitoba Conservation & Climate for review. After which, the department revised the guideline.

Niverville High School Workforce Development Industry Café

FEBRUARY 16

MEIA presented about MEIA programming and jobs in the environmental industries.

Manitoba Prospectors and Developers Association (MPDA) Manitoba Mineral Industry Reconciliation Gala

MARCH 17

MEIA attended the gala and hosted an exhibitor booth.

Sustainable Building Manitoba Building Resilience Gathering: Pathway to Progress 2022

MARCH 24

MEIA spoke on the panel Sustainable Building Training Development in Manitoba: How can we ensure our workforce is ready for the future? This panel discussed new developments in training in Manitoba and included an overview of the Registered Energy Advisor program and Passive House construction training.



Manitoba Sustainable Energy Association (ManSEA) AGM and Sustainable Energy Conference

APRIL 6

MEIA presented about the Energy Advisor Program and hosted a booth at the event.

Manitoba Prior Learning and Assessment Network (MPLAN)

MAY 24

MEIA presented at the event about the Registered Energy Advisor program.



Bioscience Association Manitoba Funding Day

MAY 25

MEIA hosted a booth, addressed the audience and participated in the "speed dating" networking event.



Okimaw Nations Conference

MAY 26

MEIA hosted a booth and addressed the audience at the conference.



MEIA Tours the City of Selkirk

JULY 28

MEIA visited Selkirk to tour the city's old and new Wastewater Treatment Plants and learn more about Selkirk's sustainable development policies, practices, and unique environmental projects. MEIA also toured Gerdau, the city's largest employer, Manitoba's largest recycler and the hub of Manitoba's steel industry.

Building Efficiency Technology Access Centre (BETAC) Tour

AUGUST 16

MEIA toured the BETAC facility at Red River College Polytech.



MEIA Industry Tour of Northern Manitoba

AUGUST 29 - SEPTEMBER 2

MEIA met with industry in The Pas, Flin Flon, and Thompson. Special thanks to Glenn Laycock Executive Director of the Northern Manitoba Sector Council (NMSC) who invited MEIA to present to the NMSC members including meetings with industry Canadian Kraft Paper Industries Ltd., Arctic Gateway Group, Vale, and Hudbay Minerals Inc. and MB Workforce Training and Employment. Plus local meetings with University College of the North and the Northern Manitoba Mining Academy.

MEIA plans to continue to expand its environmental and other programming to support industry and jobs in the north.



Cultivate Conference

SEPTEMBER 7

MEIA hosted a booth and attended the conference. Delivered by Food & Beverage Manitoba.



Manitoba's Strategic Roadmaps for Digital Agriculture and Sustainable Packaging

SEPTEMBER 27

Event hosted by Manitoba Industry-Academia Partnership

MEIA spoke on the panel for Sustainable Packaging alongside Supply Chain Manitoba and Food and Beverage Manitoba to discuss the current challenges and what is needed to enable access to sustainable packaging in Manitoba.

Meeting with Ministers

SEPTEMBER 27

MEIA met with the Honourable Jeff Wharton, Minister of Environment, Climate and Parks & Cliff Cullen, Minister of Economic Development, Investment and Trade.



ECO Canada Environmental Professional Meet-up

SEPTEMBER 29

MEIA attended the casual meet and greet of Environmental Professionals in Winnipeg.



Mining Association of Manitoba Inc Mix & Mingle Reception

OCTOBER 6

MEIA attended the Mining Association of Manitoba Inc (MAMI) networking event at the Legislature Rotunda to meet with industry and stakeholders.

Manitoba Association of Regional Recyclers Forum

OCTOBER 12

MEIA hosted a booth and attended the forum.



Remediation Technologies Symposium (RemTech)

OCTOBER 12-14

MEIA attended the 3 day conference, meeting with industry stakeholders from across Canada.

Building Owners and Managers Association Manitoba Building Conference and Expo

OCTOBER 18

MEIA hosted a booth to speak with building managers and owners about various MEIA courses and training.



Vocational Teachers Association of Manitoba Sage Day

OCTOBER 21

MEIA hosted a booth to speak with vocational teachers about the MEIA student Chapter, Dragon's Lair pitch competition and sustainability in vocational programs.

Central Canada Mineral Exploration Convention

NOVEMBER 14 & 15

MEIA hosted a booth and spoke with delegates about MEIA programming at the Central Canada Mineral Exploration Convention.



Women in Trades Conference

NOVEMBER 16

Presented by Manitoba Construction Sector Council. MEIA hosted a booth and spoke on a panel for this event.

SubZero North Conference

NOVEMBER 16

MEIA attended and supported the SubZero North conference.

Niverville High School Presentation

DECEMBER

Randy Webber presented to high school students about careers in the environmental industries on behalf of MEIA.

Water/Waste Water
Install Course
Cross Lake
Grads



Partnerships

Indigenous Housing Inspector Program

MEIA received Incubation Funding from the Canadian Mortgage and Housing Corporation (CMHC) for the Housing Supply Challenge – Getting Started round. With this funding, MEIA created the Indigenous Housing Inspector Program (IHIP). MEIA developed curriculum to train community members in their First Nation community to become home inspectors while providing their community with an inventory assessment of the condition of the homes.

Collaborative Research and Training Experience Program (CREATE)

Mentoring and Training the Next Generation of Environmental Researchers Working in the Indigenous North - MEIA is partnering in this project led by the University of Manitoba to build research and employment opportunities for Indigenous students in Natural Science and Engineering.

Registered Energy Advisor Program

MEIA continued to work with partners to promote and deliver the Registered Energy Advisor program. The program was developed by MEIA in partnership with Red River College Polytech, Efficiency Manitoba, Sustainable Building Manitoba, PrairieHOUSE Performance Inc., Manitoba Home Builders Association, Manitoba Construction Sector Council in 2021.

Manitoba Indigenous Landfill Operator Training Program (ILOT)

Building on work undertaken by an ad hoc group of interested stakeholders, MEIA is developing a comprehensive workforce development plan for waste management workers operating within First Nation and Indigenous communities in Manitoba.

Ad Hoc Working Group:

- MEIA
- Indigenous Service Canada (ISC)
- Manitoba Environment,
- Climate & Parks
- Green Action Centre
- Independent consultants



LABOUR MARKET INFORMATION

Manitoba Environmental Workforce Needs, Trends and Challenges

Labour Market Outlook to 2025

July 2022



MEIA contributes to the following committees and working groups:

- Sustainable Building Manitoba Training Working Group
- Sustainable Packaging in Manitoba Strategic Roadmap for 2022-2025
- Immigration Partnership Winnipeg (IPW) Employment Sector Table Working Group
- Manitoba Common Ground Alliance

Environmental Job Market in Manitoba Report

MEIA engaged ECO Canada to create a report of the environmental job market in Manitoba (current to 2025). The development of this report included a scan of other environmental workforce data produced for Manitoba and created a comparative analysis of green workforce definition/scope, methodology, and results across the different publications, including Workplace Education Manitoba labour market information reports.

Student Chapter



2022-23 STUDENT CHAPTER COMMITTEE

Chair

Anika Hatherly

Vice Chair

Lindsey Solmundson

Event Coordinator

Piper Nelson

Event Coordinator

Annika Niblock

Student Engagement Director

Tolgonai Artykbai Kyzy

Social Media Manager

Zeba Patel

Creative Marketing Coordinator

Klara Gagnon

Sponsorship Coordinator

Shekhar Dasgupta

2022-23 STUDENT CHAPTER MEMBERSHIP

The MEIA Student Chapter has 86 Members for the 2022-23 year.

This committee updates the MEIA on student chapter activities and invites discussion and direction on relevant activities. It is intended for the university or college student who wishes to enhance their knowledge of the environmental industry and to network with potential employers.

While the Student Chapter operates under the guidance of the MEIA Board and Staff, the student members work independently and are represented by their own Executive Committee.



MEIA Deb Tardiff Memorial Scholarship Fund

In memory of Deb Tardiff, tireless advocate of MEIA's Student Chapter, MEIA created the Deb Tardiff Scholarship to honour her legacy and support Manitoba students. The scholarship fund is now accepting contributions from industry partners who want to join in the legacy in support of talented new entrants to the environmental sector.

These \$1,000 scholarships are open to all Manitoban post-secondary students from all disciplines.

Congratulations to the 2022 Deb Tardiff Scholarship Award recipients: Kelsey Margraf and Cailin Hesketh-Jost!

Thank you Gold Sponsor Miller Environmental and to all of our donors for your generous contributions in support of the Deb Tardiff Scholarship Fund!

Student Chapter Programming

Discovery Night Webinar Series #1: Native Plant Identification

FEBRUARY 8

Bryana Nicolas from Native Plant Solutions presented to students about Native Plant Identification.

Keynote Speaker:

Stephan Plugmacher Lima, Dean of Clayton Riddell Hall, University of Manitoba

Following the presentations, students met with mentors to ask them questions about careers and working in the environmental industry.

Mentors: Kale Kostick, University of Manitoba; Dennis Cunningham, Assiniboine Credit Union; Kelsey Margraf, Manitoba Hydro

Discovery Night #2: Environmental Site Assessment workshop

FEBRUARY 9

Katie Sinclair from KGS Group presented to students about Environmental Site Assessments.

Keynote Speaker:

Stephan Plugmacher Lima, Dean of Clayton Riddell Hall, University of Manitoba

Following the presentations, students met with mentors to ask them questions about careers and working in the environmental industry.

Mentors: Katie Sinclair, KGS Group and Lindsey Thompson, Manitoba Hydro

Discovery Night #3: Trauma – Informed Approach to Stakeholder Engagement Workshop

FEBRUARY 15

Heather Webb from Narratives presented to students about Trauma-Informed Approach to Stakeholder Engagement.

Following the presentations, students met with mentors to ask them questions about careers and working in the environmental industry.

Mentors: Heather Webb, Narratives Inc.; Jason Combe, Pinchin Ltd.; Leslie Goodman, University of Manitoba Faculty of Environment Earth and Resources; and Lauren Hayhurst, IISD-ELA

Speed Mentoring Night

APRIL 21

Students meet multiple mentors in a short time to ask specific questions about careers within the environmental industry.

Mentors: Joni Reimer, Research Technician Manager, Churchill Northern Studies Centre; Allison Mac Intyre, Zero Waste Coordinator at University of Manitoba Office of Sustainability; Sheena Porco, Environmental Operations Specialist, Price Industries

Student Chapter Recruitment Night

SEPTEMBER 29

Students come to learn about MEIA, the Student Chapter and sign up for their roll on the Student Chapter board.

Speed Mentoring Night

DECEMBER 8

Anneise Forsyth, project Scientist at SNC-Lavalin and student chapter alumni presented about projects she is working on followed by a Q&A period with the students.



2022

MEIA Emerging Issues Cleantech Conference

CLEAN TECHNOLOGY THE PATH TO NET-ZERO

SPEAKERS



**Morning
Keynote Speaker**

David Suzuki



**Afternoon
Plenary Speaker**

Jane McDonald



**Master of
Ceremonies**

Steve Patterson



**Opening
Blessing**

Chief Heidi Cook



**Reception
Entertainment**

Trio from Indian City

On November 30, 2022 MEIA held its annual Emerging Issues Cleantech Conference at the RBC Convention Centre. The event saw 600 attendees, Keynote speeches from David Suzuki and Jane McDonald, presentations from government officials, a 40-booth tradeshow, 6 breakout sessions, the Green Dragon's Lair Pitch Competition, and a networking reception.

MEIA received three-year funding from PrairiesCan to support the annual conference's success in the future!

Congratulations to Colby Sobchuk for winning the grand prize of a trip for two to Churchill! The runner up prize was a signed print The Earth is My Government by local artist Christi Belcourt.



Breakout Session 1: Carbon Offsets

Sponsored by Charbone Hydrogen

THEME

Clean Growth, Carbon Markets, Offsets, and Revenue Streams

MODERATOR

Travis Toet
EnerPure

SPEAKERS

Alex Roundtree
Manager, Environmental,
Health and Safety – Winpak

Alex Stuart
President and Co-Founder –
Standard Carbon Inc.

Breakout Session 2: Transportation

Sponsored by Supply Chain Manitoba

THEME

Alternate Fuels, Alternative Modes, Infrastructure, Innovation

MODERATOR

Margot Cathcart
Chief Executive Officer –
Rural Manitoba Economic
Development Corporation

SPEAKERS

Erin Cooke
Project Manager –
Winnipeg Transit

Ron Vanderwees
CEO – Vehicle Technology
Centre Inc.

Todd Burns
CEO – Cypher Environmental

Breakout Session 3: Natural Resources

Sponsored by SubZero North

THEME

Adoption of Cleantech in Natural Resource and Energy

MODERATOR

Hon. MaryAnn Mihychuk
Mihychuk Consulting, President of
the Prospectors and Developers
Mb, and former Mb Minister
of Employment, Workforce
Development and Labour

SPEAKERS

Bo Meng
Project Manager –
Canukshuk Animal Science Inc.

Tara Everett
Indigenous Relations
Coordinator – Canukshuk
Animal Science Inc.

Philip Gross
CEO – Snow Lake Lithium (virtual)

Ian Clifford
CEO – Fuel Positive

Breakout Session 4: The Future of Clean Energy

Sponsor: MLT Aikins LLP

THEME

Opportunities and Strategies

MODERATOR

Tanis Ostermann
Owner and Principal – CanSustain

SPEAKERS

Chief Glenn Hudson
Peguis First Nation

David Dabney
CEO – StarCore Nuclear

Joseph Saliba
FFI, Senior Engineer –
Fortescue Future Industries

Breakout Session 5: Waste Management

THEME

Green Technology, Solid Waste Management and Innovations – We Want Your Waste!

MODERATOR

Ben Lee
Director, Business Development –
Stantec

SPEAKERS

Steve Heard
Operations Manager –
GFL Environmental Inc.

Michael Mikulak
Executive Director –
Food and Beverage Manitoba

Raven Sharma
Utilities Manager, Wastewater
Treatment Plant – City of Selkirk

Breakout Session 6: Sustainable Buildings and Communities

Sponsor: Assiniboine Credit Union

THEME

Building Efficiencies and Technology

MODERATOR

Laura Tyler
Executive Director –
Sustainable Building Manitoba

SPEAKERS

Peter Kidd
Building Enclosure Engineer –
Efficiency Manitoba

Lanny McInnes
Executive Director – Manitoba
Home Builders Association

Matt Schaubroeck
CEO – ioAirFlow

Sonja Winkelmann
Senior Director, Net Zero
Energy Housing – Canadian
Home Builders' Association
(virtual)

Funding Opportunities Hub

MEIA is proud to present the Funding Opportunities Hub sponsored by Sustainable Development Technology Canada. The Funding Opportunities Hub is a free service to help link attendees of the Emerging Issues Cleantech Conference with potential funding opportunities.

Mentor for a Day

The Emerging Issues Mentor for a Day is a voluntary program connecting professionals with students studying in their field. The program introduces employers to talented new entrants to the workforce and helps students network and navigate what is possibly their first professional conference. This year we matched 45 students with 25 mentors! Thank you to all the mentors who volunteered their time and expertise and to everyone who participated.



Student Chapter Headshot Booth

Thank you to everyone who stopped by the headshot booth to donate to the Deb Tardiff Scholarship fund in exchange for a headshot by professional photographer Riley Martin from Riley Martin Media. Donations

from the booth raised \$600 towards the Deb Tardiff Scholarship fund! MEIA created the Deb Tardiff Memorial Scholarship in 2020 to honour Deb Tardiff, tireless advocate of MEIA's Student Chapter and to support talented new entrants to the environmental sector.



Green Dragon's Lair Pitch Competition

Sponsored by
Manitoba Technology Accelerator
Supported by
Bioscience Association Manitoba

The Green Dragon's Lair Pitch Competition offers select Canadian entrepreneurs and innovators the opportunity to pitch their cleantech product or technology to a panel of judges and attendees at the Emerging Issues Cleantech Conference for the chance to win \$10,000!

Congratulations to the final four who made it to pitch live at the conference and to Tecmerra Methane Solutions Ltd. on winning the \$10,000 prize! Thank you to pitch expert Joe Cattani for coaching one-on-one with the top four finalists to help them pitch their best.

TOP TEN COMPETITORS

Bike Winnipeg /
Fietser Bikeshare Cooperative
Boke Consulting

Canadian Solar
Carbon Lock Tech
Minnova Corp.
NextGen Environmental Research Inc.
Overton Environmental Enterprises Inc.
PolySense Solutions Inc.
Tecmerra Methane Solutions Ltd.
Typha Co.

TOP FOUR FINALISTS

Carbon Lock Tech
PolySense Solutions Inc.
Tecmerra Methane Solutions Ltd (Winner!)
Typha Co.

JUDGING PANEL

Darren Ramlal
Client Engagement Advisor –
IRAP

Marshall Ring
Manitoba Technology
Accelerator

Camila Jerger
Sustainable Development
Technology Canada

MODERATOR

Kim Kline
Bioscience Association
Manitoba

Organizing Committee

A warm thank you goes out to the 2022 Emerging Issues Cleantech Conference's Organizing Committee for their support in planning, promoting, and making this conference a great success.

Adam Shaw
MEIA Project Assistant

Adedoyin Omotosho
Student Rep:
Red River College Polytech

Anika Hatherly
Student Rep:
University of Manitoba

Alexander Lavoie
World Trade Centre Winnipeg

Alex Rountree
Winpak Division and
American Biaxis Inc.

Dennis Cunningham
Assiniboine Credit Union

Edward Suzuki
City of Selkirk

Jacquelynn Romans
RBC

Joelle Foster
North Forge
Technology Exchange

Margo Shaw
National Research Council
Canada (NRC-CNRC)

Michelle Michalchuk
ALS Environmental



Student Chapter Volunteers

Thank you to our volunteers for helping with registration, matching mentors with their mentees and overseeing the Student Chapter tradeshow booth.

Anika Hatherly
Annika Niblock

Emma Espey

Klara Gagnon

Kirsten Kruse

Lindsey Solmundson

Mozhgan Akbari Alavijeh
Noah Douglas-McKay
Tolgonai Kyzy

MEIA Team

Jack Winram
Executive Director

Sarah Neil
Office and Finance
Administrator

Melissa Dorota
Industry Workforce
Development Manager

Heather Roscoe
Programming and
Training Coordinator

Delaney Read
Marketing and
Communications
Coordinator



Tradeshow Booths

Aquatest
CanSustain Management Solutions Inc.

Carbon Lock Technologies
Charbone

Cypher Environmental

EasyEV Inc.

ECO Canada

EcoWest

Efficiency Manitoba

ERIS
Evolve Green
FuelPositive Corporation
Funding Opportunities Hub
GFL Environmental
Green Action Centre and Compost Winnipeg
Innovantage Inc.
ioAirFlow
Manitoba Association for Resource Recovery Corp.
Manitoba Associations of Regional Recyclers (MARR)
Manitoba Construction Sector Council
Manitoba Industry – Academia Partnership
Manitoba Prospectors and Developers Association
Manitoba Sustainable Energy Association
MEIA Student Chapter & Headshot Booth
MEP Brothers
Miller Environmental
National Research Council Canada
Pewapun Construction Ltd.
Pinchin Ltd.
PolySense Solutions Inc.
Relish
Silex Fiberglass Windows and Doors
Strategic Systems Engineering Inc.
Success Skills Centre
Triple Green Products
Turtle Island Innovations
Typha Co.
Wildlife Haven
Winnipeg Free Press
Winpak

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MEIA programming is supported by funding provided by The Government of Canada and The Manitoba government.

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Canadian Dewatering
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(for Curry Industries Ltd.)
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Duggan, Bruce
(for Boke Consulting)
Duxton Windows & Doors
EasyEV Inc.
ECO Canada
Economic Development Winnipeg

Efficiency Manitoba
EnerPure
Environment, Climate and Parks
Environmental Abatement
Council of Canada
Environmental Services
Association of Alberta (ESAA)
Environmental Services
Association of Nova Scotia
(ESANS)
ERIS (Environmental Risk
Information Services)
Fernandes, Mike
(StrategyMakers Consulting)
Fjeldsted, John
(Lifetime Member)
Friesen, Daniel
(For DLF Consulting)
Geo-Xergy Systems
GFL Environmental
Green Action Centre

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Johnson, Rob (Zellis Sales Inc.)
KGS Group
Local Government District of
Pinawa
Magellan Aerospace
Manitoba Chambers of Commerce
Manitoba Eco-Network
Manitoba Heavy Construction
Association
Manitoba Hydro
Manitoba Mineral
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MEP Brothers Ltd.
Mico, Michelle

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StandardAero
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TC Energy
Tetra Tech Inc.
Tire Stewardship Manitoba
Town of Virden
University of Winnipeg
Village of Dunnottar
Webber, Randy
Wiebe, Mike (for M.P. Wiebe
Environmental Engineering)
Winnipeg Airports Authority
Winnipeg Environmental
Remediation
WOOD
World Trade Centre Winnipeg
WSP Canada

**Thank you to
our members
for all of your
support over
the year!**



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MEIA.MB.CA

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