

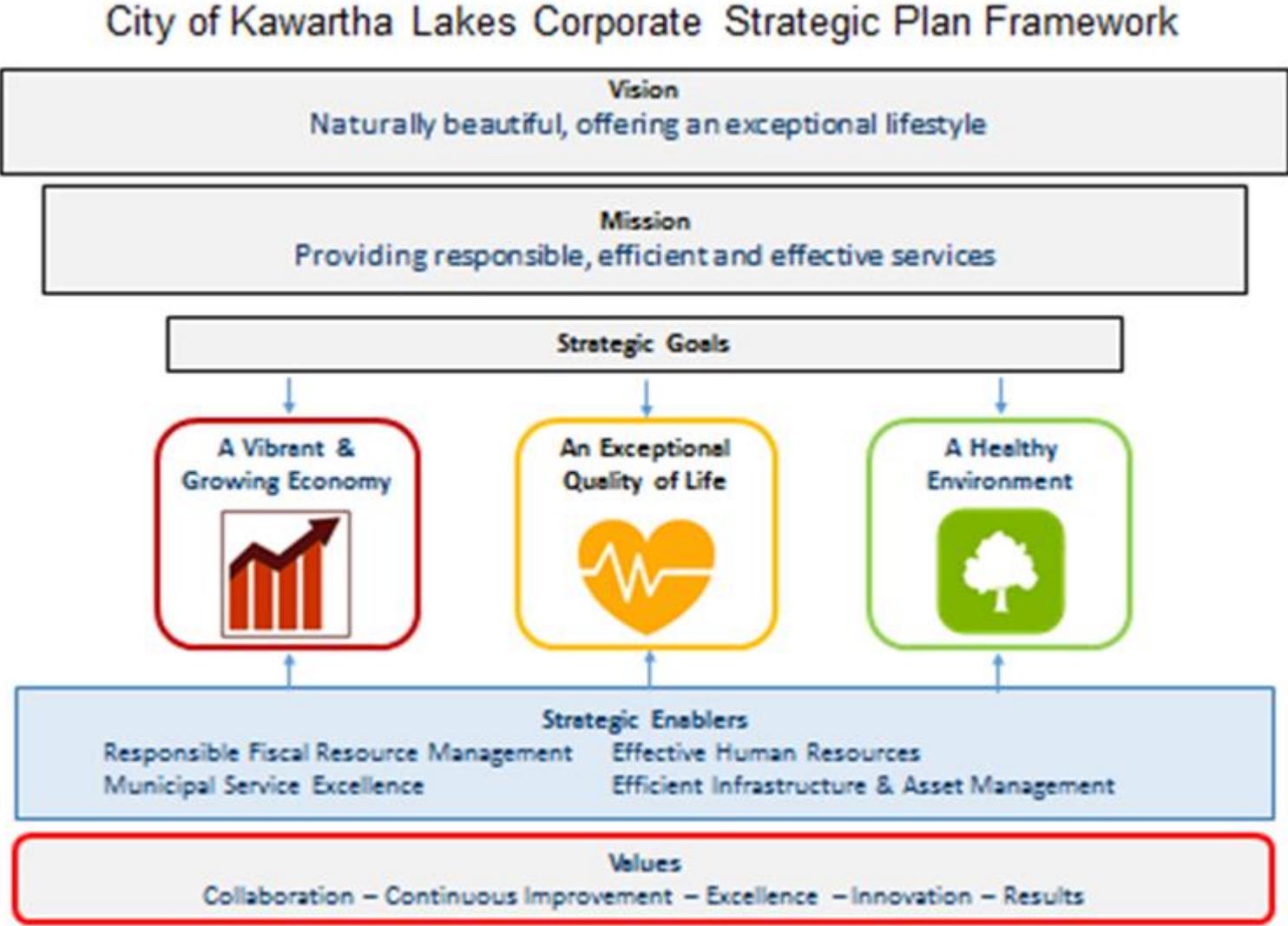


Kawartha Lakes Healthy Environment Plan

Council Presentation – June 19, 2018



City of Kawartha Lakes Corporate Strategic Plan Framework



What We Will Talk About Today

Project Overview

Baseline Emissions and BAU Projections

Community and Stakeholder Engagement

Questions



Project Overview



The Kawartha Lakes Healthy Environment Plan

- Climate action has been identified as a high priority for the City of Kawartha Lakes
 - Identified in several of the City's plans and strategies
 - Building on Integrated Community Sustainability Plan
- Two areas where we can take action:
 - Mitigation: Reducing the amount of greenhouse gas we emit.
 - Adaptation: Better preparing ourselves for the impacts of climate change.
- The project has three phases of engagement:

Defining

Where We Are and
Where We Want To Go

(April – May 2018)

Determining

How Do We Get Where
We Want to Go

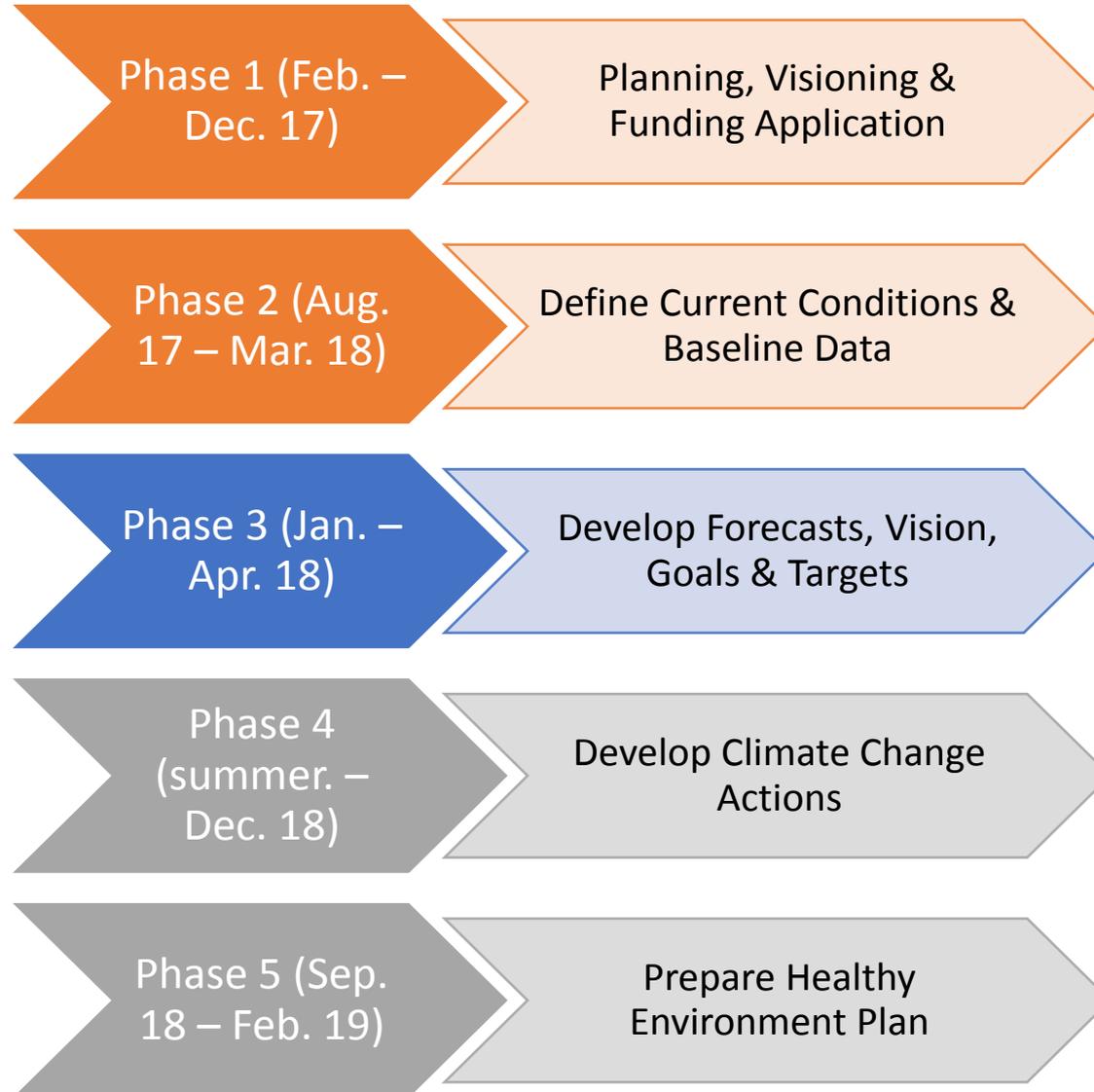
(May – November, 2018)

Designing

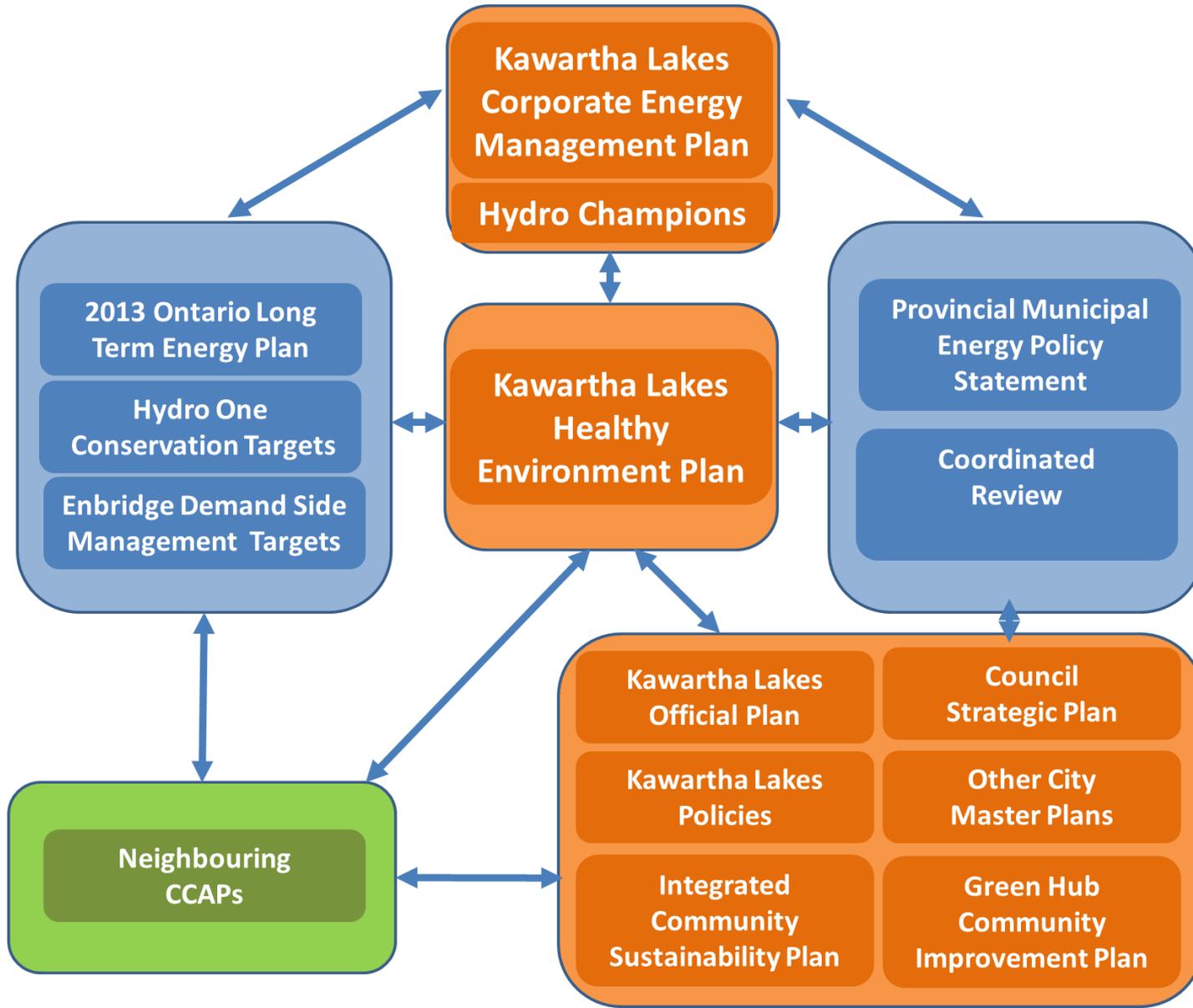
Draft Healthy
Environment Plan and
Implementation

(January 2019)

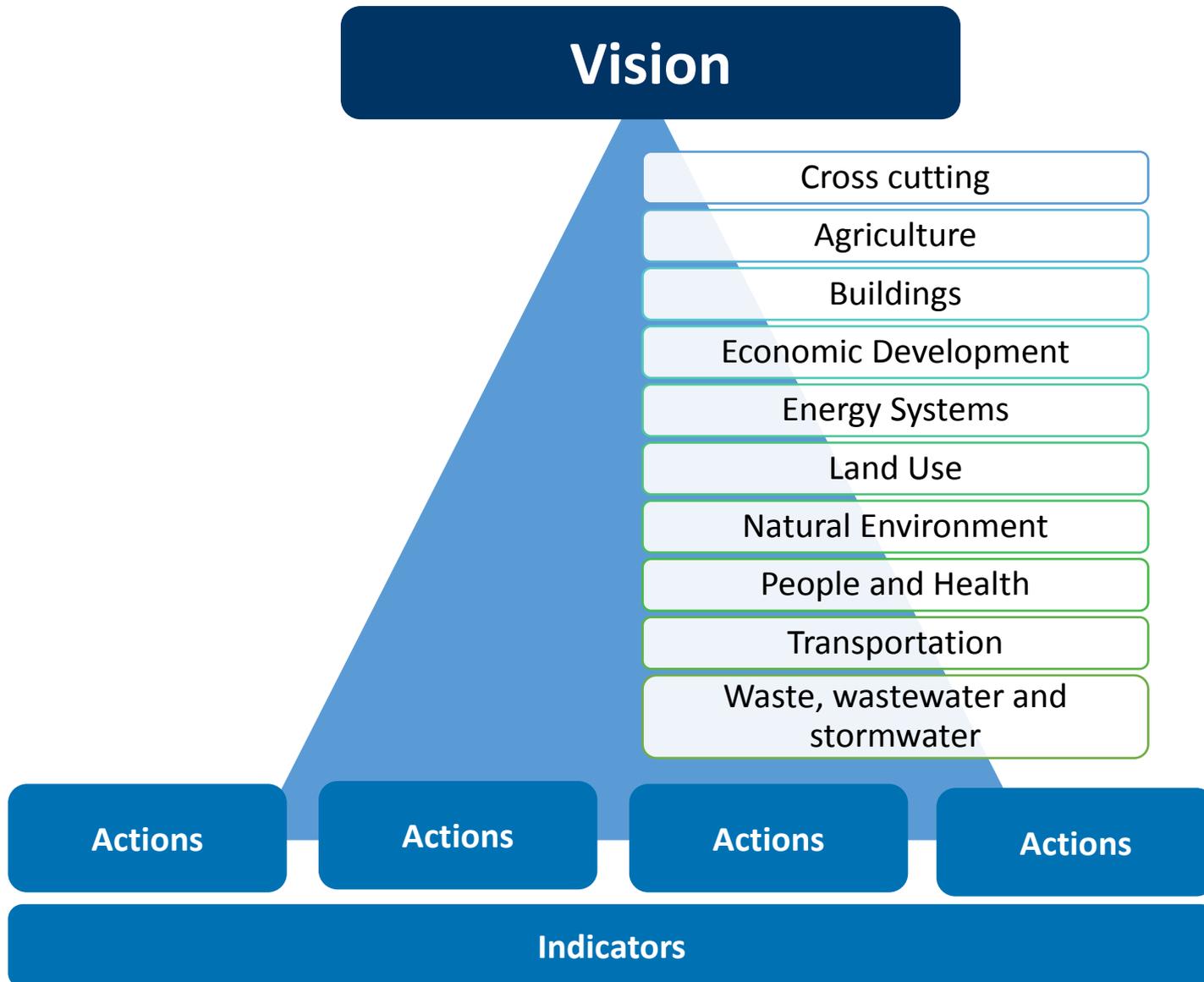
How is the Plan being Developed?



Alignment with other Policies (local and provincial)



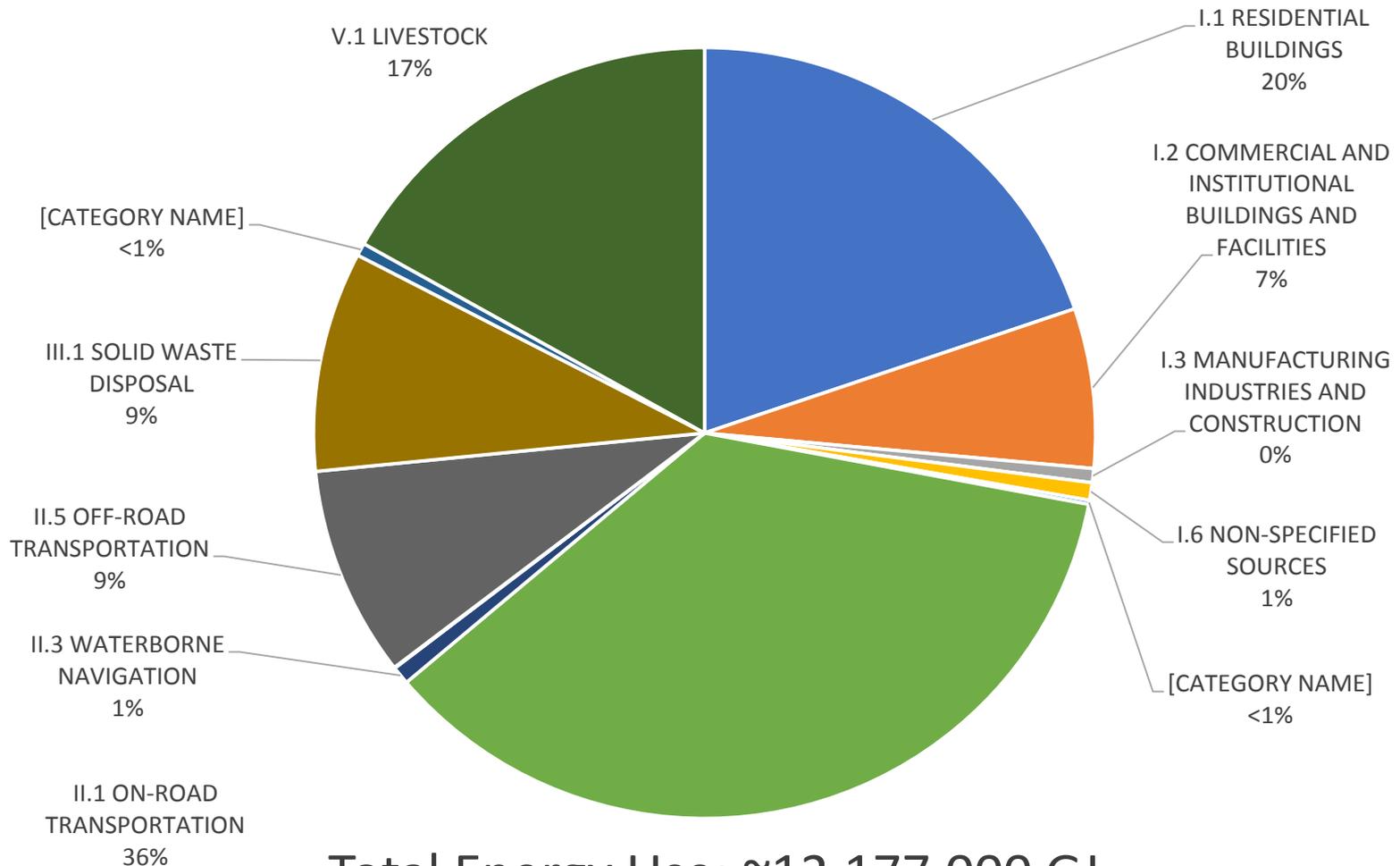
Healthy Environment Plan Framework



Baseline & Projected Climate Conditions



Draft Baseline Greenhouse Gas Emissions (2015)

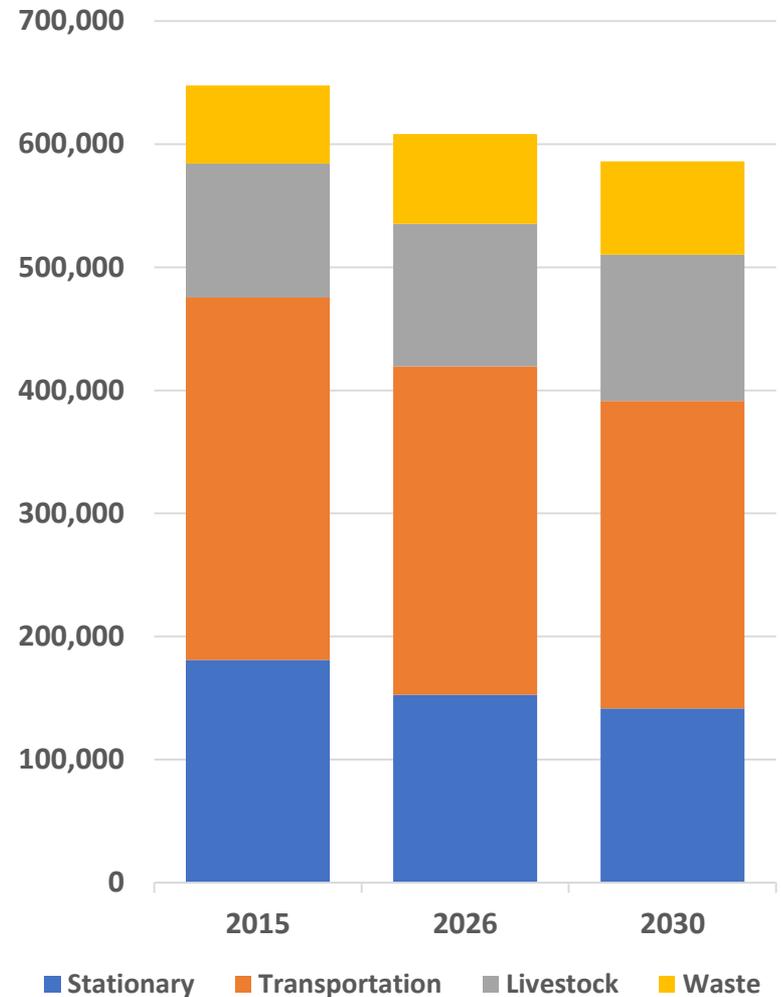
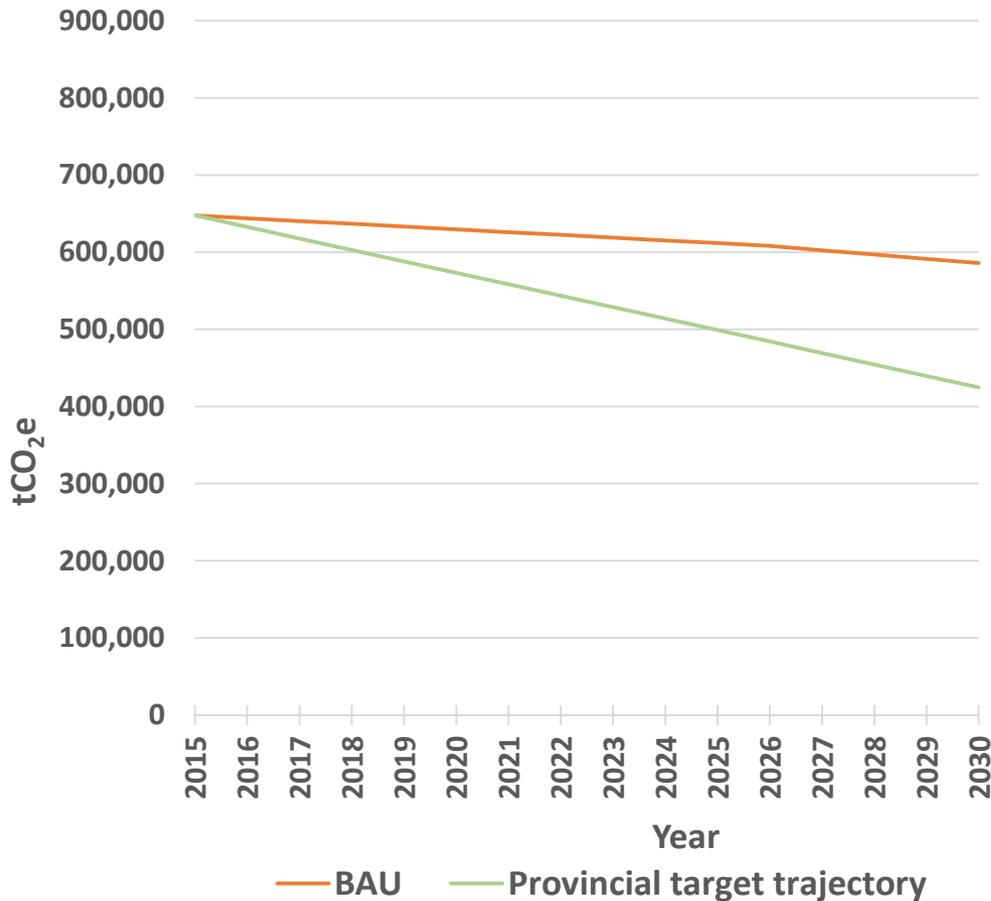


Total Energy Use: ~12,177,000 GJ

Total Emissions: ~650,000 tCO₂e

Emissions per Capita ~7.8

Draft Business-as-Usual Emission Projections



Projected Emissions: 586,000 tCO₂e in 2030 – Reduction of 10%

Provincial Targets

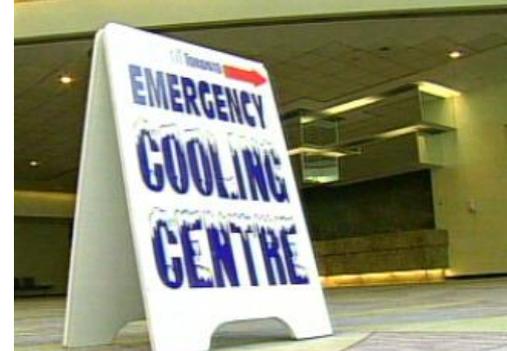
	Ontario population (millions)	Actual or Targeted GHG Emissions (Megatonnes CO ₂ e)	Average per capita emissions (tonnes CO ₂ e)
1990	10.30	182	17.7
2013	13.56	171	12.6
2021	14.98	146	9.7
2031	16.66	115	6.9
2050 est	19.75	36	1.8

Ontario's Targets – 37% by 2030, 80% by 2050

Source: *Community Emissions Reduction Planning: A Guide for Municipalities* (2018) MOECC

Climate Change and How it Affects Us

Indices	Projection
Temperature	<ul style="list-style-type: none">• Warmer in every season• More hot days, fewer cold days
Precipitation	<ul style="list-style-type: none">• Winter and spring getting wetter• Getting more intense
Freeze-Thaw	Fewer cycles in spring and fall
Growing Season	Starting earlier, ending later
Lake water	Warmer temperatures



Community and Stakeholder Engagement



Climate Action Conversations

- Phase One of community engagement under way!
- Online survey to launched!



Come Stand Under my Umbrella



The City of Kawartha Lakes is developing a **Healthy Environment Plan** to outline a comprehensive strategy to take action on climate change in our community.



Why develop a Healthy Environment Plan?

- We're experiencing warmer weather in all seasons, changes in precipitation patterns, and increases in the frequency and severity of storms.
- The Province of Ontario has set a goal of reducing greenhouse gas emissions to 550,000 tCO2e by 2031.



What will the plan include?

- There are two areas where we can take action:
 - **Mitigation:** Reducing the amount of greenhouse gas we emit.
 - **Adaptation:** Better preparing ourselves for the impacts of climate change.



How can you be involved?

- Everyone has a role to play, including local government operations, institutions, businesses and residents.
- We're seeking your feedback in each of the three phases of engagement.
- Climate change affects everyone in Kawartha Lakes. It's time to take action!

Defining
Where we are and where we want to go
(April – May 2018)

- GHG emission forecasts and reduction opportunities
- Climate change impacts, risks and vulnerabilities
- Visions, goals and targets

➔

Determining
How Do We Get Where We Want to Go
(May – November, 2018)

- Identification of potential actions
- Ingredients for success

➔

Designing
Draft Healthy Environment Plan and Implementation
(January 2019)

- Implementation considerations
- Partnerships for action
- Draft Plan



Tell Us Where you Live!





City of Kawartha Lakes
2018 Ward Boundaries

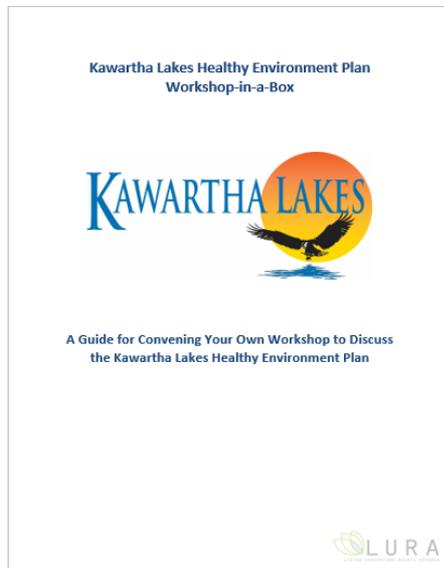


Climate and You



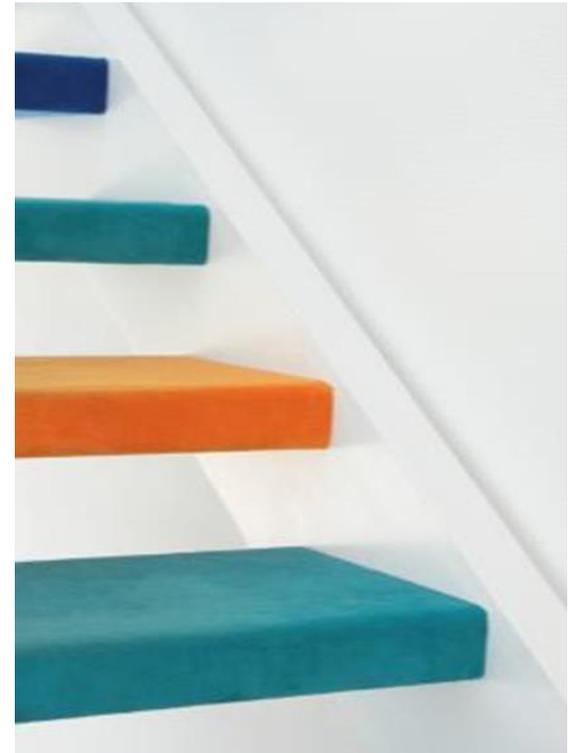
Workshop-in-a-Box

- Toolkit for organizations and groups to run their own self-facilitated workshops about the Kawartha Lakes Healthy Environment Plan.
 - Includes presentation and discussion questions to record feedback.
- Made available online and distributed to interested groups.



How to Get Involved & Next Steps

- Attend and promote pop-up events
 - Unlock the Summer – June 9
 - Settler's Day – June 10
 - Summer Solstice Festival – June 16
 - Coboconk Freshwater Summit – June 16
 - Lindsay Farmer's Market – June 23
 - Woodville Family Festival – July 7
 - Bobcaygeon Farmer's Market – July 14
 - Fenelon Fair – July 21
 - And more!
- Online survey
- Workshop-in-a-Box
- Next Steps
 - Identify vision, goals (underway)
 - Action development (summer/fall)
 - Draft plan (fall)



Questions





Thank You!

Susan Hall, Lura Consulting
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Established Programs and Processes



Figure 1: Partners for Climate Protection Milestone Framework

Established Programs and Processes

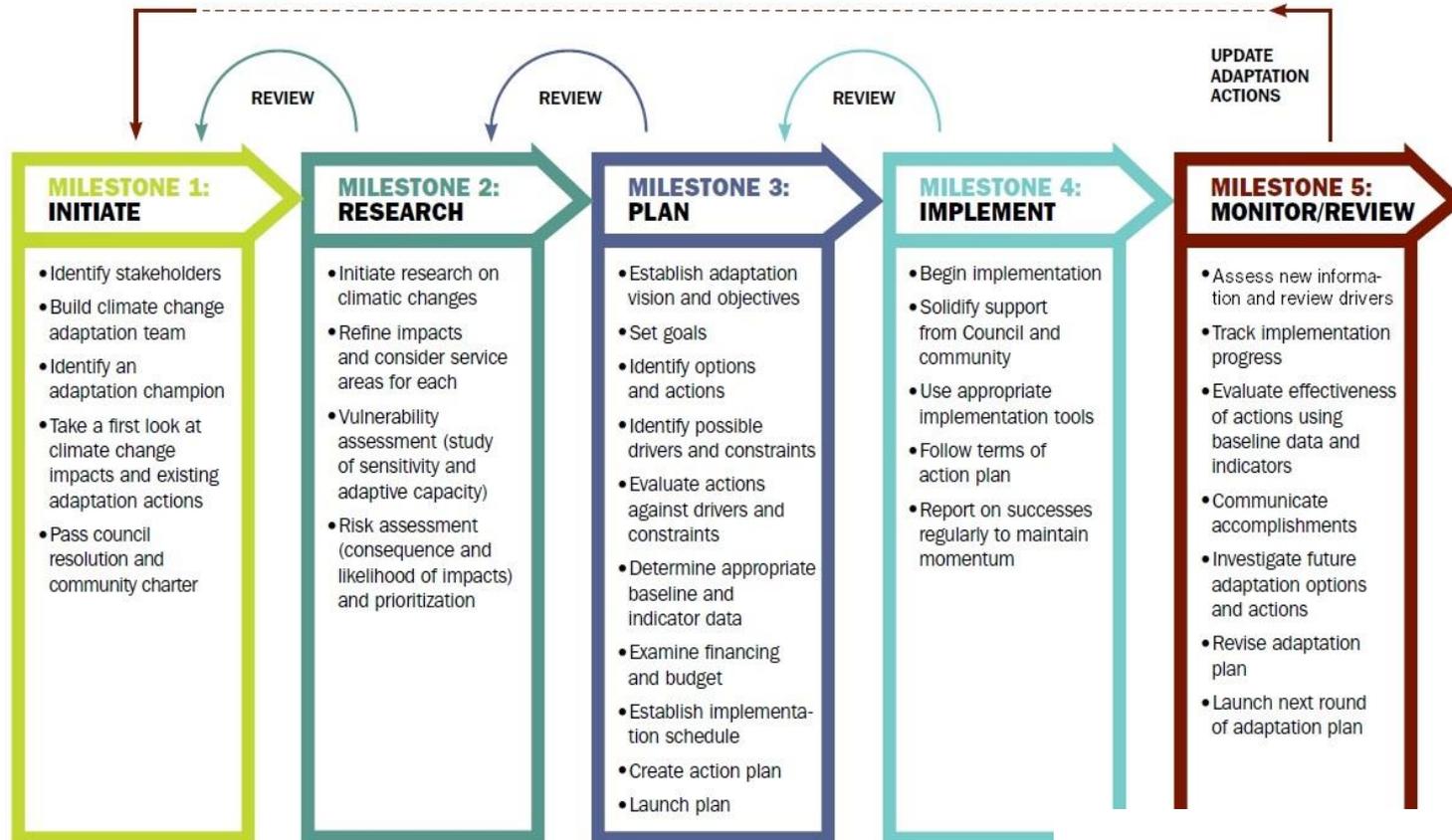


Figure 2: ICLEI Canada's Five-Milestone Adaptation Methodology - "Building Adaptive and Resilient Communities" (BARC)

