

Feedback Form

Hydrogen Innovation Fund: Draft Application Guideline (Program Rules) and Materials Webinar—February 22, 2023

Feedback Provided by:

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Following the February 22, 2023 engagement webinar, the Independent Electricity System Operator (IESO) is seeking feedback from stakeholders on the items discussed during the webinar. The webinar presentation and recording can be accessed from the [engagement web page](#). For more details on the Hydrogen Innovation Fund, please see the [Low-Carbon Hydrogen Strategy engagement page](#).

Please submit feedback to engagement@ieso.ca by March 8, 2023. If you wish to provide confidential feedback, please submit as a separate document, marked "Confidential". Otherwise, to promote transparency, feedback that is not marked "Confidential" will be posted on the engagement webpage.

Funding Requirements

Topic	Feedback
Are the evaluation criteria clear and complete?	Click or tap here to enter text.
Do you have any general feedback on the funding requirements?	<p>Timelines -extend for quality control and safety cycles</p> <p>The suggested December 31, 2023 deadline for report submission should be revised to allow for engineering complexities and testing cycles. Siemens Energy Canada Limited proposes extending the deadline for the reports on research/feasibility studies and the demonstration projects at existing facilities to at least June 30, 2024. Doing so will significantly contribute to the program's success by ensuring applicants can produce high-quality research and feasibility studies reports and execute successful demonstration projects that inform and guide different hydrogen approaches and future project decision-making.</p> <p>Siemens Energy recommends funding and supporting projects that produce hydrogen by utilizing either waste energy recovery from existing processes or waste heat from gas turbine exhaust. For example, replacing a pressure regulator on a turbine with a turbo expander. This technology has the potential to reduce greenhouse gas emissions significantly in the province. Such projects have the added benefit of utilizing existing infrastructure for waste energy recovery. In addition, these projects can serve as a model for other gas compression and large industrial processing facilities across Ontario, helping the province achieve its net-zero emissions target.</p> <p>Siemens Energy Canada submits projects which assist emissions reductions across the energy landscape be considered – for example hydrogen blending and storage/ production projects at existing wind facilities using electrolyzers.</p>

Evaluation Criteria

Topic	Feedback
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General Comments/Feedback

Technology- expand scope to "hydrogen economy" as energy systems are not separate entities in Ontario (gas and electric). Due to the interconnectedness of the systems and use of gas fired generation in Ontario, SECL submits a broad scope of emissions reductions projects should be considered. It is not possible to trace a molecule of natural gas in the system and therefore any reduction in the "system" benefits Ontario.