# Future Clean Electricity Fund – October 13, 2023

## Generators

## Feedback Provided by:

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Following the October 13, 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 Future Clean Electricity Fund web page.

**Please submit feedback to** engagement@ieso.ca by **October 27,2023**. 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.

| Topic | Feedback |
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| What barriers for new electricity generation projects have you encountered in the province? | We believe that one of the barriers that should be addressed by this fund is with respect to greater transparency around connection capacity availability on the distribution systems across Ontario.<br><br>Information sharing platforms – especially capacity maps - are an incredibly important tool for all customers, but especially for those considering the siting or location for Distributed Energy Resources. Targeted asset deployment, such as rooftop solar and distribution connected storage, enable end use customers and communities to produce and distribute their own electricity, reducing the reliance on, and supporting services needed by, the provincial electricity system. Greater customer awareness to proactively site these resources in areas of the grid that may benefit most will be incredibly helpful – not just for the customer, but in reducing the burden on utilities.<br><br>Several other jurisdictions around North America and Canada (for example: Fortis AB, Manitoba Hydro and AESO), have already recognized the value that transparent data and visualization of connection capacity can provide its customers. Unfortunately, without access to this publicly available data, the only way for customers to know where to site new resources, including new EV charging connections, is by directly submitting a connection request to the utility itself. This means that customers considering electrification projects, DERs, or EV charging connections must allocate time and resources to identify sites, consider land acquisition strategies, speak with property owners, and prepare design work – to potentially be told that there was never any capacity available to begin with. This burdens LDCs, customers, and EV charging companies alike with avoidable work. |

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| What type(s) of support from the IESO would facilitate new clean electricity project development? | The IESO should consider providing funding for utilities to develop and implement information sharing platforms, including user-friendly capacity maps in Ontario, potentially by expanding Funding Stream (7) Local Distribution Company Permitting Support. A map, similar to that provided by Manitoba Hydro, which we understand was fairly straightforward to implement at limited cost, could greatly aid customers considering the adoption and siting of DERs, EV charging locations - and unburden LDCs from responding to unnecessary connection requests. |

| Topic | Feedback |
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| Do you have any projects under development that would benefit from the FCEF support? | Click or tap here to enter text. |

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| Are there any additional potential funding streams the IESO should consider? | Tesla believes that the (3) Competitive transmission procurement support, should be expanded to consider funding for energy storage projects that are deemed "storage-as transmission" ("SAT"). Energy storage is a flexible and nimble resource that can provide several services to the grid. These are often considered in the context of energy supply – firming of capacity of other resources, lower emissions alternative to fuel-based facilities, or for end use customers as backup supply – but there is a growing number of examples that storage can also be useful as a transmission asset. In several jurisdictions around the world, system operators and regional transmission organizations have been exploring how storage can be integrated into transmission planning and operation. Storage-as-transmission is an energy storage system use case where batteries are deployed for reliability service on the transmission system. By integrating storage facilities into transmission equipment, they can help to moderate power flows on transmission lines at key periods. Used like this, storage can enhance existing transmission lines or as an alternative to building new transmission projects. As such, the IESO should ensure future funding for SAT in this stream as well. |

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| Should any of the identified potential streams be recommended? Removed from consideration? If so, why? | Tesla is also supportive of the following streams: (2) Customer-sited energy; (4) Indigenous energy projects |

## General Comments/Feedback

Thank you for the opportunity to provide feedback on the Future Clean Electricity Fund (FCEF). Here is the link to the Manitoba Hydro electricity supply capacity maps referenced on page 3: https://experience.arcgis.com/experience/689a9f8287f54232a1609c9196c568f9/page/home/