



Keeping you informed about Net Zero Atlantic's achievements and updates, our upcoming events, and energy news of note happening close to home and around the world.

NS and NB Calls Now Open: Net Zero ECT Research Programs

Net Zero Atlantic is pleased to announce that calls for proposals for the Net Zero Emerging Concepts and Technologies (ECT) programs for Nova Scotia and New Brunswick are now open. All proposals for these calls must be submitted by **Wednesday, November 22** by 3:00 p.m. AST.

Nova Scotia

This is the second call for proposals for [Nova Scotia's Net Zero ECT Research Program](#). More information, including a recording of a webinar providing information about the call, the applicant guide and details on projects awarded funding under the program's first call, is available [here](#). The Net Zero ECT Research Program for Nova Scotia is coordinated by Net Zero Atlantic and is supported by funding provided by the Nova Scotia Department of Environment and Climate Change.

New Brunswick

This is the first call for proposals for [New Brunswick's Net Zero ECT Research Program](#). More information, including a recording of a webinar providing information about the call and the applicant guide, is available [here](#). The Net Zero ECT-NB Research Program is coordinated by Net Zero Atlantic and is supported by funding provided by Opportunities New Brunswick and the New Brunswick Innovation Foundation.

Please contact us at info@netzeroatlantic.ca with any questions.

Introducing the Building to Zero Exchange



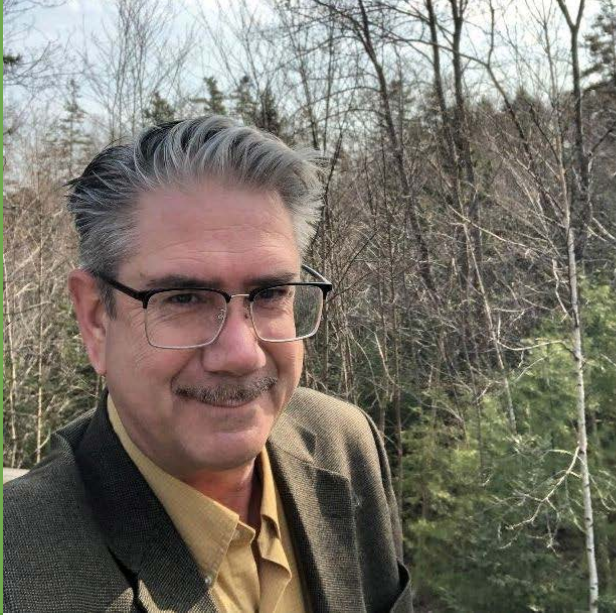
The official launch of the [Building to Zero Exchange](#) (BTZx) – a collaborative initiative bringing together industry, government and others with the goal of retrofitting and creating high-performance buildings efficiently and at a large

scale – took place on October 25, with close to 200 supporters attending. Net Zero Atlantic is serving as the secretariat for BTZx, coordinating the organization’s administration, communications and support services.

“The Building to Zero Exchange is about preparing Nova Scotia’s building sector for a net-zero future. Decarbonizing our buildings requires new skills and more workers, and there is a great deal of work to be done on a fairly tight timeline to help achieve provincial and federal climate targets,” said Alisdair McLean, Executive Director of Net Zero Atlantic.

Representatives of the Building to Zero Exchange’s Foundational Partners – the Province of Nova Scotia, HalifACT and the Halifax Regional Municipality, Dalhousie University, Efficiency Nova Scotia, Clean Nova Scotia, Construction Association of Nova Scotia and the Nova Scotia Community College – were on hand for the event.

Learn more about BTZx [here](#).



All the best, Russell!

We're wishing a happy retirement to Russell Dmytriw, who is leaving his role as Director of Research with Net Zero Atlantic after eight years of challenging projects and engaging conversations. Russell provided significant experience, sought-after advice and respected leadership to a wide range of sector-leading clean energy initiatives. We're grateful for Russell's many contributions to Net Zero Atlantic.

**Help shape the future of energy modelling in
Canada**



Carrefour de
modélisation
énergétique

Energy
Modelling
Hub

CALLING ALL ENERGY MODELLING ENTHUSIASTS!



**WELCOME TO THE EMH
ANNUAL SURVEY 2023**

The Energy Modelling Hub (EMH) is inviting replies to its annual survey from people in Canada who are interested in energy system modelling.

Who should participate?

- Model developers: If you develop energy models, click here:
<https://lnkd.in/eVyJYYd5>
- Modelers: If you analyze and interpret model results, click here:
<https://lnkd.in/edFGXQfE>

- Users of model results: If you rely on the results and insights gained from energy models to make informed choices and decisions, click here:

<https://lnkd.in/ewkqi6KA>

The survey takes approximately 20 minutes to complete and is open until **November 3**. For more information, please visit the EMH website at:

<https://cme-emh.ca/en/2177-2/>



Molly Noseworthy
Project Manager

We'd like to welcome **Molly Noseworthy** as a new project manager with the Net Zero Atlantic team.

Molly will be managing Net Zero Atlantic's Emerging Concepts and Technologies (ECT) Research Program, a grant program that will support made-in-Nova Scotia and made-in-New Brunswick solutions to reduce

greenhouse gas emissions and/or help the provinces adopt new technologies.

Molly is a Professional Engineer, having completed her Bachelor's of Civil Engineering from Memorial University of Newfoundland. She is also a certified project management professional.

What is your position with Net Zero Atlantic?

I'm a project manager currently working on NZA's ECT programs in both Nova Scotia and New Brunswick.

What are you working to achieve in this role?

Within the ECT Project Management role I am hoping to both deepen my understanding of the R&D environments in the Atlantic Canada while supporting the NZA team and our project recipients in generating viable, local, climate solutions.

What experience and education do you bring to the organization?

Having worked in the consulting engineering industry I am familiar with the coordination and management of concurrent projects. I believe my past success in juggling various project scopes, teams and clients provides me with the proper communication and organization skills for the management of the ECT projects. In addition to this my formal education in engineering has exposed me to various industries (energy/construction) that better my understanding of the challenges we must face to achieve net-zero. But more importantly though both schooling and work experience, I have learned how to effectively approach a challenge in an effective and methodical manner.

Why were you interested in working for Net Zero Atlantic?

Net Zero Atlantic caught my eye because I was interested in being involved in conversations focused on our future. To be involved in a work environment that

is forward thinking and proactive is an exciting place to be. Regardless if it is in your professional life or in your personal time, climate and sustainability are topics that we all see daily. Having an opportunity to work within the ECT program was exciting as I could participate in and learn from the new and innovative solution generation process.

Secondly, I was attracted to the current role NZA plays in Atlantic Canada's industry; bringing together private industry, academic bodies, and government sectors on various projects is a unique role and one I am excited to learn from.

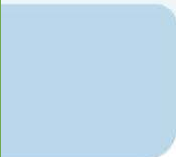
Free Online Education

webinar series



New Energy Capabilities: Sealing Hydrogen

SHANNON MCAVOY & SHAUN HARVIE
FLEXITALLIC



net-zero
atlantic

THURSDAY, NOVEMBER 2, 2023 | 11AM ADT | REGISTER AT netzeroatlantic.ca/outreach

[New Energy Capabilities: Sealing Hydrogen](#)

Shannon McAvoy and Shaun Harvie, Flexitallic

November 2, 2023 11:00am – 12:00pm ADT

Sealing hydrogen poses unique challenges due to its properties as the lightest and smallest molecule. Hydrogen is highly permeable and effectively containing it requires consideration for specialized materials and engineered solutions. This webinar will discuss the permeability and leakage of hydrogen molecules through many materials, the material compatibility requirements, pressure management, and temperature effects on sealing solutions. As organizations look at the hydrogen economy and net zero future, understanding the attributes of innovative sealing techniques will enable safe and effective sealing throughout this transition.

[Register Here](#)



webinar series



Preparing Nova Scotia's building sector for a net-zero future

LARA RYAN
LARA RYAN CONSULTING



TUESDAY, NOVEMBER 14, 2023 | 1PM AST | REGISTER AT netzeroatlantic.ca/outreach

[Preparing Nova Scotia's building sector for a net-zero future](#)

Lara Ryan, Sustainability Consultant, Lara Ryan Consulting

November 14, 2023 1:00pm –2:00pm AST

Join us for a webinar introducing the Building to Zero Exchange (BTZx) a new industry collaborative of champions for the innovation policy, business, and regulatory actions necessary to develop Nova Scotia's net-zero transition. As a Centre of Excellence, BTZx will showcase leadership and inspiring local innovation and grow capacity as we collectively retrofit and create net-zero buildings efficiently and at a large scale. This webinar will provide context and background of the development of BTZx and outline expected outcomes and ways for industry members to be engaged.

[Register Here](#)

[Past Webinars Available Online](#)

You can also check out our library of past webinars. Watch any of them here, on demand anytime. This includes last month's webinar:

[Clean energy and technology supply chains: security, resilience and sustainability](#)

Tiffany Vass, International Energy Agency

The Covid-19 pandemic and Russia's invasion of Ukraine have led to major disruptions to global energy and technology supply chains. Soaring prices for energy and materials, and shortages of critical minerals, semiconductors and other components are posing potential roadblocks for the energy transition.

Against this backdrop, this presentation will cover key highlights from the IEA's latest Energy Technology Perspectives analysis, which explores the risks and opportunities surrounding the development and scale-up of clean energy and technology supply chains. The main bottlenecks to scaling up supply chains will be highlighted, as well as what

governments can do to mitigate risks and tap into opportunities offered by the emerging new energy economy.

FoCCUSing on the Future: Carbon Capture, Utilization, and Storage

Carla Skinner, Physical Scientist, GSC Atlantic

CO2 Capture, Utilization, and Sequestration (CCUS) is a collection of technologies that could play an essential role in meeting our growing energy demands and increasingly urgent climate goals. CO2 is captured and either used as feedstock for carbon technologies or is compressed and transported to be permanently sequestered. CCUS supports net-zero pathways through several mechanisms including reducing emissions from existing infrastructure, assisting low-carbon hydrogen production, and removing carbon from the atmosphere. This presentation will briefly review CCUS – what is it, where can we do it, how does it work, and why it matters.

Open Call: Webinars

You're invited to submit suggestions for webinar topics in the areas of energy innovation, clean energy, clean growth and climate change mitigation. If you have an idea for a webinar you think our audience would find interesting, please get in touch with us at nperry@netzeroatlantic.ca.

In the News

We track energy and research news on an ongoing basis. Following are links to noteworthy items published in recent weeks:

- [Modified Atlantic Loop shouldn't thwart drive for offshore wind power: report author](#) (*Canadian Press*)
- [Offshore wind industry in Atlantic Canada could make region energy powerhouse: report](#) (*CBC Nova Scotia*)
- [Wind farm impacts on whale habitat a mystery: scientists](#) (*Bloomberg*)
- [The hope and hype of hydrogen](#) (*New York Times*)
- [To rein in climate change, Biden pledges \\$7 billion to regional 'hydrogen hubs'](#) (*National Public Radio*)

Note that subscriptions are required to access some publications.

Who we are

Net Zero Atlantic seeks to advance the goal of a sustainable and inclusive transition to a carbon-neutral future in Atlantic Canada. We produce credible and objective data to inform sound policies and decisions related to critical topics currently including, but not limited to, hydrogen, offshore wind, geothermal energy, and energy system modeling. Learn more about Net Zero Atlantic at www.netzeroatlantic.ca.

Comments?

Get in touch with us at info@netzeroatlantic.ca.

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