



NOVEMBER 20TH 2020

Energy Efficiency Opportunities for Grid-Connected First Nation Communities

Commercial and Institutional Draft Program Proposal

Webinar Participation (including audio)

- [Registration Link](#)
 - Use the “Ask a Question” function to submit a question
- Teleconference participation (audio only):
 - Local (+1) 416 764 8640; Toll Free (+1) 888 239 2037
 - Press *1 to alert the operator that you have a question
 - When asking a question, please state your name and who you represent so those participating are aware
- This webinar is conducted according to the [IESO Engagement Principles](#)

Agenda

- Engagement and design process
- Key engagement takeaways
- Review of existing IESO energy efficiency programs
- Draft commercial and institutional program design
- Participant journey map
- Request for feedback
- Next Steps
- Appendix: Community Energy Plans - Analysis & Insights



Engagement and Design Process

Engagement and Design Process

Recap of October 22nd engagement (completed)

- Provided background on energy efficiency and existing programs, and update on new 2021-2024 energy efficiency framework
- Discussed objective to create a new program to support energy efficiency projects for grid connected, on-reserve commercial and institutional buildings
- Collected feedback on commercial and institutional opportunities and areas of interest
 - Audience Q&A, live poll with audience
 - Engagement survey (open from October 8 – October 30th)
 - Technical interviews to help confirm energy efficiency opportunities

Engagement and Design Process cont'd

Today's engagement (November 20)

- Presentation of results from engagements to date and how this has informed our draft program design
 - IESO is seeking feedback on the draft program design via discussion today and using the feedback form

Engagement and Design Process cont'd

Program design finalization (Q1 2021-Q2 2021)

- IESO will use the feedback received in today's engagement to develop a final program design
 - As needed, targeted interviews may be set up to confirm technical and operational details needed before finalizing the program design

Program update and launch (Q2 - Summer 2021)

- Presentation of the final program design
- How communities can participate in the program and Q&A



Key Engagement Takeaways

Key Engagement Takeaways

- Generally, communities are aware of energy efficiency and available programs, however communities have different needs, opportunities, and priorities when it comes to energy efficiency
- Most commercial and institutional buildings are owned and operated by the Band Council
- Communities are interested in energy efficiency and bill savings across a variety of building types

Key Engagement Takeaways (cont'd)

- Community challenges that should be addressed in the program include:
 - Difficulty accessing sufficient funds for implementation of energy efficiency projects
 - Challenges demonstrating the long-term financial and community benefits of energy efficiency upgrades (the “business case”)
 - Identifying specific retrofit opportunities in buildings
 - Identifying and securing contractors to purchase materials and/or install retrofit projects
 - Managing the installation process



Review of Existing IESO Energy Efficiency Programs

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	Customers fund projects and able to take advantage of other programs



Draft Commercial and Institutional Program Design

Draft Commercial and Institutional Program Design

IESO is proposing to offer a collaborative program with communities, which builds on existing province-wide commercial energy efficiency programs to provide additional project support and funding

- IESO would provide free technical support services through use of a “Virtual Energy Manager” to help communities identify, develop, approve and implement energy efficiency projects
- The Virtual Energy Manager (VEM) would work with a community representative to assist with project identification and prioritization, business case development, Band Council approvals, and on-the-ground logistical needs

Draft Program Design Overview cont'd

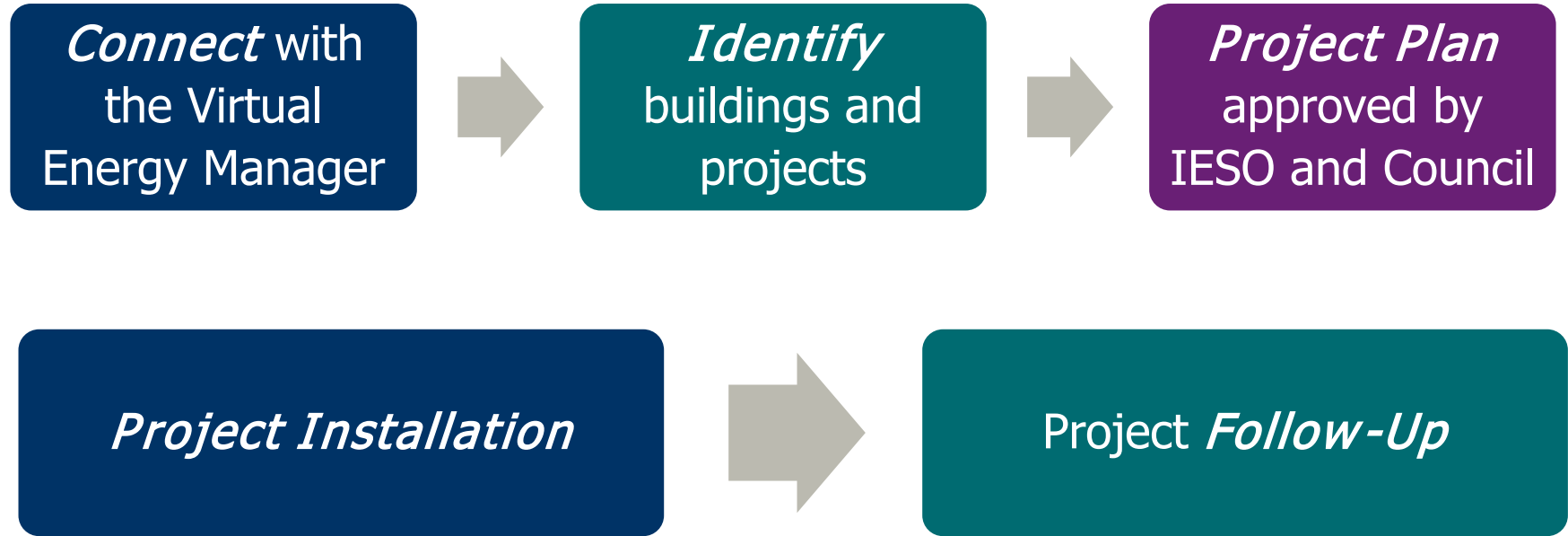
In addition to helping communities access existing IESO commercial energy efficiency programs to fund building upgrades, additional funding would be allocated to each community, up to a cap, to provide:

- Additional funding to cover additional costs and services not eligible under current IESO programs (e.g., building audits, enhanced incentives, installation and logistical costs)



Participant Journey Map

Participant Journey



Connect, Identify, and Project Plan

Connect	Identify	Project Plan
I heard about the program!	Start with Indigenous Community Energy Plan	Priority buildings (e.g. band-office)
Call/email/facebook the VEM	Collect bill and meter data for analysis	Priority end-uses (e.g. lighting)
VEM explains the program	Identify buildings	Costs, logistics, timing
Identify a community representative	Simple walk-through; virtual audits	Project funding*
Connect with Chief and Council	VEM puts together a Project Plan	Community input and approval of the Project Plan
	Take the Plan to Chief and Council	IESO approval of the Project Plan

*Funding is available for eligible costs, up to a cap, and could include additional audits and analysis

Project Installation and Follow-up

Project Installation

Project proceeds!

Community rep provides on-the-ground needs (e.g. building access to contractors)

VEM provides virtual technical support to guide project completion (e.g. virtually oversees installation)

Installation completion

Follow-up

Community rep (with VEM support) submits documentation evidencing project completion

IESO may install energy monitoring devices for evaluation purposes, may require site visit compliance checks

VEM remains available to troubleshoot any equipment issues and ensure energy savings being achieved

Success Stories!



Request for Feedback

Request for Feedback

- Do you think this draft program design will help your community more easily identify and complete energy efficiency projects for your commercial buildings? Is there anything we're missing in this design that you feel would help make the program more effective for your community?
- Would Virtual Energy Manager 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?

Request for Feedback cont'd

- 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?
- 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?
 - What is their position/title/responsibilities?

Request for Feedback cont'd

- 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?
 - <http://www.ieso.ca/en/Get-Involved/Funding-Programs/Community-Energy-Champion-Program/CEC-Overview>
- Do you think your community would have any challenges in identifying a person for the Community Energy Champion role?

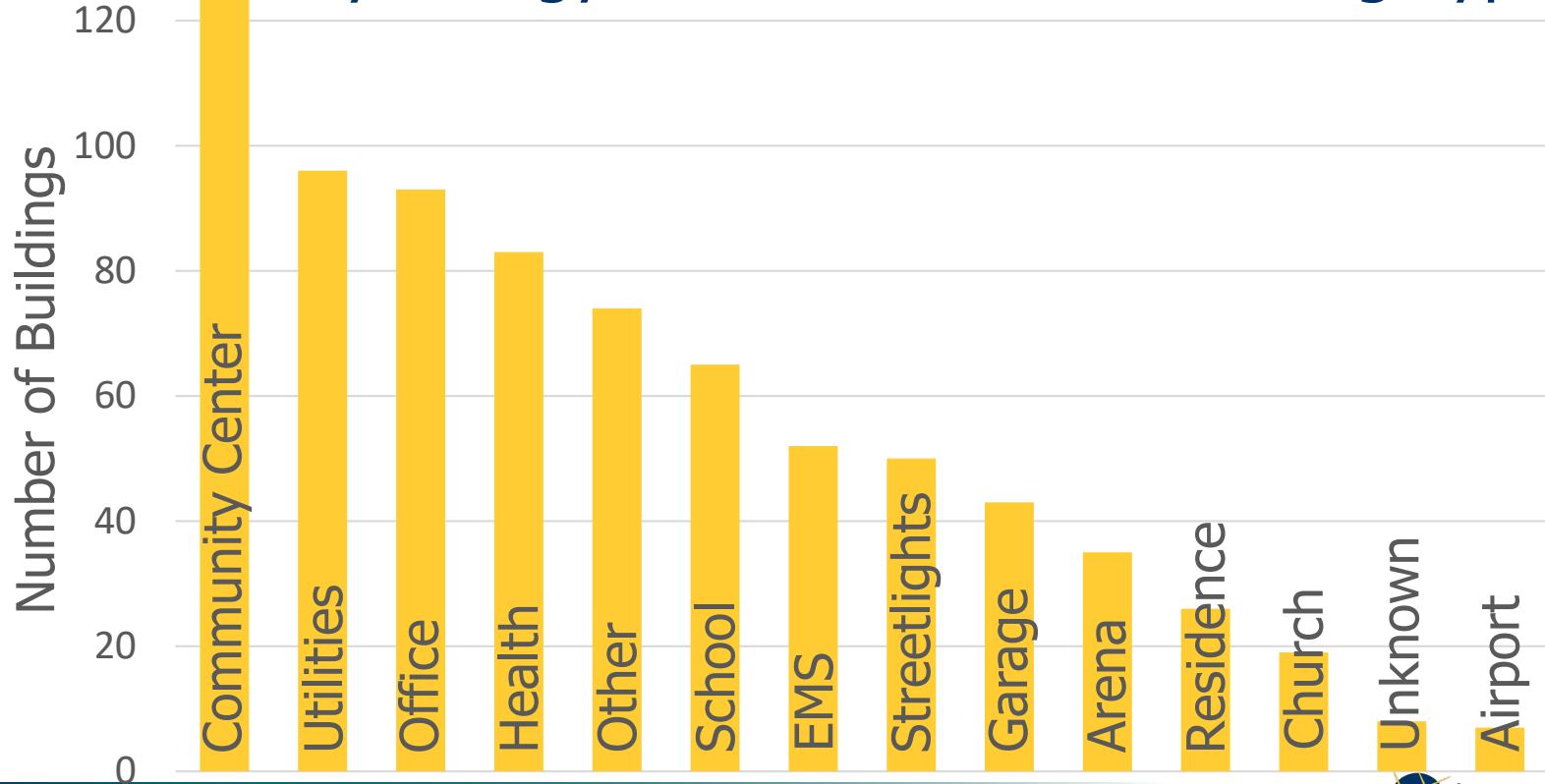
Request for Feedback cont'd

- The IESO is seeking feedback on the program design elements presented in today's meeting
- Please use the feedback form found under the November 20th entry on the [Energy Efficiency Opportunities for Grid-Connected First Nation Communities webpage](#) to provide feedback and send to engagement@ieso.ca by December 11, 2020



Next Steps

Community Energy Plans – Common Building Types



Next Steps

Formal engagement wrap-up

- Submit Feedback form by December 11, 2020

Program Design development

- IESO will incorporate feedback in a detailed program design
- Would include program steps and participation process, timing requirements, eligible costs and budget caps

Program update and launch (Q2 –Summer 2021)

- Prior to launch, IESO will follow up with a presentation of final program design and explanation of how to apply and participate in the new program



Appendix

Community Energy Plan - Analysis & Insights cont'd

- Based on data collection and analysis from 63 IESO funded Community Energy Plans
- Majority of commercial buildings on reserve are Band-owned and operated
- Common building types include:
 - Band office, water treatment plants, community/health centers, arena, schools, streetlights