

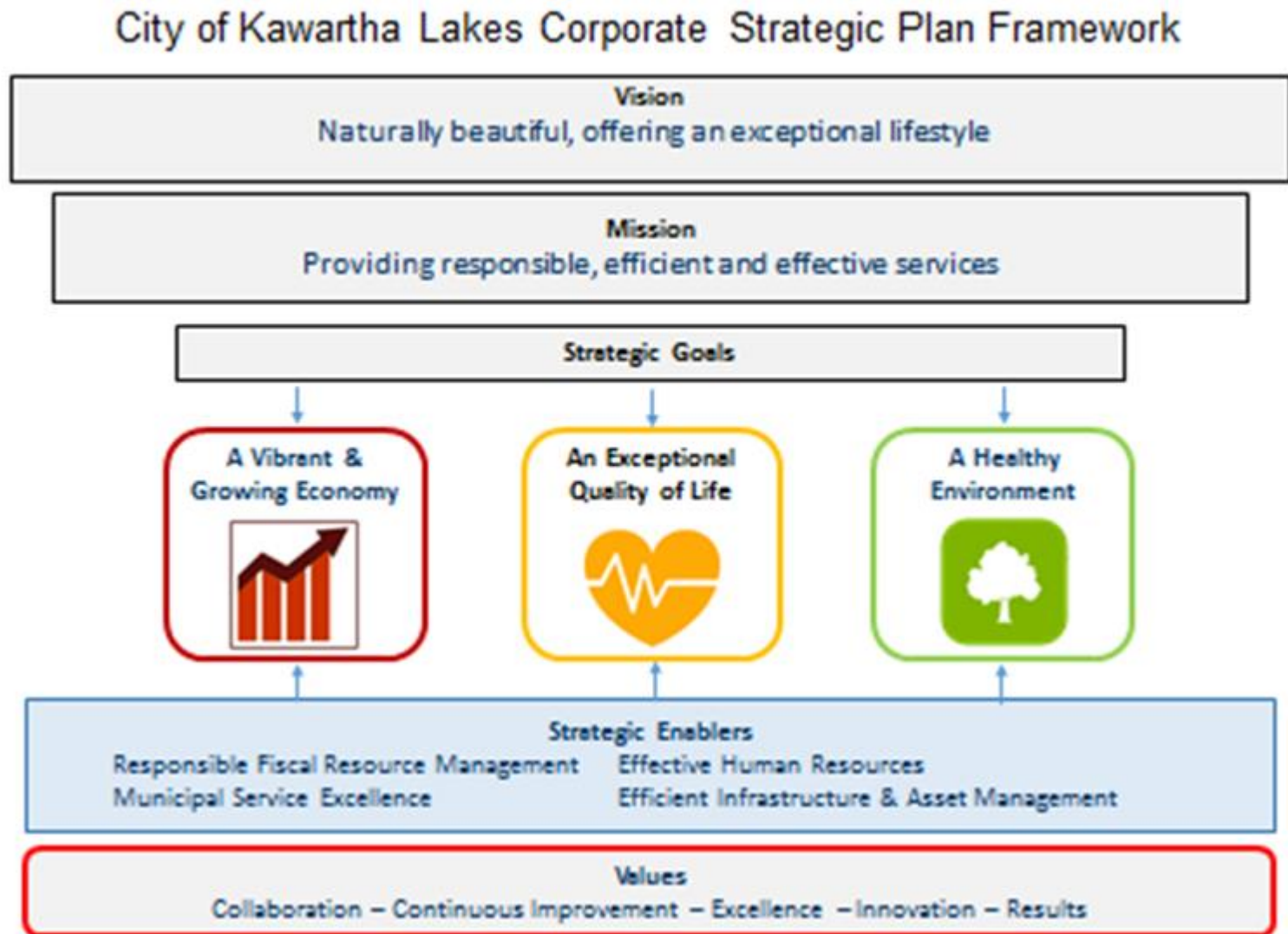


# Kawartha Lakes Healthy Environment Plan

Council Presentation – June 19, 2018



# City of Kawartha Lakes Corporate Strategic Plan Framework



# What We Will Talk About Today

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**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

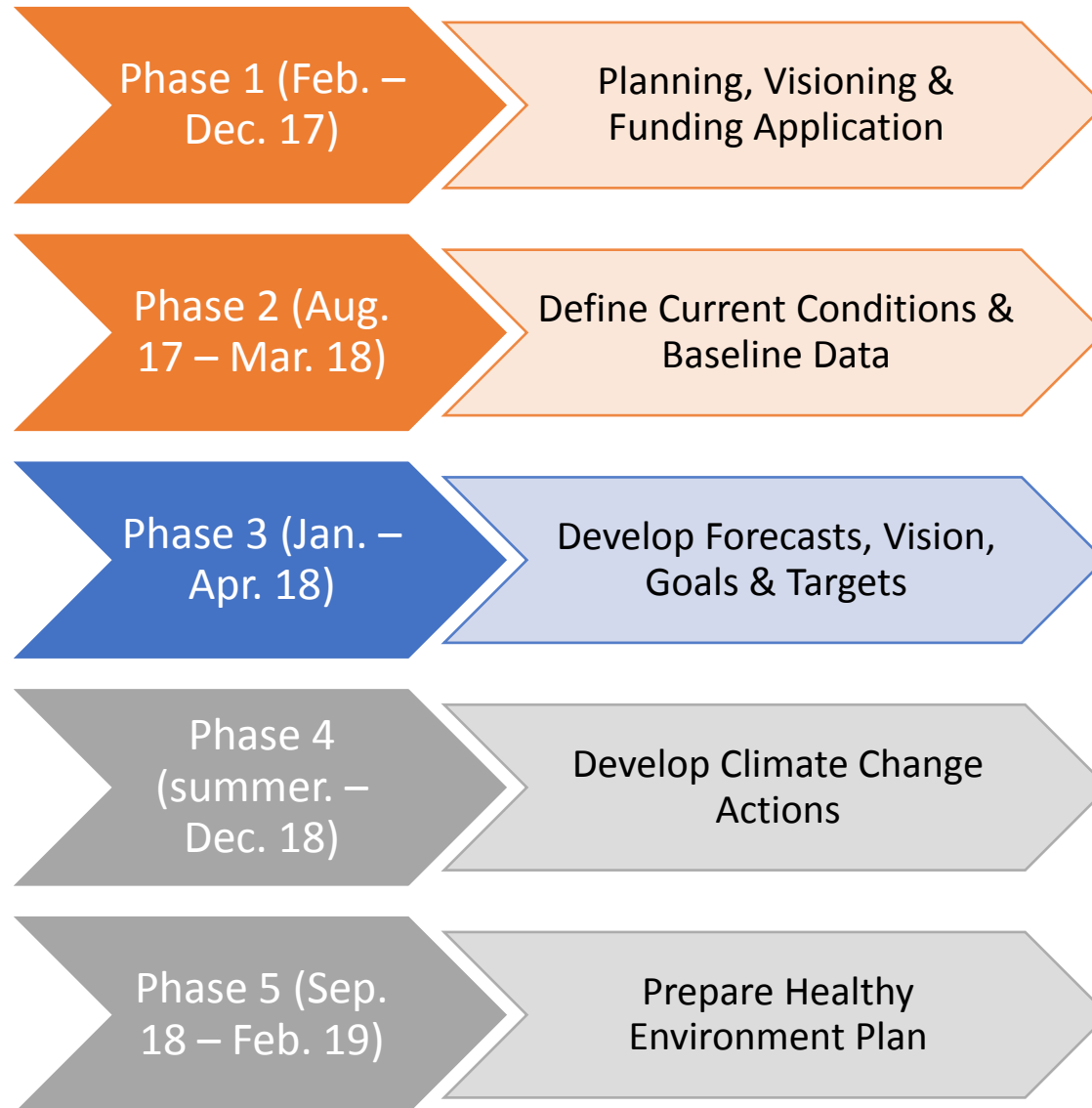
(May – November, 2018)

## **Designing**

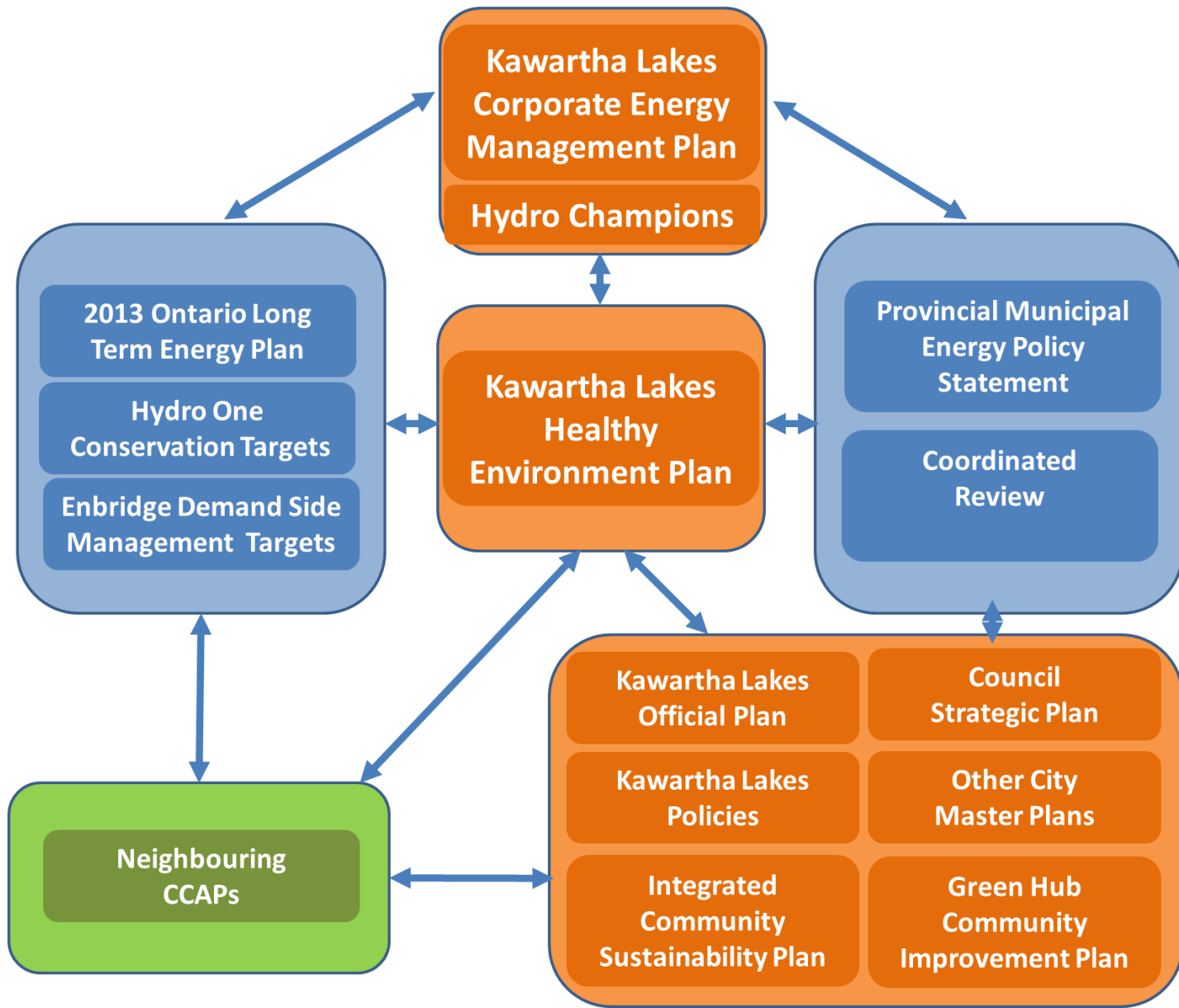
Draft Healthy  
Environment Plan and  
Implementation

(January 2019)

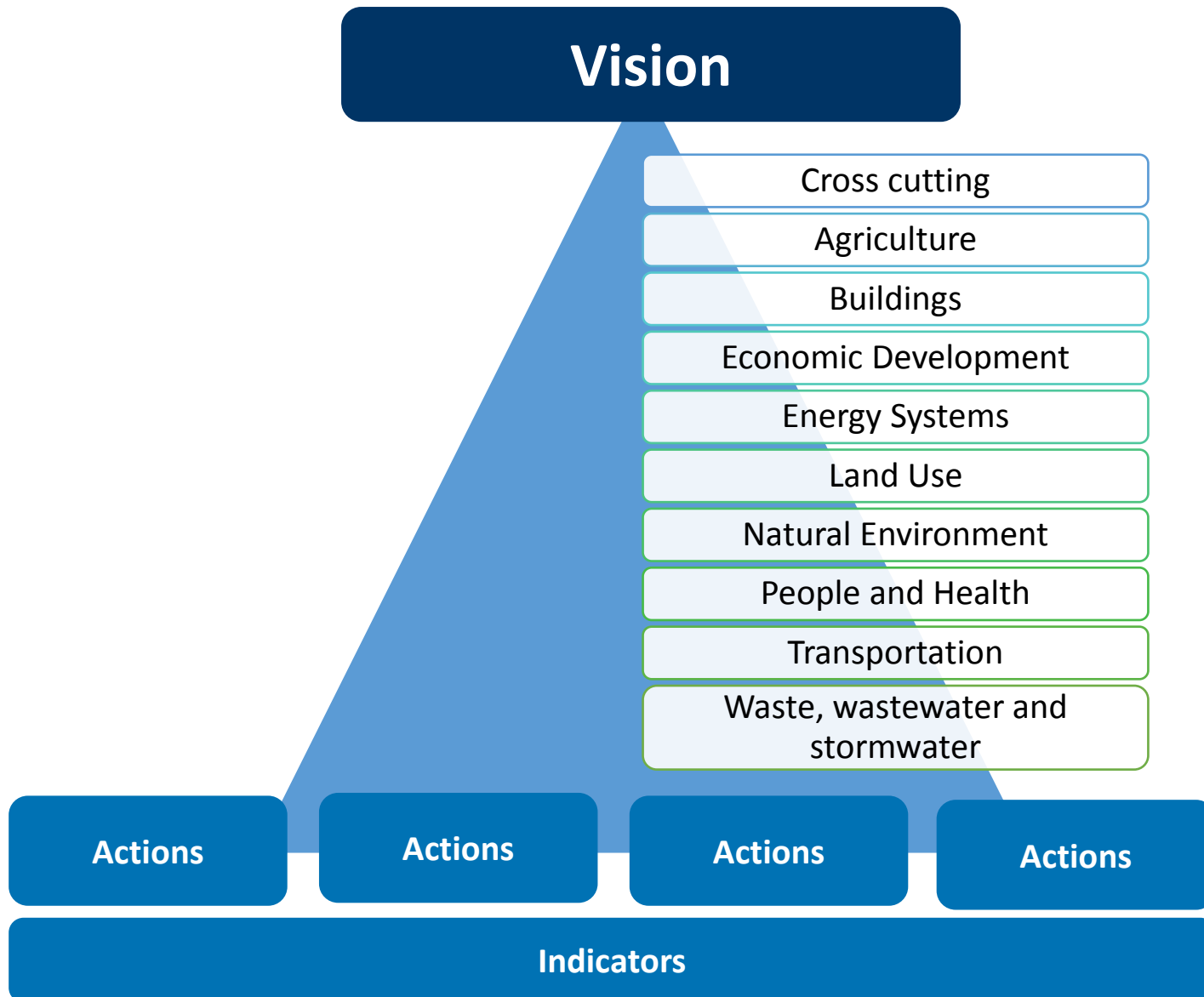
# How is the Plan being Developed?



# Alignment with other Policies (local and provincial)



# Healthy Environment Plan Framework

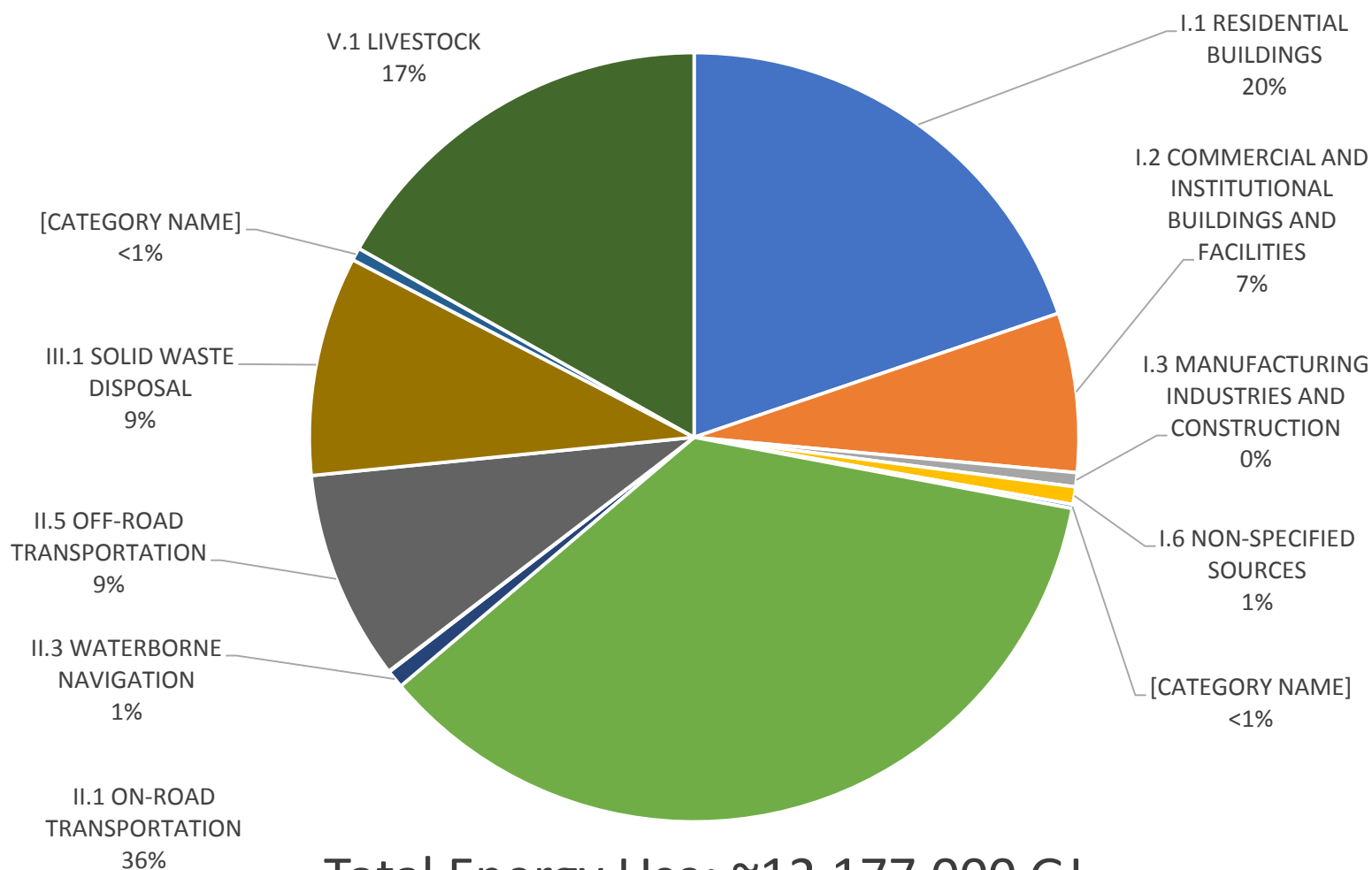




# Baseline & Projected Climate Conditions



# Draft Baseline Greenhouse Gas Emissions (2015)

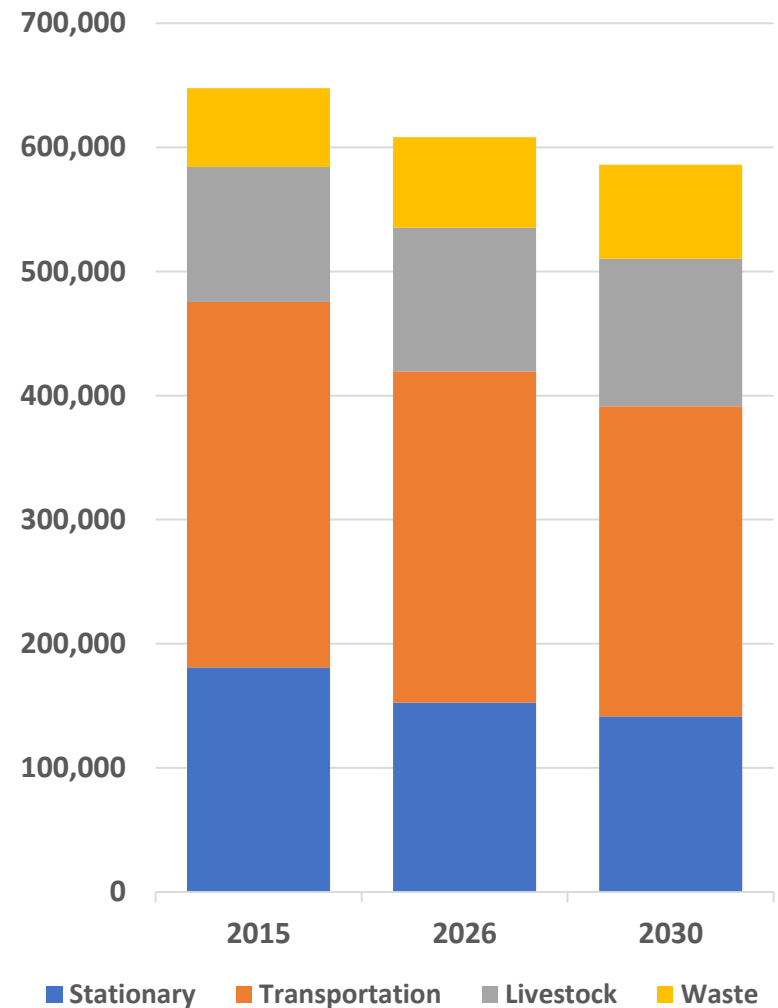
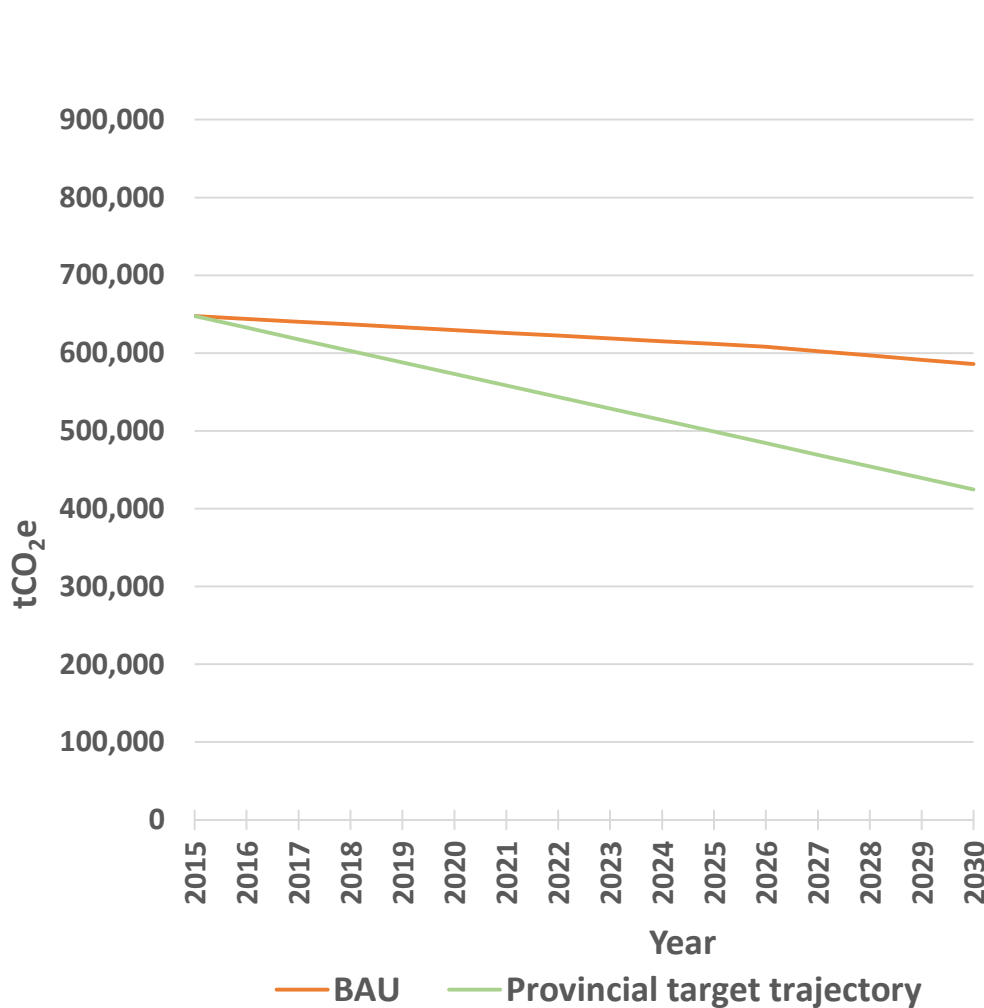


Total Energy Use: ~12,177,000 GJ

Total Emissions: ~650,000 tCO<sub>2</sub>e

Emissions per Capita ~7.8

# Draft Business-as-Usual Emission Projections



**Projected Emissions: 586,000 tCO<sub>2</sub>e in 2030 – Reduction of 10%**

# Provincial Targets

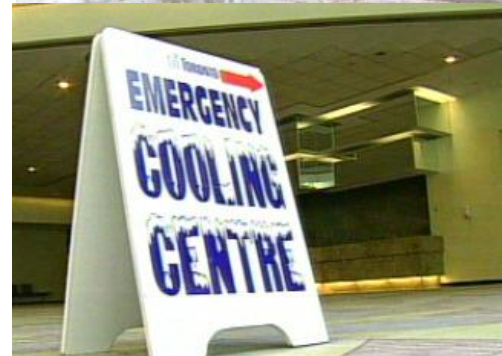
	Ontario population (millions)	Actual or Targeted GHG Emissions (Megatonnes CO <sub>2</sub> e)	Average per capita emissions (tonnes CO <sub>2</sub> e)
1990	10.30	182	17.7
2013	13.56	171	12.6
2021	14.98	146	9.7
2031	16.66	115	6.9
2050 est	19.75	36	1.8

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

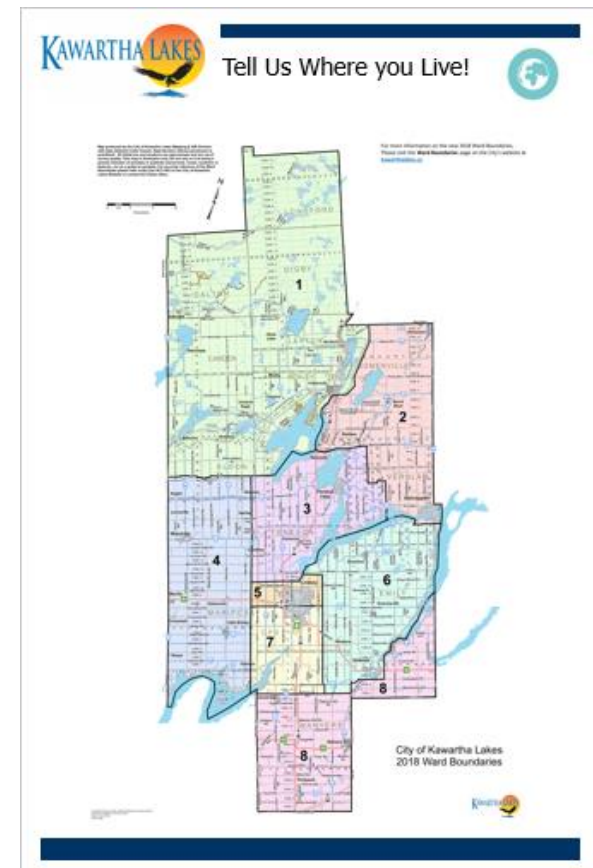
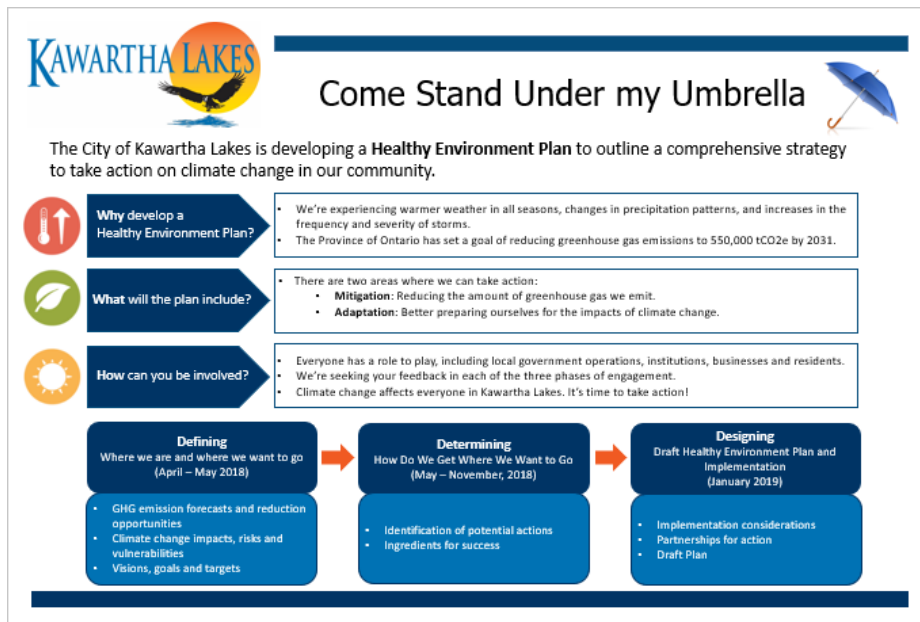


# Community and Stakeholder Engagement



# Climate Action Conversations

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





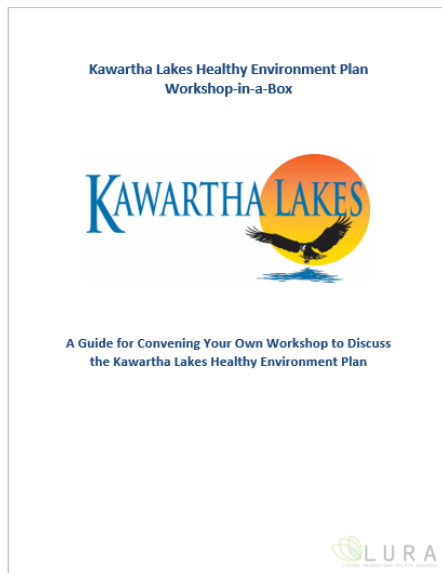
# Climate and You





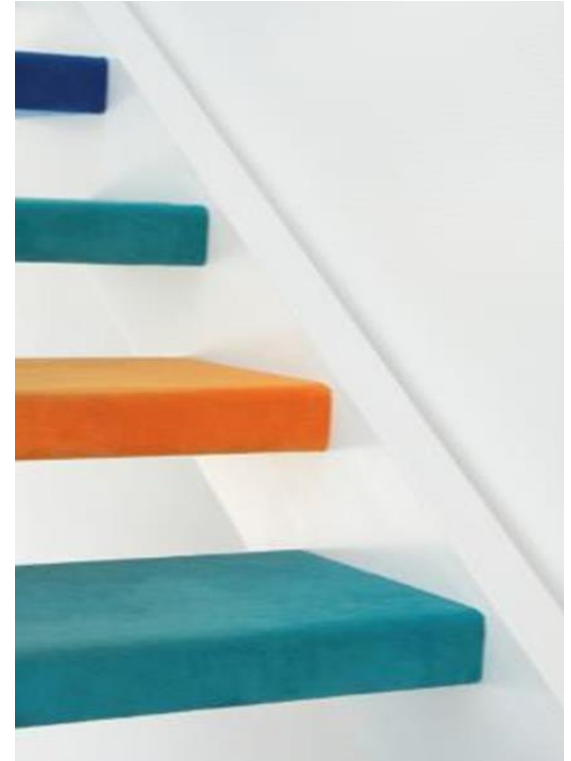
# Workshop-in-a-Box

- 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

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# Thank You!

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shall@lura.ca



# Established Programs and Processes



Milestone 1: Create a GHG emissions inventory and forecast



Milestone 2: Set GHG emission reductions targets



Milestone 3: Develop a Local Action Plan



Milestone 4: Implement the Local Action Plan



Milestone 5: Monitor progress and report results

Figure 1: Partners for Climate Protection Milestone Framework





# Established Programs and Processes

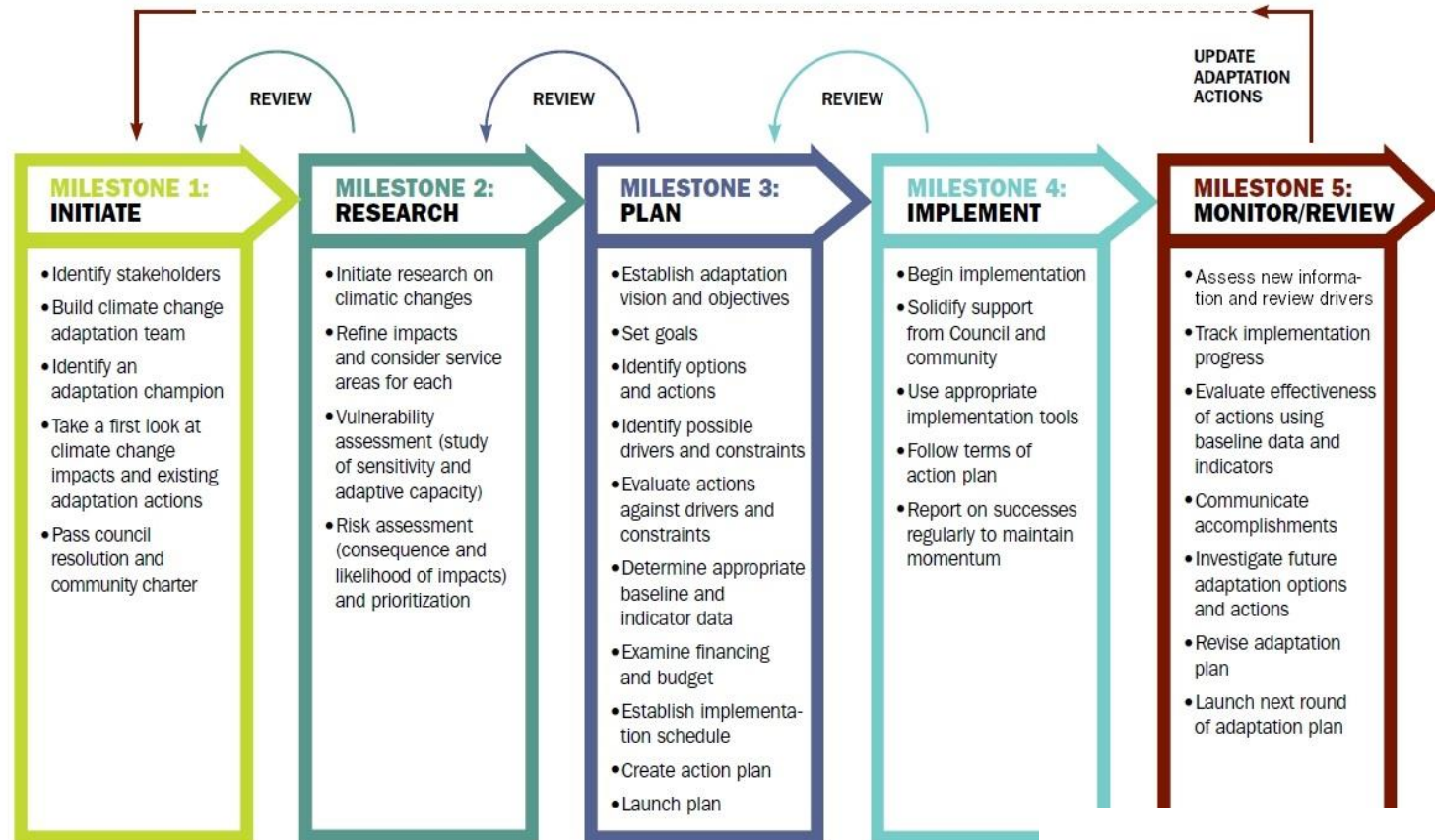


Figure 2: ICLEI Canada's Five-Milestone Adaptation Methodology - "Building Adaptive and Resilient Communities" (BARC)

