

Feedback Form

Hybrid Integration Project – April 21, 2021

Feedback Provided by:

Name: Leonard Olien

Title: Director, Energy Storage

Organization: Canadian Renewable Energy Association

Email: [REDACTED]

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Following the April 21, 2021 webinar on the Hybrid Integration Project, the IESO is seeking feedback from participants on the proposed definitions, stakeholder information needs, the timelines and deliverables, and the engagement plan objectives and approach. The IESO will work to consider feedback and incorporate comments as appropriate and post responses on the engagement webpage.

The referenced presentation can be found under the April 21, 2021 entry on the [Hybrid Integration Project webpage](#).

Please provide feedback by May 12 2021 to engagement@ieso.ca. Please use subject: *Feedback: Hybrid Integration Project*. To promote transparency, this feedback, if provided in an AODA-compliant format (e.g. using this form) will be posted on the [Hybrid Integration Project webpage](#) unless otherwise requested by the sender.

Thank you for your time.

Introduction:

The Canadian Renewable Energy Association (CanREA) is the national industry association serving as the voice for Canada's wind energy, solar energy and energy storage solutions that will power our energy future.

On behalf of our diverse member companies, we advocate for the advancement of modern energy systems through stakeholder advocacy and public engagement. Our membership includes world class generators, utilities and manufacturers, all well positioned to deliver clean, low-cost, reliable, flexible and scalable solutions for Canada's energy needs.

CanREA is also a member of the Power Advisory led Consortium of Renewable Energy Generators. All but one company in the Consortium are CanREA members. As such, we also fully support the submission made on behalf the Consortium to this engagement and would be happy to follow up on the contents of either submission as required.

Proposed definitions

| Topic | Feedback |
|--|---|
| <p>Does the proposed definition of 'Co-located Facility' make sense? Is there anything further that should be considered?</p> <p><i>"A combined facility consisting of electricity storage and generation facilities located behind a single connection point, that participates in the IESO markets as separate resources."</i></p> | <p>The definition of 'Co-located Facility' makes sense.</p> |
| <p>Does the proposed definition of 'Hybrid Facility' make sense? Is there anything further that should be considered?</p> <p><i>"A combined facility consisting of electricity storage and generation facilities located behind a single connection point, that participates in the IESO markets as a single bi-directional resource."</i></p> | <p>The definition of 'Hybrid Facility' is reasonable. There will be details concerning certain technologies such as hydrogen. Hydrogen could be produced at a wind or solar site then shipped to another location for the generation of electricity. Would such an installation count as a 'hybrid facility'?</p> |

Information required to evaluate investment potential

| Topic | Feedback |
|---|--|
| <p>What information do stakeholders need to evaluate the potential of Hybrid Resource investments as we evolve our resource adequacy needs?</p> | <p>Investors will need clear understanding of the system resource needs including total supply requirements and regional reliability considerations. Investors will also need clear communication of the IESO's plan to ensure supply adequacy and regional reliability.</p> |

| Topic | Feedback |
|-------|--|
| | Investors will also need to have a clear process for market participation including a viable revenue model to support their business plan. |

Timelines and deliverables

| Topic | Feedback |
|--|---|
| Do the timelines and deliverables for the Hybrid Integration Project make sense? | The timing makes sense if hybrids will not be able to participate until after MRP implementation and are not expected to be needed until existing contracts expire and resources are needed in 2026. The risk for Ontario is that developers will invest in other jurisdictions and may lose interest in the Ontario market. The IESO may be able to maintain investor interest by engaging in pilot projects to remove potential barriers. |

Engagement Plan

| Topic | Feedback |
|--|---|
| Are stakeholders supportive of the objectives and approach detailed in the draft Hybrid Integration Project Engagement Plan? | CanREA supports the objectives and approach in the draft HIP engagement plan. In particular, CanREA supports IESO efforts to engage stakeholders on the design of the plan. |

General Comments/Feedback

CanREA is encouraged by IESO efforts to identify the value provided by hybrid resources and include such resources in the Ontario market. CanREA encourages IESO to consider which aspects of hybrid participation can or should be included in the Market Renewal Process and to ensure that, at a minimum, MRP development and implementation will not include elements that interfere with hybrid project participation post MRP deployment.