

Stakeholder Comment Matrix – April 23, 2020

Overview of Energy Storage Resources – Operating Reserves Qualification and Technical Requirements and Alberta Reliability Standards Applicability



Period of Comment: April 23, 2020 through May 7, 2020 Comments From: EDF Renewables Date: 2020/05/04	Contact: ██████████ Phone: ██████████ Email: ████████████████████
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Instructions:

1. Please fill out the section above as indicated.
2. Please respond to the questions below and provide your specific comments.
3. Email your completed comment matrix to energystorage@aeso.ca by **May 7, 2020**.

The AESO is seeking comments from Stakeholders with regard to the following matters:

	Questions	Stakeholder Comments
1.	Are there areas where further clarity on expected participation in the Operating Reserves (OR) market or applicability of the Alberta Reliability Standards (ARS) would be helpful?	<p>Can an energy storage resource offer partial capacity and duration to the regulating reserve (e.g., a 100 MW/200 MWh storage facility, can it offer 20 MW/80 MWh)?</p> <p>Can the energy storage resource limit the hours of the day when regulating reserve is offered?</p> <p>Are there any restrictions in being able to offer contingency reserve while consuming load (i.e, acting as a dispatchable load)?</p> <p>For Section 5.13, is the AESO saying that a facility must be 67.5 MW (or 75 MVA) in total to offer OR?</p>
2.	Are there areas of market participation or compliance with standards that in your view need special consideration for energy storage that are not identified in the qualification and ARS applicability document?	<p>Load Shed Services for imports (LSSi) is a unique reliability product procured by the AESO to manage import contingency events. In short, LSSi providers must be able to respond within 12 cycles. Inverter-based energy storage can respond as fast as a half-cycle depending on communication system capability. Energy storage resources would be a unique asset to provide LSSi, can the AESO share their views on the ability of energy storage resources to provide LSSi? At a high-level, what would be the</p>

		<p>requirements for energy storage resources to participate in LSSi?</p> <p>In the Bulk and Regional Tariff Design consultations, the AESO put forward an option for energy storage to be exempt from tariff costs when providing essential reliability services (e.g., regulating reserve). Would the AESO consider a separate consultation to consider a temporary exemption from tariff charges for energy storage resources offering regulating reserves?</p>
3.	Additional comments	

Thank you for your input. Please email your comments to: energystorage@aeso.ca.