

Kawartha Lakes Healthy Environment Plan

Committee of the Whole

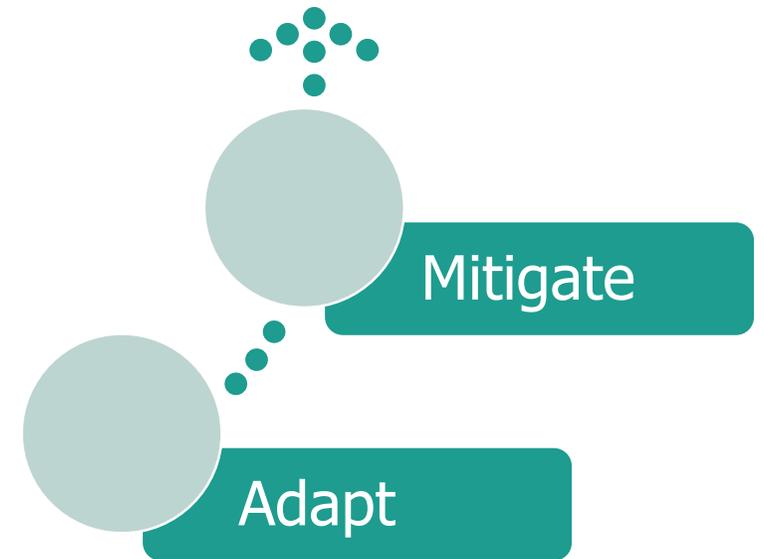
November 2, 2021

Presentation Overview

- What is the Healthy Environment Plan?
 - Development of Plan
 - Pillars, Strategies, Targets
- Impact of Pandemic
- Accomplishments
- Next steps: Implementation of actions

KL Healthy Environment Plan

- City's response to **Climate Change** and **Energy Spending**
- HEP result of ICSP (2014), Strategic Plan (2016) and Corporate Energy Management Plan (2016-2021)
- Comprehensive community strategy to address climate change in our community
- Developed collaboratively, using established frameworks
- Reduces GHG emissions and assists the City to prepare, respond and adapt



KL Healthy Environment Plan: Vision

“We will be leaders in addressing our changing climate to ensure a healthy environment and a prosperous community.”



KL Strategic Plan

- **Vision:** Thriving and growing communities within a healthy and natural environment
- **Strategic Priorities:**



A Healthy Environment



An Exceptional Quality of Life



A Vibrant and Growing Economy



Good Government

KL Strategic Plan: A Healthy Environment

- Increase waste reduction and diversion
- **Implement the Healthy Environment Plan**
- Protect and enhance water quality
- Develop and execute a Green City Charter, our corporate commitment to leadership in environmentally friendly business practices
- Protect and preserve natural areas and prime agricultural land

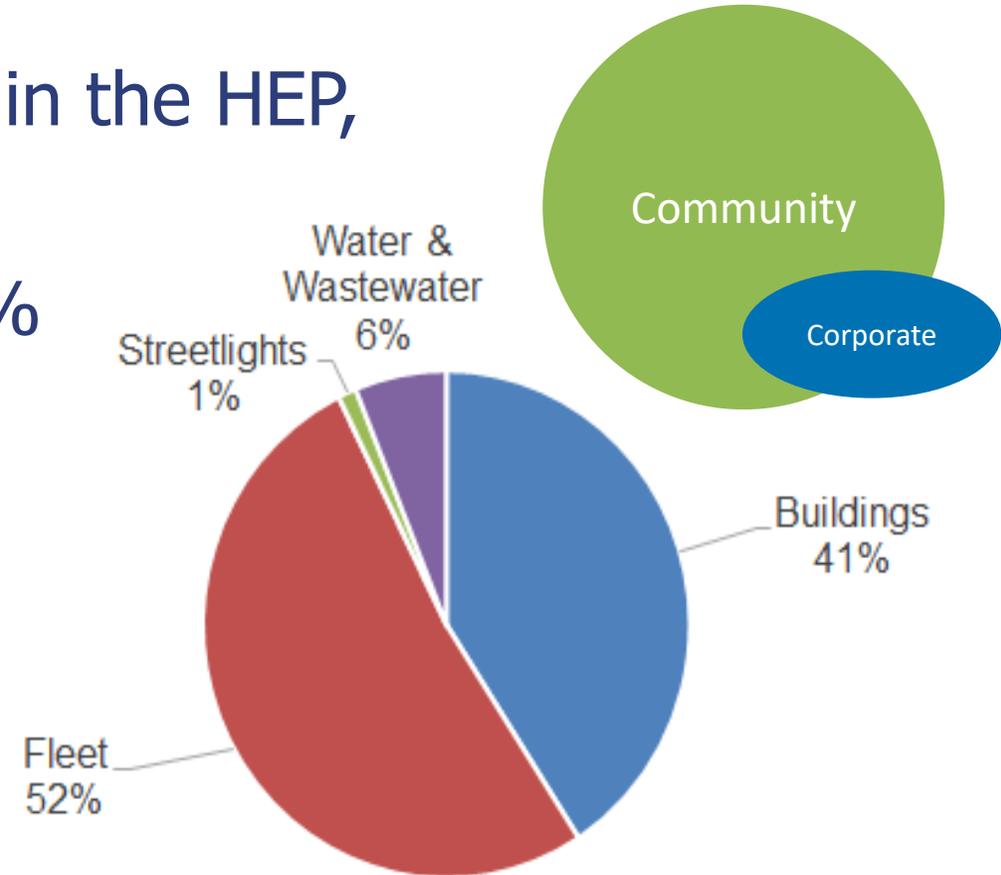


**A Healthy
Environment**

Emissions Reduction Targets & Outcomes

Through the implementation of actions in the HEP, Kawartha Lakes will:

- Reduce community emissions by 20%
- Reduce corporate emissions by 20%
- Avoid \$142 million in energy costs
- Increase resiliency
- Be on track to meet the federal and provincial government targets by 2030



Resiliency Outcomes

- Flooding impacts to infrastructure
- Heat stress on people, native species, crops and livestock
- Groundwater recharge
- Damage to infrastructure, power systems, tree canopy
- Isolation of rural and vulnerable populations
- Physical injuries and mental health stress
- Spread of pests
- Runoff that impacts rivers and lakes



24 Strategies

Cross-Cutting

Agriculture

Buildings

Energy Systems

Land Use

Natural Environment

People and Health

Transportation

Waste

Water, Wastewater
and Stormwater

Summary of Mitigation Strategies

Community Sector	Total tCO ₂ e	Est. Total Savings (\$)	Corporate Sector	Total tCO ₂ e	Est. Total Savings (\$)
Agriculture	12,520	N/A			
New Residential & Commercial Buildings	8,640	33M	New Municipal Buildings	120	0.4M
Existing Residential Buildings	21,320	70M	Existing Municipal Buildings	360	1.3M
Existing Commercial Buildings	5,170	27M			
Industry	320	0.8M			
Trans: Alternative Fuel Adoption	10,640	5M	Transportation	310	0.14M
Trans: Mode Shift	8,500	6M			
Waste Reduction	20,110	N/A			
			Water, Wastewater, Stormwater	90	0.76M
Total	87,220	141.8M		880	2.6M

Implementation



KL Strategic Plan: Progress Indicators

- Waste diversion rate
- Energy consumption for municipal operations
- Greenhouse gas emissions
- Progress reports on municipal drinking water systems
- Compliance with the municipal Salt Management Plan
- **Progress on program milestones in the Healthy Environment Plan**



**A Healthy
Environment**

Actions in Progress: Community

- Environmental Advisory Committee **KLEAC**
- Environmental Round Table Summit
- Environmental Hero Program
- Environmental Action Bobcaygeon
- Bee City Status
- KL Trails Alliance

Actions in Progress: Corporate

- Green City Charter
- Green City Procurement Policy
- **Initiatives to reduce GHG**
 - Waste Diversion strategies
 - Building Retrofit Program, Million Dollar Makeover
 - Fleet / Transit, Transportation Demand Management
 - Stormwater Management strategies
 - Active Transportation Master Plan, Lake Management Plan, Tree Preservation By-law
- **Initiatives to adapt**
 - Emergency Planning and flood preparation
 - Cooling stations
 - Farming practices and forest management
 - Construction and infrastructure



www.kawarthalakes.ca/en/living-here/environment.aspx