



OCTOBER 22, 2020

Exploring Energy Efficiency Opportunities for Grid-Connected First Nation communities

Agenda

- About the IESO
- Background
- Overview of Current Energy Efficiency Programs
- Access to Current Energy Efficiency Programs (*Questions & Poll*)
- Challenges to Implementing Energy Efficiency Projects and Support needed (*Questions & Poll*)
- Commercial and Institutional Buildings in Your Community (*Questions & Poll*)
- Next steps

IESO: Who we are and what we do



Reliably operate Ontario's province-wide system 24/7



Support innovation



Create electricity market efficiencies



Work closely with communities to explore sustainable options

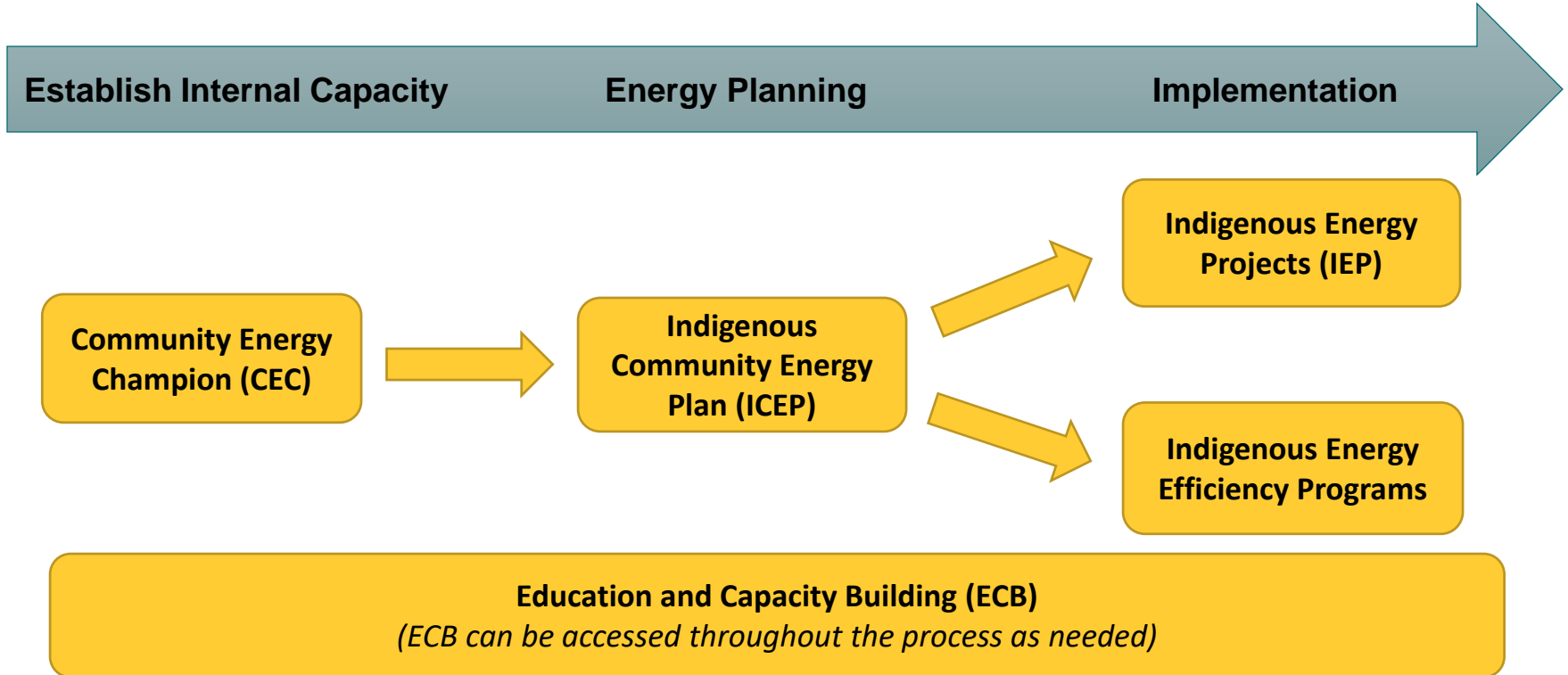


Plan for Ontario's future energy needs



Enable province-wide energy efficiency

IESO programs for Indigenous communities



IESO's Role in Energy Efficiency

As part of our core mandate, the IESO is responsible for bringing energy efficiency programming to customers and communities. We do this because:

- Energy efficiency provides one of the cleanest and lowest cost alternatives to procuring new generation
- Energy efficiency lowers peak demand, allowing the IESO to defer or avoid the need build more costly energy infrastructure
- Energy efficiency helps customers manage their energy bills and contributes to a number of other benefits for customers and communities, including lowered maintenance costs, job creation, capability building, and improved indoor health and comfort

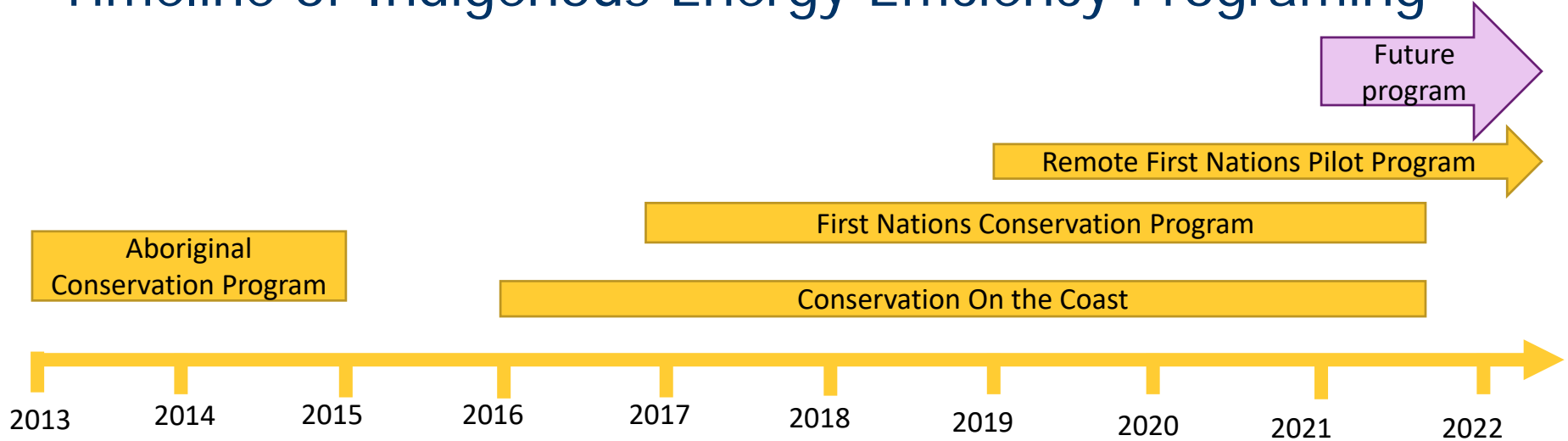


Background

Background

- On September 30, 2020, the Minister of Energy, Northern Development and Mines directed the IESO to deliver a new suite of energy efficiency programs in 2021-2024
 - A portion of this funding is dedicated to programs supporting on-reserve First Nation communities in implementing energy efficiency projects
 - Income eligible residential customers connected to the IESO electricity grid will have access to a new residential program starting in January 2021

Timeline of Indigenous Energy Efficiency Programing



- By the end of 2020, most Ontario grid-connected First Nation communities will have been served at least once by an IESO residential energy efficiency program
- IESO proposes to target a portion of the new framework funding for previously unserved commercial and institutional opportunities in First Nation Communities

Purpose

- To seek feedback from communities to help inform the design of future energy efficiency programs for First Nation communities in Ontario
- To identify new energy efficiency opportunities for commercial and institutional buildings in First Nation communities

Process

Today's engagement (October 22)

- Background on energy efficiency and existing programs
- Communicating IESO plan to create a new program for on-reserve commercial and institutional facilities
- Seeking feedback from you on commercial and institutional opportunities and areas of interest
 - Discussion of survey responses received
 - We will stop for Q&A throughout the presentation and will also welcome your comments at those times
 - We will also ask you to answer a poll while we wait for questions and comments to come in

Process cont'd

Second engagement (November 18 to 20)

- Presentation of a proposed program design:
 - Intention to address the opportunities and areas of interest identified in first engagement
 - Seek feedback from you on the design proposal (does the proposal effectively address those opportunities and needs?)

Program Launch (Summer 2021)

- Informational presentation of the final program design
- Explanation and Q&A on how to participate in the program



Overview of Current Energy Efficiency (Save on Energy) Business Programs

Energy Efficiency for your Community

- Energy efficiency includes investing in upgrading buildings and equipment so that they use less energy and reduce your energy bills
- Example equipment are lighting, heating, air conditioning, insulation, motors, pumps, etc.
- IESO's Energy Efficiency programs provide financial and technical support to help your community invest in energy efficiency
- Investing in energy efficiency also can create jobs, build capacity, reduce environmental impact, and increase occupancy comfort



Save on Energy Retrofit Program

- Customer fills out application for a rebate for energy efficient equipment
- Application is pre-approved
- Customer installs the equipment using a contractor
- Project is approved after installation
- Customer receives rebate – up to 50% of the project cost



Save on Energy Small Business Lighting Program

- A program representative calls and arranges an appointment to get started on a potential lighting upgrade
- An onsite assessment identifies the opportunities for lighting upgrades within the small business
- A licensed contractor will install new lighting up to \$2,000, (including the cost of materials and labour) at no cost to participant



Save on Energy Energy Manager

- Funding to hire a certified Energy Manager for large facilities (e.g. industrial)
- Energy Managers increase capacity for businesses to identify and adopt energy-efficiency opportunities
- Energy Managers provide the tools and expertise required to develop and implement energy efficiency strategies in their facilities
- The program helps to overcome barriers associated with executing energy-savings projects by providing detailed energy assessments to participants



Save On Energy Business Programs Summary

Retrofit	Small Business Lighting	Energy Manager
Commercial, institutional and industrial customers	Small businesses	Large Facilities
Up to 50% of project cost	Up to \$2,000 value (includes cost of materials and labour) – no cost to participant	Funding to hire an Energy manager
Upgrades to Lighting, HVAC, and other equipment	Lighting equipment only	Identifies and manages projects to upgrade Lighting, HVAC, and other equipment
Customer coordinates the project and installation	Installation by the program representative	Customer fund projects and able to take advantage of other programs



IESO FN Energy Efficiency Survey

IESO FN Energy Efficiency Survey

The IESO has prepared a short survey that focusses on three different aspects of its energy efficiency programs for First Nation communities. Each of these items will be discussed at the Workshop:

- Access to Current Save on Energy Business Programs
- Challenges to Implementing Energy Efficiency Projects
- Community Owned Commercial and Institutional Buildings

IESO FN Energy Efficiency Survey

For reference purposes, the survey questions are below in the Appendix.

Please visit this address in order to complete the survey:

<https://www.surveymonkey.com/r/73SLNJ6>

Survey results received in advance of the October 22 Workshop will be shared and discussed at the Workshop.

Next Steps

- Survey open until October 30
- Next Engagement Session to be held on a date between November 18 to 20
 - IESO will present draft program proposal based on feedback received in today's engagement and survey responses received
 - IESO will seek your feedback on the straw-person program proposal
- Program Launch – Currently planned for summer 2021
 - Presentation of final program design and explanation of how to apply and participate in the new program

Thank You!

- Interested in Accessing Save One Energy Programs?
 - Retrofit: <https://saveonenergy.ca/en/For-Business-and-Industry/Programs-and-incentives/Retrofit-Program>
 - SBL: <https://saveonenergy.ca/For-Your-Small-Business/Programs-and-Incentives/Lighting>
 - Energy Manager: <https://saveonenergy.ca/en/For-Business-and-Industry/Programs-and-incentives/Energy-Manager-Program>
- Interested in learning more about the 2021-2024 Energy Efficiency Framework? – Link to SOE landing page for new framework: <https://www.saveonenergy.ca/en/Overview/CDM-Framework>

Appendix: Survey Questions

1. Which of the following Save On Energy Business Programs have you heard of?
2. Which of the following Save On Energy Business Programs have you accessed?
3. Have you considered accessing a Save On Energy Business Program, but did not proceed?
4. If you answered “yes” to question 4 what prevented you from accessing a Save On Energy Business program?

Appendix: Survey Questions

5. Has your community invested in any energy efficiency upgrades, outside of Save On Energy?
6. If you answered “yes” to question 5 - did you access any other sources of funding for energy efficiency upgrades?
7. Has your community invested in any of the following types of energy efficiency projects, within the last 5 years, outside of Save On Energy?

Appendix: Survey Questions

Which of the following statements applies to your experience when implementing energy efficiency projects? (Applies to questions 8 to 16)

8. I haven't considered or spent much time thinking about energy efficiency opportunities, but am now interested

9. I am interested in implementing energy efficiency projects, but don't know where to start

10. I know which energy efficiency projects I want to implement, but I don't have enough budget

Appendix: Survey Questions

11. I need help in understanding what energy efficiency opportunities are available in my community
12. I need technical expertise and/or assistance to help implement projects
13. There are not enough qualified contractors in our area
14. I require assistance identifying qualified contractors in my area
15. I need assistance in writing a scope of work for a qualified contractor to implement energy efficiency projects in my community

Appendix: Survey Questions

16. I need assistance in explaining the benefits of energy efficiency projects to my community, in order to get approval to invest in energy efficiency projects

17. I have not implemented any energy efficiency projects in my community

18. Can you discuss challenges to implementing energy efficiency projects and/or support needed in your community, in more detail?

Appendix: Survey Questions

19. For which of the facilities listed below is energy efficiency a consideration as part of the design of the facility?

20. Are you considering energy efficiency upgrades to any of following existing facilities in your community?

21. Who owns most of the commercial and institutional buildings in your community?

22. Who pays the electricity bill for most of the commercial and institutional buildings in your community?

Appendix: Survey Questions

23. Who from your community makes the decision whether or not to invest in projects to upgrade community buildings?

24. In general, how long does the decision making process take?