

OERA ENERGY UPDATE



Keeping you informed about OERA's active RFPs and upcoming webinars, as well as noteworthy energy news happening close to home and around the world.

Funding Opportunities

We're currently inviting proposals for the following:



OERA
Leading Collaborative
Energy Research

Request For Proposals

**Assessment of Clean Growth
Economic Opportunities in
Nova Scotia**

Proposals due Friday, November 20, 5:00PM ADT

For more information visit oera.ca/opportunities

Request for Proposals - Assessment of Clean Growth Economic Opportunities in Nova Scotia

Deadline: Friday, November 20, 2020 - 5:00pm

Under the Sustainable Development Goals Act, Nova Scotia has legislated a net-zero greenhouse gas (GHG) emission economy by 2050. Achieving this important milestone will require the private and public sectors to adopt a portfolio of decarbonization strategies. To further its policy goals, the Nova Scotia Department of Energy and Mines (NSDEM) seeks to understand the wider economic effects of potential decarbonization strategies in Nova Scotia.

OERA, on behalf of NSDEM, is seeking an investigation of the economic opportunities arising from future low-carbon investments in Nova Scotia. The resulting report will be a reference document for program and project-related decision making and will support the objectives of the Sustainable Goals Development Act while continuing to advance Nova Scotia's economic, social, and environmental wellbeing.

This RFP was released on October 22, 2020 and will close on November 20, 2020 at 5 pm Atlantic Daylight Time. We encourage you to forward this to your contacts who may have an interest in responding. Full information on the Request for Proposals and how to apply is available [here](#).

Please note, OERA may, at its sole discretion, reject any and all, or parts of any and all, proposals; postpone or cancel at any time this RFP process; waive any minor irregularities in the RFP or the responses received as a result of this RFP.

News Release: Study shows how hydrogen fits in Atlantic region's energy transition

Halifax, NS – Hydrogen can play a key role in the Maritimes' future energy mix and regional leaders should act now to align policy and investment, according to a recently completed study.



A Feasibility Study of Hydrogen Production, Storage, Distribution, and Use in the Maritimes

The Feasibility Study of Hydrogen Production, Storage, Distribution, and Use in the Maritimes – a collaborative effort coordinated by **OERA** (Offshore Energy Research Association) and funded by **Heritage Gas Limited, Liberty Utilities**, the **Nova Scotia Department of Energy & Mines** and the **Atlantic Canada Opportunities Agency** – evaluated the full hydrogen value chain from production, storage and distribution through to end-use applications.

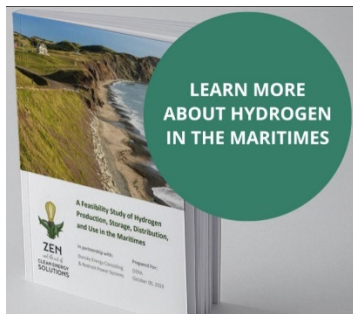
“This study shows that hydrogen is a sustainable source of energy that can help the Maritimes address climate change and achieve economic growth,” said Alisdair McLean, Executive Director of OERA, an independent, impartial, not-for-profit organization that facilitates research aimed at encouraging the sustainable development of energy resources. “The information captured in the study will shape regional research priorities, educate policy makers and identify energy transition supply chain business prospects.”

The study finds that for the Maritimes to realize hydrogen’s full potential, the region must take a regionally cooperative approach to energy policy. Among its recommendations are development of a clean energy roadmap for the Atlantic region, creation of a strong regulatory framework with incentives to transform and decarbonize the region’s energy systems and aligned action plans, policies and high-profile projects that encourage local industry participation. The study shows that renewable hydrogen produced from wind combined with grid-scale hydrogen storage can be an enabler to increase energy independence, heavy duty transport can be a major contributor to hydrogen demand and the potential to use hydrogen for building heating is significant.

Study lead [Zen Clean Energy Solutions](#) reviewed all aspects of hydrogen from creation to end-use, evaluating economic and technical constraints and opportunities for the Maritimes. A webinar taking place on November 25 from 1-2 p.m. AST will provide an overview of the study's key findings. The event is open to all with pre-registration available [here](#).

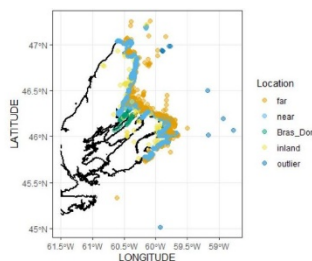
Building Knowledge and Capacity

Our focus at OERA is on empowering impactful energy research to support sustainable resource and economic development in Nova Scotia. Here are some of the most recent studies we've been involved with:



[Feasibility Study of Hydrogen Production, Storage, Distribution and Use in the Maritimes](#)

[Reducing Costs of Tidal Energy through a Comprehensive Characterization of Turbulence in Minas Passage](#)



[Analysis Framework for Long-Term and Cumulative Effects Monitoring](#)

Free Online Education

We work to create opportunities for researchers, people working with industry and government and students to connect, share knowledge and information and learn. Everyone is welcome to attend our live webinars, and new sessions are offered each month. There are two informative webinars taking place in November:

Sustainable Development: The Sustainable Development Goals and the Energy Sector

Sustainable development is development that meets the needs of the present without compromising future generations. But how do we begin to tackle the enormous global challenges we face, such as poverty, inequality and climate change, and how do we measure success? To help guide us, the Sustainable Development Goals (SDGs) were adopted by all UN member states in 2015. The SDGs set ambitious targets across 17 areas—such as clean and affordable energy, climate action, and clean water—to meet by 2030. Companies have a large part to play in contributing to sustainable development and meeting the goals. This webinar will give an overview of sustainable development and the SDGs, discuss how companies – particularly those in the energy sector and supply chain – can support the goals while also becoming more successful and prosperous, and highlight specific metrics and tools that companies can use to measure and convey their contributions to sustainable development.

Presented by Jeanne Ellis, Sustainable Business Group, DAI Global

November 19, 2020 1:00pm – 2:00pm AST



Sustainable Development: The Sustainable Development Goals and the Energy Sector

JEANNE ELLIS
SUSTAINABLE BUSINESS GROUP, DAI GLOBAL



THURSDAY, NOVEMBER 19 | 1PM AST | REGISTER AT oera.ca/OUTREACH

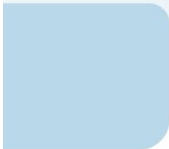
[Register Here](#)

A Feasibility Study of Hydrogen Production, Storage, Distribution and Use in Atlantic Canada

Presented by Sabina Russell and Tim Murray, Zen Clean Energy Solutions

November 25, 2020 1:00pm – 2:00pm AST

A Feasibility Study of Hydrogen Production, Storage, Distribution and Use in Atlantic Canada
This presentation will outline the key findings and results from the [Feasibility Study of Hydrogen Production, Storage, Distribution and Use in the Maritimes](#) – a collaborative effort coordinated by [OERA](#) (Offshore Energy Research Association) and funded by [Heritage Gas Limited](#), [Liberty Utilities](#), the [Nova Scotia Department of Energy & Mines](#) and the [Atlantic Canada Opportunities Agency](#). This study evaluates the full hydrogen value chain from production, storage and distribution through to end-use applications and assesses the economic opportunities and technical challenges of hydrogen production, storage, distribution, and use in Atlantic Canada.



A Feasibility Study of Hydrogen
Production, Storage, Distribution,
and Use in Atlantic Canada

SABINA RUSSELL & TIM MURRAY
ZEN CLEAN ENERGY SOLUTIONS



WEDNESDAY, NOVEMBER 25 | 1PM AST | REGISTER AT oera.ca/OUTREACH

[Register Here](#)

Past webinars available online

You can also check out our library of past webinars. Watch any of them here, on demand anytime. In case you missed it, a recording of our most recent webinar – [Real-time detection of marine mammals in high flow environments](#) – featuring Dr. Jean-François Bousquet, Dalhousie University is available [here](#).

[Watch Here](#)

Introducing OERA Board

Member Karen White

At OERA (the Offshore Energy Research Association), we're fortunate to have a Board of Directors made up of members from academia, industry, government and beyond. Offering a wealth of experience and diverse and informed perspectives, they help to set OERA's direction and keep us focused on achieving our mandate.



Karen White, an OERA Board member since 2016, is Vice-President, Crisis and Issues Management at NATIONAL PR in Halifax. Read on to learn more about what she brings to the OERA Board.

Why did you choose to become a member of the OERA Board?

I have a passion for energy sector development and got to know the team at OERA when I worked at the NS Department of Energy. I like that OERA is connecting industry, government and academia to better understand the challenges and opportunities facing the energy sector. For me, it's a pathway to encouraging new and emerging technologies and opportunities, while enabling economic growth in Atlantic Canada.

Which aspects of your skills and experience do you see as being most helpful and relevant to OERA?

I've worked in the energy sector in communications for more than a decade—energy efficiency and conservation, environmental regulations, and energy policy encouraging sector development in our region. Since joining the team at NATIONAL PR, I have guided energy sector clients as they navigated complex regulatory and stakeholder relations, developing strategic communications plans. I am also the incoming Board Chair of the Maritimes Energy Association and bring the perspective of our members to OERA Board conversations.

Why does OERA matter? What do you see as the organization's key offerings?

OERA is a convener—bringing together people and ideas to find a way to safely and responsibly

develop Nova Scotia's energy resources. Working with industry, government and academia, they tackle important research questions to reduce barriers and allow for energy resource development in our region. They are an honest broker and trusted advisor when it comes to sharing technical information for sustainable resource development.

Marine Renewables Canada 2020 Fall Forum

Marine Renewables Canada is hosting a one-day Fall Forum this Thursday, November 5, with a pre-forum virtual panel session on Wednesday, November 4. Participants can take part in-person (with pandemic health and safety measures in place) or virtually. Forum attendees will learn more about recent marine renewable energy announcements and hear how local suppliers can get involved. The Honourable Seamus O'Regan, Minister, Natural Resources Canada, will provide a keynote address. More information about this event is available [here](#).

In the News

We track energy and research news and commentary on an ongoing basis. Here are some noteworthy items published in recent weeks:

- [Researchers develop machine learning model that will support safe and accurate decision making for the Halifax Harbour](#)
- [Can The Bay Of Fundy Help Fight Climate Change With Tidal Energy?](#)
- [Proposed \\$10B liquefied natural gas project in Guysborough County pressing forward](#)
- [Here's where to find every wind turbine in Canada](#)
- [GE starts testing world's biggest 13MW offshore wind turbine](#)

Note that subscriptions may be required to access some publications.

Who we are

At [OERA](#) (the Offshore/Onshore Energy Research Association), we're navigators and collaborators helping Nova Scotia move toward a more sustainable energy future by providing the unbiased information and insight needed to plan a path forward. We are a non-profit organization that serves as an independent and impartial knowledge and capacity builder. We support economic growth in our province by exploring and assessing cleantech opportunities. Our team also enables expert energy research with input from academia, industry, government, regulators and others. Our scope encompasses all energy-related research, including onshore and offshore petroleum, cleantech and renewable energy.

[Contact us](#) to find out more.

Comments?

We'd appreciate hearing from you at nperry@oera.ca.



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