

ICECAP – a Regional and Collaborative Climate and Energy Project in the Georgian Bay Biosphere



Presented by:

Benjamin John, MREM, BBA, LEED Green Associate
Climate Change & Energy Specialist,
Georgian Bay Biosphere

ICECAP
INTEGRATED COMMUNITY
ENERGY & CLIMATE
ACTION PLANS



**GEORGIAN BAY
BIOSPHERE**
MNIDOO GAMII
Spirit of the Water



Agenda

01 Overview of ICECAP

02 Measuring Success

03 Future Focus Areas

04 Key Lessons Learned

Purpose & Objectives

Purpose:

The ICECAP is a partnership between First Nations and municipalities located in the Georgian Bay Biosphere region for the purpose of a collaborative, more cost-effective approach to energy management and the reduction of greenhouse gas emissions for the operations of each corporate stakeholder, for each participating community and for the broader region.

Objectives:

1. Encourage the reduction greenhouse gas emissions (GHG)
2. Improve energy efficiency
3. Reduce the use of fossil fuels
4. Adapt to a changing climate by building greater resilience



Regional Approach

- Beausoleil First Nation
- Moose Deer Point First Nation
- Wahta Mohawk First Nation
- Wasauksing First Nation
- Shawanaga First Nation
- Magnetawan First Nation
- Henvey Inlet First Nation
- Dokis First Nation
- Township of Georgian Bay
- Township of Seguin
- Town of Parry Sound
- Township of McKellar
- Township of McDougall
- Township of The Archipelago
- Township of Carling
- Township of Whitestone



ICECAP's Frameworks

FCM's Partners for Climate Protection (PCP)

- Milestone 1:* Create baseline emissions inventory & 'business-as-usual' forecast
- Milestone 2:* Set emissions reduction targets
- Milestone 3:* Develop a local action plan
- Milestone 4:* Implement the local action plan
- Milestone 5:* Monitor progress and report results

IESO's Indigenous Community Energy Plan (ICEP)

1. Community baseline study
2. Current and future needs, priorities and opportunities
3. Create a long-term energy plan
4. Implement the long-term energy plan
5. Ongoing development of long-term energy plan

ICECAP uses these frameworks from a **corporate** and **community** perspective

Corporate refers to the daily activities of First Nation and municipal operations

Community refers to the daily activities of the residents and businesses

Measuring Success

Quantitative

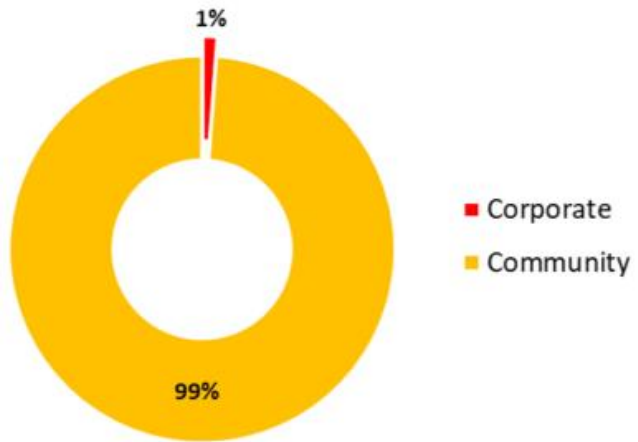
1. Encourage the reduction greenhouse gas emissions (GHG)
2. Improve energy efficiency
3. Reduce the use of fossil fuels
4. Adapt to a changing climate by building greater resilience

Qualitative

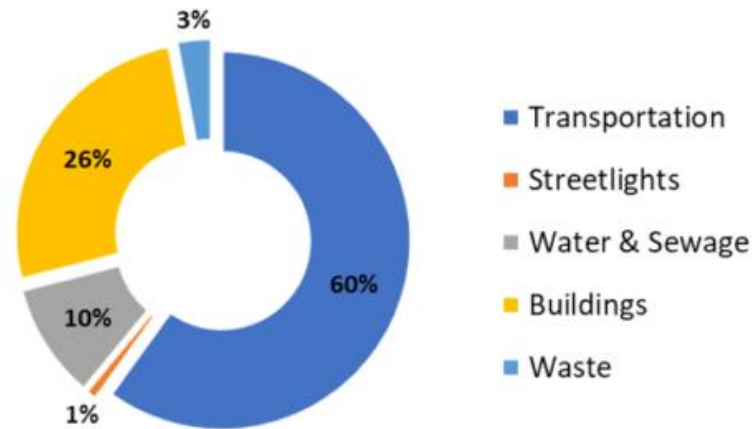
1. Partnerships
2. Climate change knowledge & capacity
3. Community mobilization
4. Stronger community resilience

Results to Date

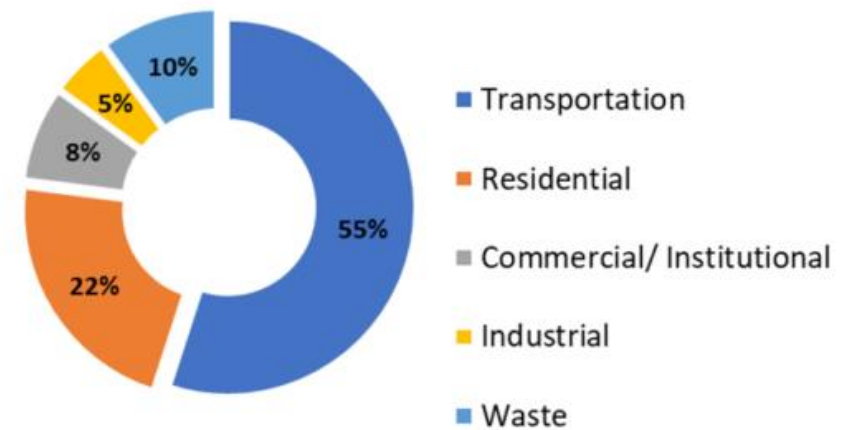
Total GHG Emissions, 2016



Total Corporate GHG Emissions by Sector

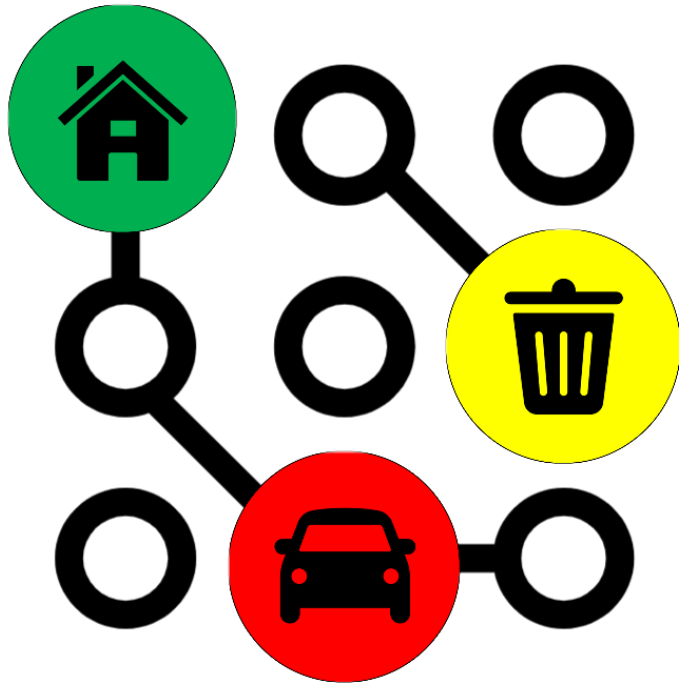


Total Community GHG Emissions by Sector



Results to Date

C A R B O N C A L C U L A T O R



- Participation from 3 provinces
 - 2 First Nations
 - >45 municipalities
- 200 unique entries rep. 500 people
- Gathering first-of-its kind data

g b b r . c a / c a r b o n - c a l c u l a t o r



Future Focus Areas

Mitigation



Buildings



Transportation



Waste

Adaptation



Flood Plain Mapping



Vulnerability Risk Assessments

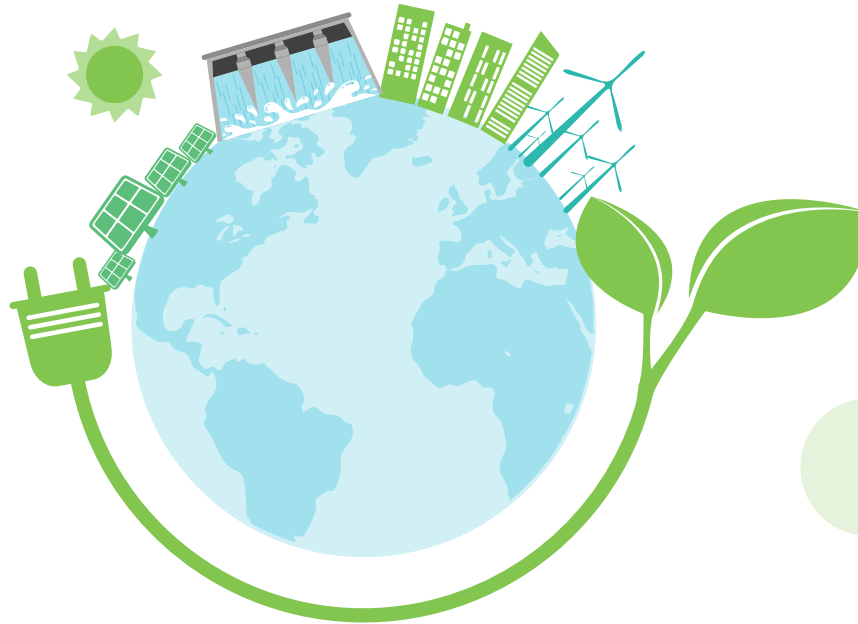
Studies



Key Lessons Learned – Results..

1. Mitigation requires a tailored approach.
2. Understand and tailor scope and approach to the needs and goals of each partner.
3. There is need for data, reports, and locally contextualized information.
4. This is a new project and we are continuously learning.

Questions?



Benjamin John
Climate Change & Energy Specialist
Georgian Bay Biosphere

climate@gbbr.ca

ICECAP
INTEGRATED COMMUNITY
ENERGY & CLIMATE
ACTION PLANS



**GEORGIAN BAY
BIOSPHERE**
MNIDOO GAMII
Spirit of the Water