

Feedback Form

Future Clean Electricity Fund

Feedback Provided by:

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Following the Future Clean Electricity Fund engagement webinar, the Independent Electricity System Operator (IESO) is seeking feedback.

Please submit feedback to engagement@ieso.ca by **November 10, 2023.**

Topic	Feedback
What type of clean electricity projects are you exploring?	We are currently developing an RFP for third party owned, net-metered solar at two City of Ottawa facilities. If successful, other solar or other distributed energy resource (DER) projects could follow.
What barriers have you experienced to implementing clean electricity projects?	The City of Ottawa experiences a range of barriers in implementing clean electricity projects. The following list of barriers includes those that have been brought to the attention of the City as well as those the City has directly experienced: Those that reduce project feasibility include: 1. The requirement of a 3-10 kW cut off for renewable energy assessments is very low, 2. The requirement of a 10 kW cut off for connection impact assessments is very low, 3. The disconnection and re-connection fee for a behind the meter project adds significant cost, 4. The

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	<p>requirement of a new bi-directional meter, and in some cases, a new meter base adds significant cost, 5. The flat rate charge for net metering in areas of Ottawa served by Hydro One distribution adds significant cost, 6. Equipment costs to install load displacement generation (as opposed to net metering) adds significant cost, 7. The requirement for control and monitoring equipment for projects with a capacity over 200 kW adds significant cost and complexity, 8. Delays for approvals may add cost and unpredictability. Additional barriers include: 9. Areas of the distribution system which cannot accept power imports from net metering can render projects unfeasible, 10. Lack of regulatory allowance for virtual net metering limits the type and number of projects, 11. Proponents have limited resources to identify and execute projects, 12. A lack of standard land use planning guidance from the province for projects with land use implications, 13. Electrical system reliability: power can't be exported when the grid is experiencing a blackout and, 14. The fact that some clean energy technology is new or evolving generates a learning curve for all involved.</p>
<p>What tools would be helpful to overcome the barriers?</p>	<p>The following are strategies which could address the barriers identified: 1. Raise review and assessment thresholds, 2. Provide funding for project costs through local distribution companies to reduce or eliminate fees or directly, to project proponents, 3. Provide capacity to groups undertaking or supporting projects, 4. For province-wide planning issues, provide guidance that can be used by all municipalities and 5. Targeted grid improvements which are intended to improve reliability or remove capacity constraints which impede the connection of renewable generation.</p>
<p>Any streams that should be considered?</p>	<p>If carbon pricing is applied on imported electricity, revenues from it should also go into the fund. Fines levied by the IESO and possibly the OEB could also go into this fund.</p>
<p>What considerations should go into determining priority projects?</p>	<p>Consider co-benefits to the clean energy projects: 1. Increased climate change resiliency, 2. Reductions in distribution and transmission costs, 3. Local economic development including job creation and contributions to</p>

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	the municipal tax base, 4. Ability of renewable energy projects to be re-powered, years after their completion, to produce more energy, 5. Reduced local air pollution from avoiding combustion-based generation, 6. Direct opportunities for landowners, utility rate payers and increased customer choice, 7. Ability of a project to generate revenue that could be re-invested into Future Clean Electricity Fund and, 8. Ability of projects to contribute to needs of Ontario’s bulk electricity system
Did your municipality provide, or decline to provide, support to a project in the IESO’s expedited long term procurement?	City Council will consider the LT1 RFP requests for Municipal Support Resolution on December 6, 2023.
How could the fund be used to bolster support/decision making for providing support to generation projects located in your municipality?	This varies on the challenge or opportunity under consideration. Overall, it’s important that initiatives have as much permanence as possible so that businesses and consumers can plan with fewer variables. Generally, the City of Ottawa believes that the elimination of barriers will be key to achieving optimal outcomes with Future Clean Electricity Fund investments.

General Comments/Feedback

There was some discussion of biogas at the webinar. Although, generating electricity with biogas may be a best practice in some situations, the City of Ottawa’s integrated Energy Evolution model indicates that all biogas needs to become renewable natural gas to address energy demand in building heating and the industrial sector.

The City of Ottawa thanks the IESO for the opportunity to provide this feedback.