



Request for Expressions of Interest Port Decarbonization

The Halifax Port Authority (HPA) is seeking innovative project proposals for an effective plan to accelerate the transition of HPA assets and operations to net-zero emissions by 2050.

Proposed projects should meet the primary outcome of reducing greenhouse gas emissions in alignment with Government of Canada targets. Proposed projects should address the challenge of climate change and create a more sustainable and resilient future for the Port of Halifax, the environment, surrounding community, and related stakeholders and partners.

A Request for Expression of Interest (RFEOI) has been issued. Solutions that are off-the-shelf or at a technology readiness level of six (6) and higher will be considered. Proposed biofuels projects and data-driven projects will not be considered at this time. Projects must take place on lands or water lots under the administration of HPA.

The process is expected to be conducted in two stages. The RFEOI is the first stage and is designed to obtain innovative responses from qualified organizations. The scope and timing of the second stage will be determined by HPA. Invitations to participate in the second stage will be based on the responses to the RFEOI.

The RFEOI is to ensure HPA is attracting the most qualified organizations in a way that is transparent and fair to all. A Fairness Monitor has been engaged to provide guidance throughout the RFEOI process and ensure best practices are being followed. The RFEOI will close on June 26, 2023.

A copy of the RFEOI can be obtained by emailing procurement@portofhalifax.ca

For those interested in attending Q & A sessions on June 12 or June 15, please contact Courtney Chalmers for details.

Courtney Chalmers
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FAQ:

1. Why are you doing this?

Ports around the world are taking a variety of actions to decarbonize their operations and reduce greenhouse gas emissions, such as switching to renewable energy, electrifying equipment, implementing energy efficiency measures, encouraging sustainable transportation, and developing alternative fuels. HPA understands that measures like these are paramount in building its people and culture with strong sustainability ethics, and in providing a cost competitive and efficient supply chain.

2. What are the HPA's current Net Zero Targets?

HPA has committed to a 40% reduction in its Scope 1 and Scope 2 GHG emissions by 2030 (from the 2018 baseline) and a 100% reduction in in Scope 1 and Scope 2 GHG emissions by 2050 (net zero). This aligns with the Government of Canada's targets and is a quantitative commitment to incorporate sustainability into the Port's capital projects and operations. HPA has initiated several projects in its path to decarbonization.

3. What decarbonization projects does the HPA currently have underway?

HPA signed a Memorandum of Understanding with the Hamburg Port Authority to decarbonize the shipping corridor between the two ports. The goal is to advance renewable hydrogen technologies, accelerate the global energy transition, and support cooperation in expanding the global hydrogen economy.

An energy and carbon audit of the Halifax Seaport was conducted in 2022 to develop a baseline plan for execution of energy reduction upgrades at HPA facilities to meet decarbonization goals. New LED lighting has been installed at Ocean Terminals, Richmond Terminals and throughout Seaport buildings to reduce electrical consumption.

HPA has successfully reduced emissions at the Port of Halifax by 13% on 40% of overall vessel arrivals through participation in the Environmental Ship Index (ESI) Program. Container and RoRo vessel that voluntarily register and met ESI's requirements in reducing greenhouse gas emissions are provided with an incentive based on their ESI-assigned score.

4. When will the second stage of the RFEOI process take place?

The scope and timing of the second stage will be determined by HPA. Invitations to participate in the second stage will be based on the responses to the RFEOI.

5. Can I have a copy of the RFEOI?

Yes. A copy of the RFEOI can be obtained by emailing procurement@portofhalifax.ca.