

Feedback Form

Energy Efficiency Opportunities for Grid-Connected First Nation Communities – November 20, 2020

Feedback Provided by:

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Date: 09/12/2020

To promote transparency, feedback submitted will be posted on the Energy Efficiency Opportunities for Grid-Connected First Nation Communities webpage unless otherwise requested by the sender.

Following the November 20, 2020 webinar where IESO presented the draft program design, feedback is being sought on the program design elements discussed. 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 November 20, 2020 entry on the [Energy Efficiency Opportunities for Grid-Connected First Nation Communities webpage](#).

Please provide feedback by December 11, 2020 to engagement@ieso.ca. Please use subject: *Feedback: EE for First Nation Communities*.

Thank you for your time.

General Program Design

Topic	Feedback
Do you think this draft program design will help your community more easily identify and complete energy efficiency projects for your commercial buildings?	Yes, depending on what the new incentive amounts will be. And the addition of the improvements I have listed below.
Is there anything we're missing in this design that you feel would help make the program more effective for your community?	<p>Yes, there is. I understand load shedding, and load shifting does not save energy, but it does save money on demand charges and TOU rates. The #1 motivator for energy savings is money. The IESO and LDC, spend lots of dollars on advertising about saving money by recommending to do your laundry, dishes, etc. after peak hours. The new funding program is even called the 2021-2024 Conservation and Demand Management Framework. The IESO also has an Auction Pilot coming out that aims to procure demand reduction, and sustained load shifting. It is unclear why load shifting is not included in the IESO Save-on-Energy incentives.</p> <p>Heating in First Nation homes and businesses is typically electric, and heating requirements cannot be easily shifted, you need it when it is cold and the home owner or business cannot control that. There are very few technologies available to save on heating for the first nations people, fuel conversion is usually not an option.</p> <p>Retrofit options include, heat pumps and energy storage. Installing air-to air heat pumps, or geothermal are a good option if the payback is good and if there is HVAC and refrigeration maintenance service company available in the community. Battery Storage and Thermal Storage are an option. Thermal Storage can use water as storage in a boiler situation, or ceramic electric thermal storage (ETS) can easily replace electric baseboard, and water storage and ETS can be used with forced air furnaces also.</p> <p>Other benefits are for communities on diesel generators, battery and thermal storage technology would allow for smaller generators and better fuel efficiency and lower maintenance cost by spreading the load throughout the day. And storage would also act as a back-up if the genset has a failure.</p>

Topic	Feedback
	I recommend the IESO allow Thermal Storage options for incentives for Grid – Connected First Nation Communities.
Would virtual energy management support combined with a local resource be effective in helping to identify energy efficiency project priorities in your community? Are there any other supports you would need?	Yes, it will for some CEC's No additional support is needed by me.

Program Implementation

Topic	Feedback
In addition to technical and financial information, is there any other information that is typically required to enable Band Council to provide approval for a project?	Unknown at this time.
Is there a representative in your community who is already responsible for energy or building-related activities that could work with the IESO on implementing this energy efficiency program? If so, please provide information on their position, title, and responsibilities.	N/A
If you do not already have an individual in your community that could support the implementation of this program, what support would be necessary? Could the funding available from the IESO to hire a Community Energy Champion be sufficient for this purpose? (Community Energy Champion program overview page)	N/A

Topic	Feedback
Do you think your community would have a difficult time identifying a person for the Community Energy Champion role?	<p data-bbox="743 163 971 205">Yes, it is difficult.</p> <p data-bbox="743 247 1485 443">To attract experienced people. The IESO should consider 2nd program for first nation communities. An Energy Manager for First Nation Communities, with the salary matching the commercial/Industrial Energy Manager Program</p>

General Comments/Feedback

For many of the same reasons listed in question 2. I believe incentives should be allowed for LED/Solar/ Off-grid street lighting. It saves energy (100%), and saves money, and helps reduce the communities carbon foot print.