

April 13, 2020

Dear **ICECAP** members and community partners,

We wanted to provide you with an update on the **Integrated Community Energy & Climate Action Plans (ICECAP)** program in advance of our Steering Committee meeting on April 20th to which all Councils liaisons have been invited.

First, we recognize that area Councils are very much focused on the priorities of the COVID-19 crisis management. We are thinking of all of you and the health of our residents and communities.

While the Georgian Bay Biosphere region (GBBR) office is closed, their staff continue working remotely, including work on **ICECAP**. Climate action is an urgent issue and the **ICECAP** project administrators and leadership would like to acknowledge local commitments members have made to **ICECAP** in 2020. These will be used to identify efficiencies and opportunities for the group.

As a summary...

ICECAP is an integrated regional model for First Nations and Municipalities within the Georgian Bay Biosphere region. It merges two existing programs and pools limited resources to provide good value for members, to analyze and set targets for achievable reduction of greenhouse gas (GHG) emissions.

> Partners for Climate Protection (PCP): <https://fcm.ca/en/programs/partners-climate-protection>

> Indigenous Climate Energy Plan Program (ICEP): <http://www.ieso.ca/en/Get-Involved/Funding-Programs/Indigenous-Community-Energy-Plan-Program/ICEP-Overview>

Members: **ICECAP** currently has 6 signatories to the Memorandum of Understanding and a number of other Councils pending.

Current members are: the Townships of the Archipelago, Seguin, Carling, McKellar, Georgian Bay, and Town of Parry Sound. All others are invited to join at any time.

Partners: Since the February **ICECAP** meeting, GBBR staff have had productive meetings with West Parry Sound Geography Network, Lakeland Power Distribution, Hydro One, the Independent Electricity System Operators, the District of Muskoka, the Ojemawahj Tribal Council, Waabnoong Bemjiwang Association of First Nations, International Council for Local Environmental Initiatives, Georgian College, and Rethink

Green. Resources and information networks across the province and the country are supporting the **ICECAP** effort. The media is telling our story.

Milestones: Congratulations to all 6 member municipalities who have completed their Corporate Milestone 1 inventory of GHG emissions and to all area First Nations who have completed Community Energy Plans or are working with us to update them!

We are currently gathering lots of data to calculate GHG emissions for Community Milestone 1 and we are on track to complete our regional GHG inventory by the end of the year! Thank you to energy and technical partners who have generously shared data to help us complete this milestone!



ICECAP Project Progress Tracker

Legend				
Not Started	In Progress	Completed	Not Applicable	

Area Councils	MOU Signatories	PCP Corporate Milestone 1*	PCP Community Milestone 1*	ICEP**
Township of Georgian Bay				
Township of the Archipelago				
Township of Carling				
Township of Seguin				
Town of Parry Sound				
Township of McKellar				
Township of McDougall				
Township of Whitestone				
Beausoleil First Nation				
Wahta Mohawk First Nation				
Moose Deer Point First Nation				
Wasauksing First Nation				
Shawanaga First Nation				
Magnetawan First Nation				
Henvey Inlet First Nation				
Dokis First Nation				

*Partners for Climate Protection Program
 **Indigenous Community Energy Plan Program













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What do we measure in PCP Milestone 1?

Corporate: GHG emissions (see figure below) produced by each Council’s internal operations, such as: the fleet of vehicles; streetlights; buildings like arenas, fire halls and community centres; emissions from waste produced from internal operations and local landfills; streetlights; and water or waste water energy use.

Community: GHG emissions (see figure below) produced by residents’ daily activities in homes, businesses, institutions, and during transportation.

Corporate Baseline Data		Community Baseline Data	
Category	Data Needed	Category	Data Needed
 Transportation	<ul style="list-style-type: none"> • Diesel (L) • Gasoline (L) • Year/ Make/ Model of vehicles 	 Transportation	<ul style="list-style-type: none"> • Vehicle kilometers travelled • Vehicle fuel efficiencies • Vehicle types and quantities • Boat traffic and statistics • Boat fuel efficiencies • Off-road vehicle traffic and statistics • Off-road vehicle fuel efficiencies • Population statistics
 Buildings	<ul style="list-style-type: none"> • Electricity (kWh) • Natural Gas (m³) • Fuel Oil (L) • Propane (L) • Population and building statistics 	 Residential	<ul style="list-style-type: none"> • Electricity (kWh) • Natural Gas (m³) • Fuel Oil (L) • Propane (L) • Wood (cords or KG of pellets) • Population and building statistics
 Streetlights	<ul style="list-style-type: none"> • Electricity (kWh) 	 Commercial & Institutional	<ul style="list-style-type: none"> • Electricity (kWh) • Natural Gas (m³) • Fuel Oil (L) • Propane (L) • Population and building statistics
 Solid Waste	<ul style="list-style-type: none"> • Waste management practices • Weight of waste produced (tonnes) • Composition of waste • Landfill waste ends up at • Landfill technology • Population statistics 	 Industrial	<ul style="list-style-type: none"> • Electricity (kWh) • Natural Gas (m³) • Fuel Oil (L) • Propane (L) • Population and building statistics • Waste management practices
 Water & Wastewater	<ul style="list-style-type: none"> • Electricity (kWh) • Natural Gas (m³) • Fuel Oil (L) • Propane (L) • Population statistics 	 Solid Waste	<ul style="list-style-type: none"> • Weight of waste produced (tonnes) • Composition of waste • Landfill waste ends up at • Landfill technology • Population statistics
 BAU Forecast	<ul style="list-style-type: none"> • Population statistics • Property type statistics 	 BAU Forecast	<ul style="list-style-type: none"> • Population statistics • Property type statistics

Together these two inventories: construct a baseline GHG emissions inventory for each **ICECAP** (community) member, provide an important picture of regional energy use, and identify where savings could be made. Millions of data points need to be aggregated to determine the amount of electricity consumed for a region. Initial calculations reveal interesting results and an important perspective: it is common for corporate emissions to represent a very small percentage of a region’s GHG emissions. In fact, **corporate emissions in rural areas typically account for roughly 1% of a jurisdiction’s total GHGs.**

We are grateful to Benjamin John, our Northern Ontario Heritage Fund Corporation (NOHFC) Intern, for his assistance in producing the technical analysis required for Milestone 1 (corporate and community). We are making great progress!

Collecting Community Data

GBBR is developing an **ICECAP**-specific tool that will be made widely available to the public later this year. It is an online "Carbon Calculator" set up to simply and powerfully collect standard data about household energy use. When it has been tested and launched, it will be widely shared among all residents in the communities, associations and other partners to collect data directly for our analysis. This tool we develop could even be used by other places in Canada!

'Made-in-GBBR' Measurements

For an analysis that is most relevant to the Georgian Bay Biosphere region, emissions produced by all residences (fulltime and seasonal) must also be captured by **ICECAP**. These "made-in-GBBR" calculations will consider energy when using boats and off-road vehicles, as they are not required as part of existing national or provincial frameworks. This information will be gathered for full-time and seasonal residents.

Communications

Finally, we have an **ICECAP** Communications Advisory Group that is helping in the design of a program logo, an external communications plan for the year, and specific tools and strategies to share the progress of area Councils and partners on climate action including: media stories, a public brochure, web pages, social media posts, and more. Please get in touch with us if you have a "Climate Action Story" to share or wish to book a webinar or have a teleconference presentation about **ICECAP**.

Summary

Although **ICECAP** is a relatively new program in the Georgian Bay Biosphere region and is still in its early phase, the project has been moving at incredible speeds. Once a clear picture of tonnes of GHGs is calculated for each member Council and aggregated for the region, then an informed discussion can take place to set targets to find energy and cost efficiencies and community-based action plans can roll out.

Thank you for your support and stay safe!

Your **ICECAP** Project Team,

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P.S. Information about **ICECAP** will be regularly updated at gbbr.ca/icecap