

Feedback Form

Northeast Ontario Electricity Planning – April 26, 2022

Feedback Provided by:

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Date: April 29 2022

Please submit feedback to engagement@ieso.ca by **May 17, 2022.**

Topic	Feedback
<p>What other information should be considered in the study scope, examination of needs and potential options in Northeast Ontario?</p>	<p>IESO should be considering more methods of promoting community based renewable energy. There is clearly a growing need for energy in the Northeast of Ontario and I expect in other locations. Rural communities have long sense suffered with high transmission costs due to power needing to be shipped to relatively small load centres. They have the space for cost effective field mounted single axis systems that have proven effective in Ontario winters. Renewable energy has a good record of reliable production but the scale it has been utilized makes it minuscule in comparison to the other sources. Renewable energy costs continue to decline while all other sources continue to grow often at an alarming rate. Utility scaled mega batteries are proving cost effective and can be installed in a relatively short period of time.</p> <p>IESO should be developing a context for energy development that challenges each region to create its own electrical energy production to supply its own energy needs. This would need community scaled and industrial scaled production capacity that could be undertaken on a virtual net metering scale.</p> <p>Communities Need Better Support:</p> <p>While you appear to have in place some of the tools needed to begin to create the awareness and understanding needed to advance new technology for Indigenous communities there is an obvious lack of these resources for nonindigenous communities although their needs are very similar. Even investigating FCM resulted in no real energy production support as their focus appears to be on energy conservation. Without the knowledge of the positive impacts and an understanding of the business case communities will continue to see them selves as consumers and not producers of energy. This will result in missing the economic and distributed value of renewable energy resulting in increased transportation and production costs of energy to non-major urban centres.</p>

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<p>What feedback do you have regarding any of the options proposed?</p>	<p>Increased hydraulic potential to optimize production is good. Nuclear is increasingly costly with major engineering gaps even after 50 years of operation. Transmission line capacity increases will give the flexibility we will need in the future but that needs to be coupled with increased distribution of energy sources.</p>
<p>What other information should be considered in the continued development of these solutions leading up to the recommendations?</p>	<p>Solar and wind with mega utility scale battery and hydraulic back up would appear to the lowest cost opportunity to meet the increase in energy that is needed as we switch over to electric for home, institutional and industrial heating, transportation and farm and industry operational needs. While locally owned renewable energy production should be prioritized to keep communities involved in the production of energy, utility scale development should also be promoted with provincial energy producers like Ontario Power Generation. Production on major grid scaled levels could be the solution to supplying the needed expertise in construction and operating of systems over the longer time frame.</p>

General Comments/Feedback

New technology that could use the growing battery storage capacity in vehicles would compliment the renewable energy sources and distribute energy over time and location effectively. Battery storage both in vehicles and in megapack utility storage is advancing rapidly as new technologies advance the science of batteries. Even Ontario is now playing a significant role with both mining supplying basic resources and manufacturing of batteries. This type of broad engagement would take community level awareness to combat the misinformation that is leveled at any competition by the declining fossil fuels industry as an example.