

Letter of Support from Bruce Power as Follow Up to Apr 11 mtg re: Hydrogen

From: Jason Van Geel <jvg@carlsun.com>
To: "Whittington, Matt (ENERGY)" <matt.whittington@ontario.ca>
Cc: Paul McCleave <pm@carlsun.com>, Matthew Fairlie <matthew.fairlie@gmail.com>, apotts.mpp@liberal.ola.org, David Bellmore <dbellmore@liberal.ola.org>
Date: Wed, 24 May 2017 17:24:04 -0400
Attachments: Follow Up from Meeting with Bob Waddell in Ottawa.msg (3.71 MB); 2017-01-23 Letter of Support - Bruce Power.pdf (59.21 kB); Electrolysers - Aug 26, 2016 - Final - MIDAC Report.pdf (1.45 MB); OSPE_2017_LTEP_Submission.pdf (880.63 kB)

Matt,

I wanted to follow up on our Apr 11 meeting and confirm you received the email package below (attached again for your convenience - the MIDAC 1000MW Electrolyzer Report as well as the Ontario Society of Professional Engineers LTEP Submission with specific recommendations for hydrogen electrolyzers) as well as provide you with the an additional Letter from Bruce Power in Support of our hydrogen electrolyzer pilot projects (attached).

Also attached is an important pilot project description as well as a presentation made to APPRO this past year. Successful outcomes of our pilot projects include demonstration of energy storage on a seasonal scale, using geologic reservoirs, and reduction of CO₂ emissions in the industrial refining process, including existing transportation and heating sectors. By providing wholesale electricity pricing to hydrogen electrolyzers (as recommended by the Ontario Society of Professional Engineers LTEP submission), these projects enable Ontario to make productive use of it's surplus electricity resource to decarbonize important sectors of the economy at an affordable price.

I'd be more than happy to discuss in further detail if you wish. Please don't hesitate to contact me, thank you.

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From: Jason Van Geel
Sent: Wednesday, April 19, 2017 9:57 AM
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Subject: Follow Up to Apr 11 Meeting re: Hydrogen

Good Morning Matt,

Thanks to you and Minister Thibeault for meeting with us last week. Attached are the electronic versions of the reference material provided at the meeting. As mentioned, Edward Arlitt is the

person in IESO Operations that we were speaking with.

We appreciate the opportunity to discuss the benefits of electrolyzers in terms of both energy storage and reduction of electrical system costs, as well as the added benefit of reducing emissions across sectors of the economy which need it most.

The unmatched attribute of electrolyzers in the Ontario grid system is this would enable productive use of Ontario's surplus electricity resource and offer a pathway to reduce carbon emissions in other sectors of the economy at an affordable price. Market design with an electricity pricing structure for electrolyzers that is appropriate for this capability are important discussions we believe we need to continue to be having with the Ontario government.

We would be happy to discuss in further detail, so please don't hesitate to contact us any time.

Thanks again,

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