

# 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.*

## Open Opportunities



Leading Collaborative  
Energy Research

*Request For Proposals*

### Assessing the Economic Impacts of Developing the Port of Sheet Harbour Into an Offshore Wind Hub

**Proposals due Friday, February 12, 5:00PM AST**

*For more information visit [oera.ca/opportunities](http://oera.ca/opportunities)*

## **RFP – Assessing the Economic Impacts of Developing the Port of Sheet Harbour into an Offshore Wind Hub**

The US offshore wind (OSW) sector is forecasted to grow significantly in the coming years. An important asset to the OSW industry is a viable port that meets strict industry standards and is positioned in a geographically favourable location. Sheet Harbour, located along the Eastern Shore of Nova Scotia, has the unique opportunity to use its port's competitive advantage and become an integral part of the US OSW supply chain. Using the port of Sheet Harbour to act as one of the logistical hubs for the US OSW industry would likely have beneficial implications for Nova Scotian businesses that are able to provide services to the OSW industry. It is important for the Province to understand the extent of the potential economic benefits that such a development would create. OERA is therefore requesting the submission of proposals for a report that identifies opportunities for Nova Scotian companies and quantifies the economic impacts of using the port of Sheet Harbour as a logistical hub for the US OSW industry.

This RFP will close on Friday, February 12, 2021 at 5 p.m. Atlantic Time. For additional details and instructions on how to submit a proposal please click [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 RFPs or the responses received as a result of this RFP.*

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## **Building Knowledge and Capacity**

Our focus at OERA is on empowering impactful energy research and sustainable resource and economic development in Nova Scotia. On an ongoing basis, the research teams we collaborate with are building and sharing intellectual property around renewable energy technologies, cleantech initiatives and geoscience. Here are some of the most recent outcomes of work we support:



two-month period in Grand Passage to advance understanding how turbulence affects the ability to detect marine mammals, and to what extent these species can detect a tidal turbine. State-of-the-art hydrophones were deployed together with an active source that generates dolphin-like whistles and clicks.

- Primary Investigator: Dr. Bruce Martin, JASCO Applied Sciences (Canada) Ltd., and Dalhousie University

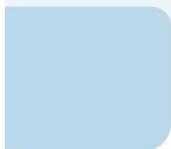
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## Free Online Education

We work to create opportunities for researchers, people working with industry and government and students to connect, share knowledge and information and learn. Our live webinars are open to all and new sessions are offered each month. Our February webinars are:

### Maritime Regional Wind Energy Resources: Determining preferred regions for additional onshore and offshore wind energy development

**OERA** *webinar series*



Maritime Regional Wind Energy Resources:  
Determining preferred regions for  
additional onshore and offshore  
wind energy development

DR. LUKAS SWAN, DALHOUSIE UNIVERSITY  
DR. NATHANIEL PEARRE, DALHOUSIE UNIVERSITY



THURSDAY, FEBRUARY 11 | 1PM AST | REGISTER AT [oera.ca/OUTREACH](https://oera.ca/OUTREACH)

This webinar presents a model and results that examine characteristics of the wind resource around the Canadian Maritime provinces. While significant wind turbine generating capacity has already been installed, it has sought to minimize cost of energy. This new model uses temporal and spatial modeling and examines other metrics such as intermittency to guide the geographic siting of future wind farms. A primary outcome of this research are 'Venn diagram' like maps of the Maritime region showing overlap of various positive metrics. The results are intended for government analysts, wind farm developers, landowners, utilities, and regulators in support of future policies and programs to incorporate more wind energy into the electricity systems of the Maritimes.

*Presented by Dr. Lukas Swan and Dr. Nathaniel Pearre, Renewable Energy Storage Laboratory, Dalhousie University*

February 11, 2021 1:00pm – 2:00pm AST

[Register Here](#)

## Climate change mitigation through energy system modelling

OERA *webinar series*



Climate change mitigation through  
energy system modelling

SVEN SCHOLTYSIK  
OERA



THURSDAY, FEBRUARY 25 | 1PM AST | REGISTER AT [oera.ca/OUTREACH](https://oera.ca/OUTREACH)

Atlantic Canada is undergoing an energy transition that will impact energy production, energy consumption, employment prospects and long-term investment decisions. To effectively

support this transition while enabling sustainable economic growth, it is necessary to understand the effects, synergies, and limitations of regional decarbonization strategies. Yet, the complexity of energy systems in Atlantic Canada makes intuitive conclusions nearly impossible. Energy system modelling enables a user to evaluate alternative scenarios to meet interim and long-term greenhouse gas emissions reduction targets. This webinar explores how an open-source energy system model of Atlantic Canada's energy system can help policy makers, industry, researchers and NGOs contribute to possible next steps on the path to net-zero GHG emissions.

*Presented by Sven Scholtysik, OERA*

February 25, 2021 1:00pm – 2:00pm AST

[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 – [Identification and Ranking of Seabed Seep Prospects on the Scotian Slope](#) – featuring Natasha Morrison of OERA and the Nova Scotia Department of Energy and Mines, is available [here](#).

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## In the News

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

- [Sea trials to begin for next contender trying to master Bay of Fundy's tides](#)
- [Dalhousie's ocean going robots 'glide' into new waterfront workspace at COVE](#)
- [Innovative plant would bake softwood chips into biochar, a carbon-rich soil ameliorant](#)
- [Tech company EnergyX, which has a branch in Halifax, has struck a deal in Portugal](#)
- [A kilowatt saved is a kilowatt earned; Onsite energy managers make dent in provincial power consumption](#)

*Note that subscriptions may be required to access some publications.*

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## Who we are

At **OERA** 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](mailto:nperry@oera.ca).

