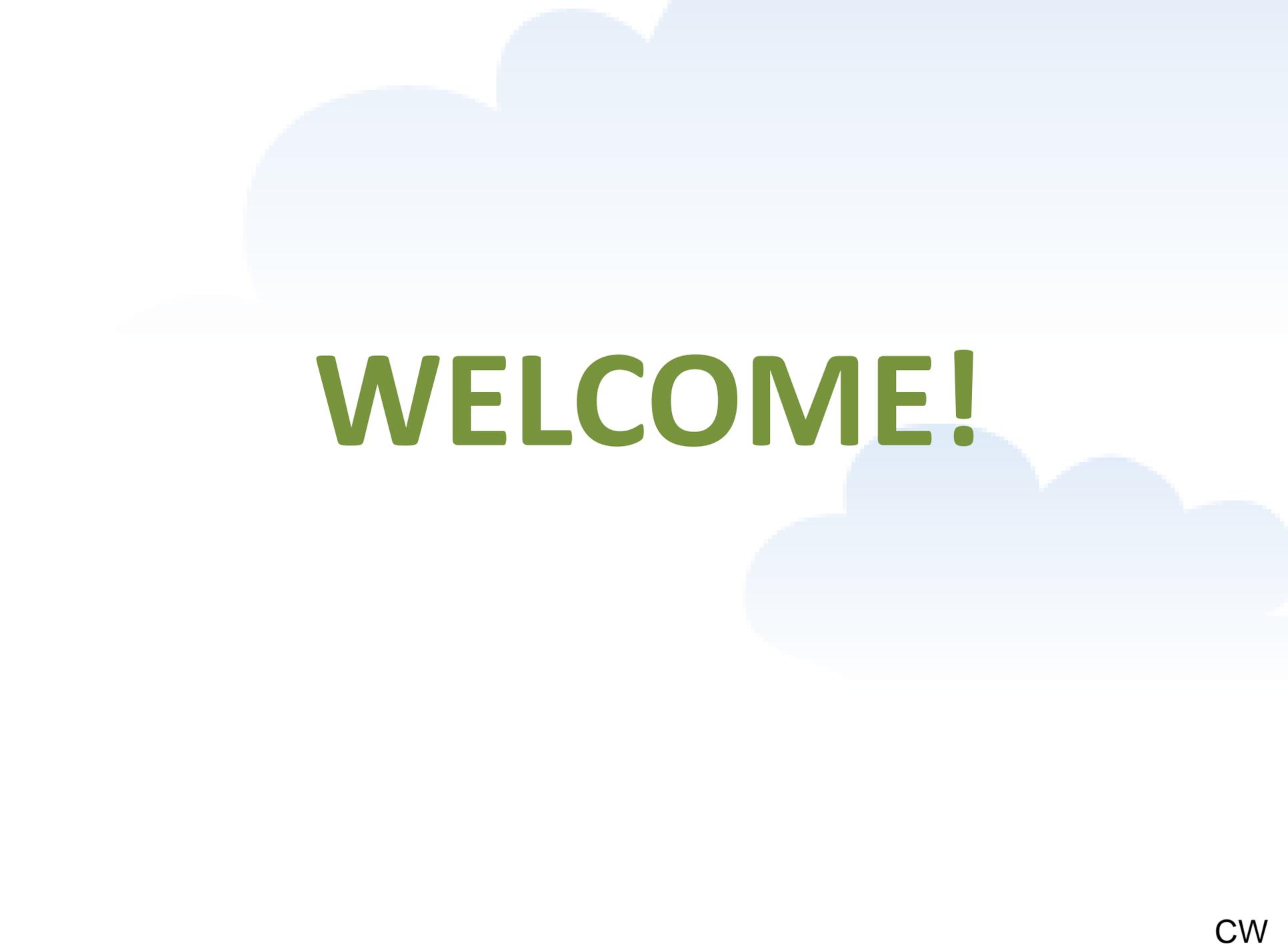


City of Vaughan | Greenhouse Gas Emission Community Action Plan

Steering Committee Meeting #1

September 25, 2013



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WELCOME!

Meeting Purpose

- Understanding of project objectives and anticipated outcomes;
- Review of existing GHG emission inventory data;
- Identification strengths, weaknesses, opportunities and threats for climate change planning in Vaughan, and;
- Generation of ideas to engage community members and stakeholder in the planning process.

Meeting Agenda

Introduction

Background on Greenhouse Gas Emissions and
Community Action Planning

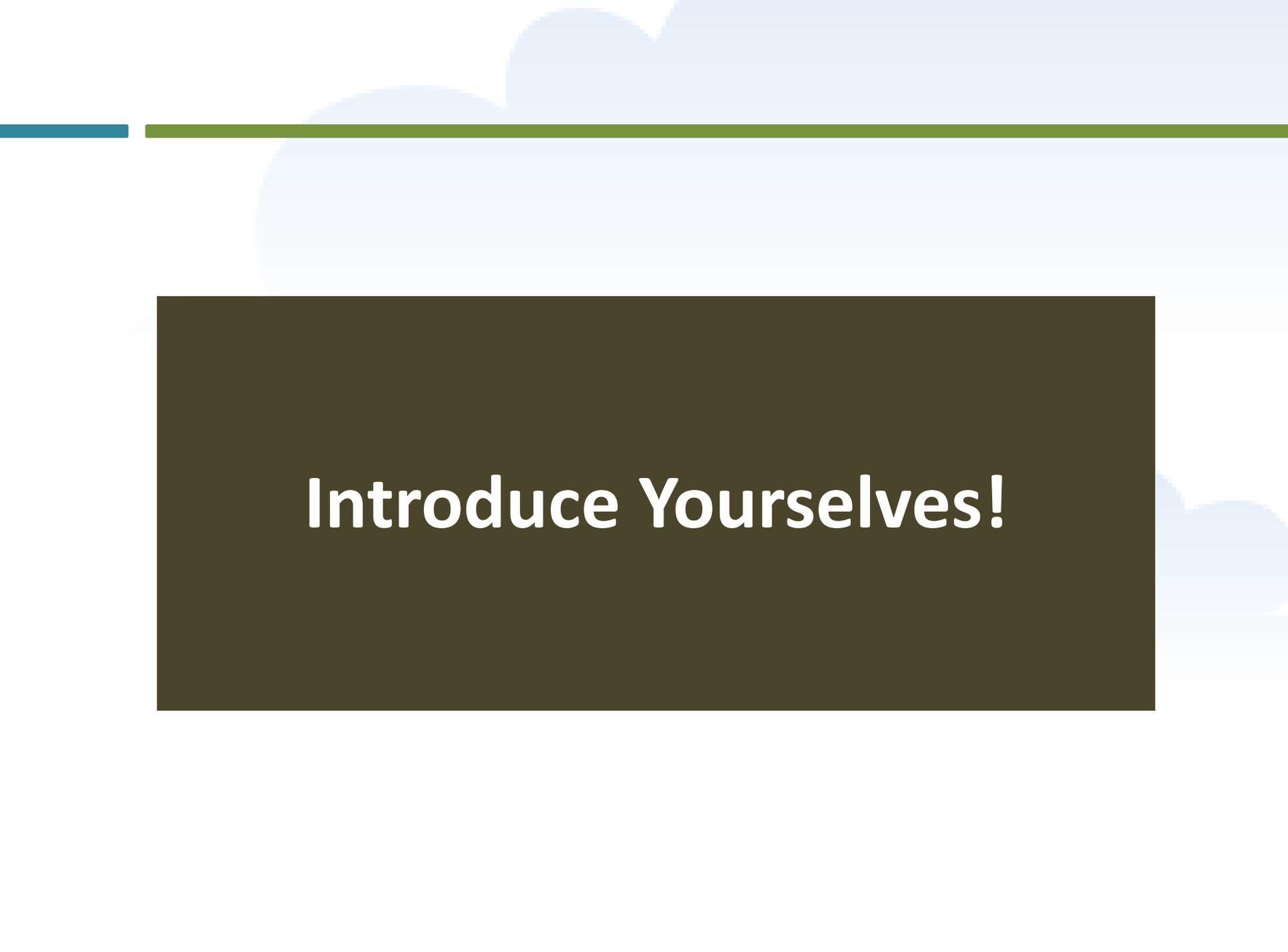
Project Overview and Objectives

Your Role

Understanding Where We Are Now

Engaging the Vaughan Community

Wrap Up



Introduce Yourself!

The background features two stylized, light blue cloud shapes. One cloud is positioned in the upper left quadrant, and the other is in the lower right quadrant. The word "BACKGROUND" is centered in a bold, green, sans-serif font.

BACKGROUND

Green Directions Vaughan – Community Sustainability and Environmental Master Plan

What We use		Goal 1: To significantly reduce our use of natural resources and the amount of waste we generate
How & Where We Grow		Goal 2: To ensure sustainable development and redevelopment
How We get around		Goal 3: To ensure that Vaughan is a city that is easy to get around with a low environmental impact
How We live		Goal 4: To create a vibrant community where citizens, business and visitors thrive
How We lead		Goal 5: To be leaders in advocacy and education on sustainability issues
How We operate		Goal 6: To ensure a supportive system for the implementation of the Community Sustainability and Environmental Master Plan

Vaughan's Climate Change Commitment



Reduce greenhouse gas emissions through actions such as working with the community to develop a local action plan

(Goal 1, Objective 1.2)

What has the City already done?

- Green building commitment- LEED Gold , Fire Hall 7-9 (2007), Fire Hall 7-10 (2013) Vaughan City Hall (exp 2013)
- Community conservation/engagement-Earth Hour
- Operational changes
 - Hanging baskets changeover to reservoir baskets(2013)
 - LED street lighting retrofit – 1400 streetlights (2010)

Why Climate Action at the Local Level?

GHG emissions are a by-product of the activities we undertake in our day-to-day lives

- Vast majority of these emissions are energy-related:
 - Electricity used to power appliances, equipment and lighting
 - Natural gas used to heat our homes and offices
 - Gasoline and diesel used in automobiles
- GHGs are also linked to:
 - Waste management practices (e.g. solid waste sent to landfills)
 - Land-use decisions
 - Agricultural activities

These types of activities are influenced, to a large extent, by decisions made at the local level

Why Climate Action at the Local Level?

The window for avoiding serious climate change impacts—rising sea levels, heat waves, droughts, floods and storms, and widespread loss of plant and animal species—is **shrinking**

- We are dangerously close to the 2°C threshold that many scientists and organizations have identified as the ‘safe’ upper limit for global warming
- In order to stay below this limit, global emissions must peak and decline within the next 10 years
- For developed countries like Canada, the recommendation from scientists is to reduce GHG emissions by **25-40 percent below 1990 levels by 2020**

Achieving these ambitious targets will require concerted efforts from all levels of government

Partners for Climate Protection (PCP)

The PCP program is a network of Canadian municipalities that have committed to reducing GHG emissions and acting on climate change.

It provides participating municipalities with a performance-based model structured around five program milestones:

1. Establish a GHG inventory and forecast
2. **Set emission reduction targets**
3. **Develop a local action plan**
4. Implement the local action plan
5. Monitor progress and report results



Partners for Climate Protection (PCP)

Two components of local action planning

- Corporate Local Action Plan
- Community Local Action Plan



Benefits of participating in the Partners for Climate Protection Program:

- Improving energy tracking and management
- Identifying where environmental impact is originating
- Highlighting areas of reduction that will have the largest impact with the least effort
- Mobilizing action

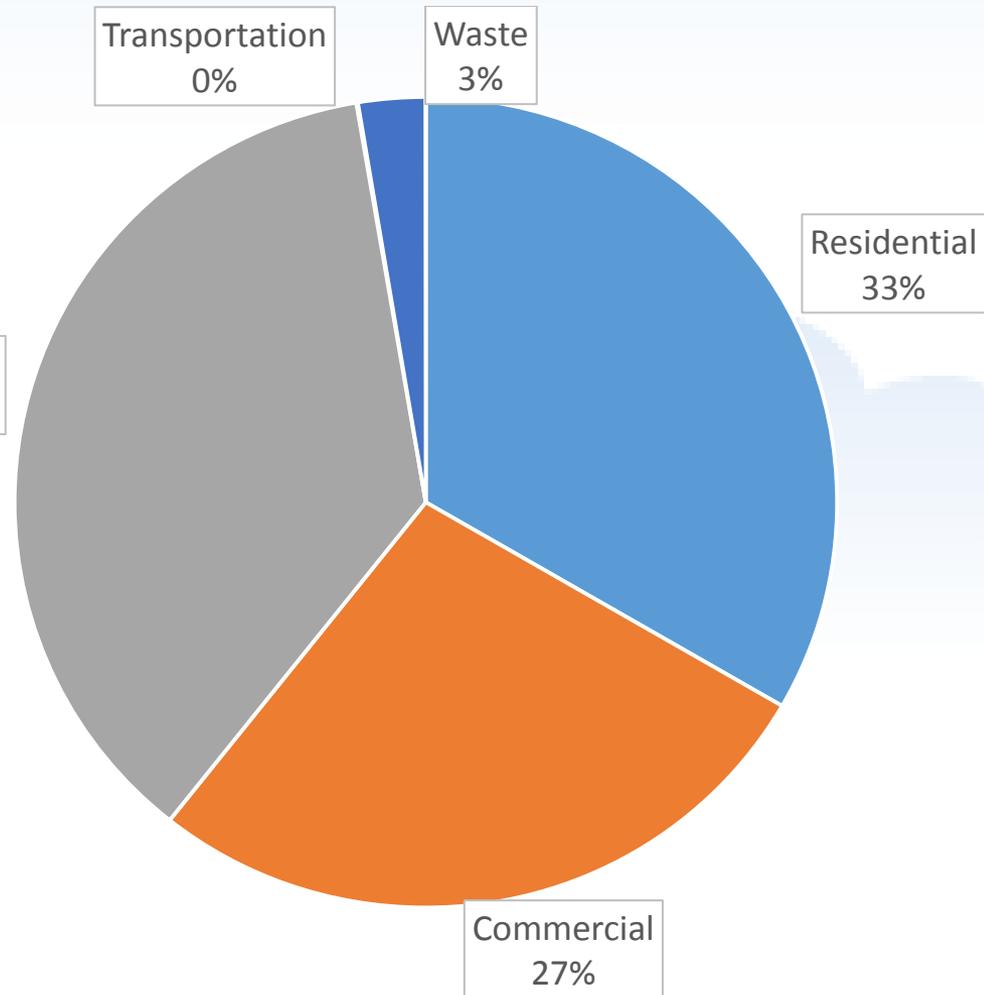
Planning for Community GHG Emissions

In a fast-growing municipality like Vaughan, reducing community GHG emissions will involve:

- Tackling **existing** emissions from stationary and mobile sources (buildings, vehicles, etc.); while
- Offsetting emissions from **new developments** (residential dwellings, commercial/institutional facilities, transportation, etc.)

Current Emission Levels

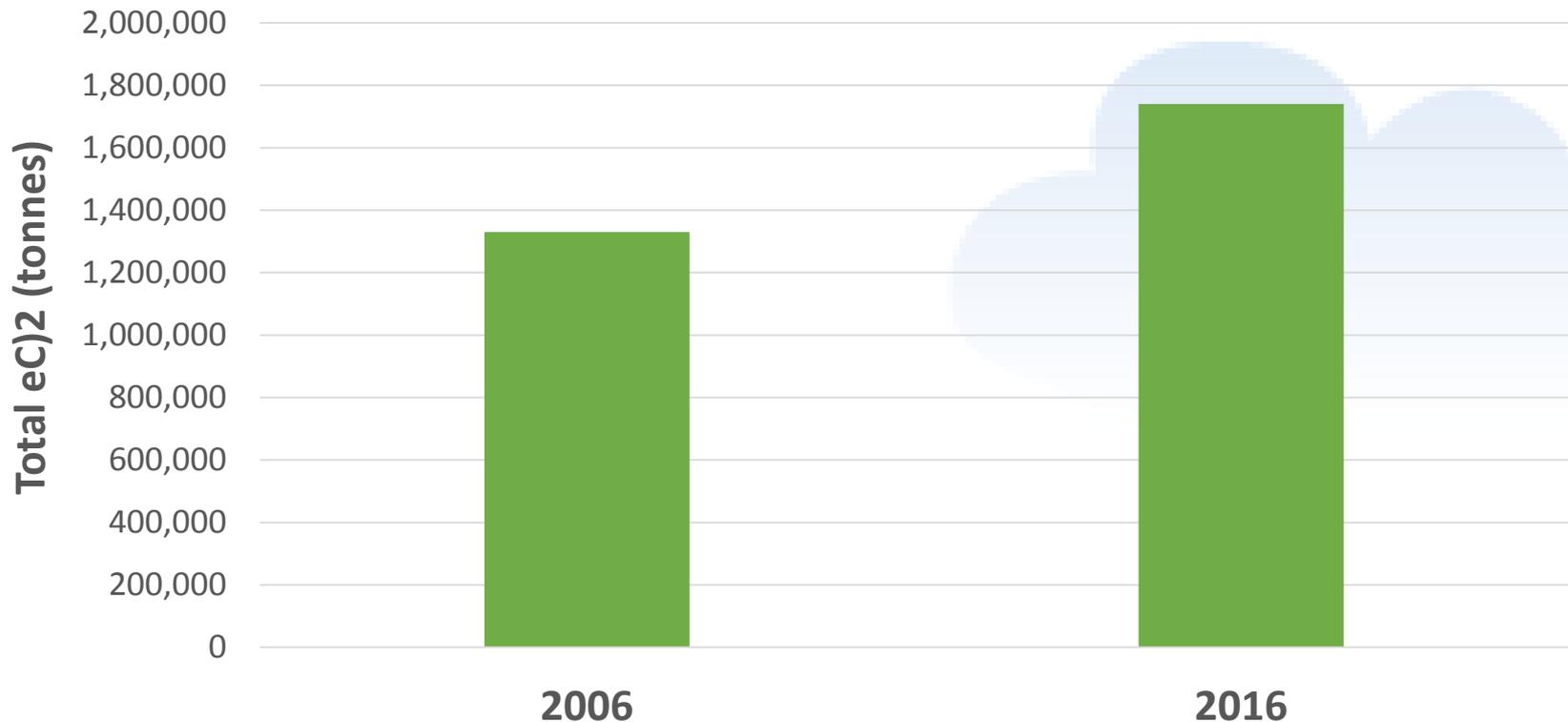
Vaughan Community GHG Emissions by Sector – 2006 Baseline



Sector	GHGs (t)
Residential	443,832
Commercial	363,502
Industrial	487,047
Transportation	913
Waste	35,066
Total	1,330,360

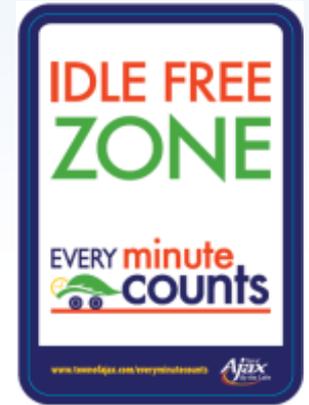
Forecasted Emission Levels

- Population from 2006 to 2016 expected to increase by 31% from 249,345 to 326,082
- Equates to an additional 312,634 tonnes of eCO₂



Addressing Current Emission Levels

- Energy efficient vehicles
- Anti-idling
- Energy Conservation Demand Management
- District energy
- Urban Forest Management
- Green building practices
- Business practices
- Renewable energy
- Household efficiency and retrofits
- Time-of-use billing
- Complete streets
- Transportation Demand Management
- Enhanced waste diversion





PROJECT OVERVIEW



Community Action Plan

- Comprehensive
- Forward thinking
- Collaborative
- Stakeholder driven
- Integrated with existing plans and initiatives
- Developed using best practices



Developing the Plan

Vaughan GHG Emission Community Action Plan

PHASE 1: PROJECT WORK PLANNING

- CE & C Strategy
- Steering Committee
- Toolkit

PHASE 2: CURRENT CONDITIONS & TARGETS

- Current Conditions
- SWOT Analysis

PHASE 3: VISION & GOALS

- Long list of Actions
- Community Forum #1
- Draft Targets
- Draft Vision, Goals & Targets
- Priority Actions

PHASE 4: RECOMMENDATIONS FOR IMPLEMENTATION

- Develop Recommendations for Implementation

PHASE 5: PREPARE DRAFT & FINAL CAP

- Preliminary Plan
- Consultation on Draft Plan
- Refine Draft Plan
- Final Plan
- Presentation to Committee of the Whole

Social Media and Communications Outreach

Steering Committee Meetings

Community Consultations





YOUR ROLE

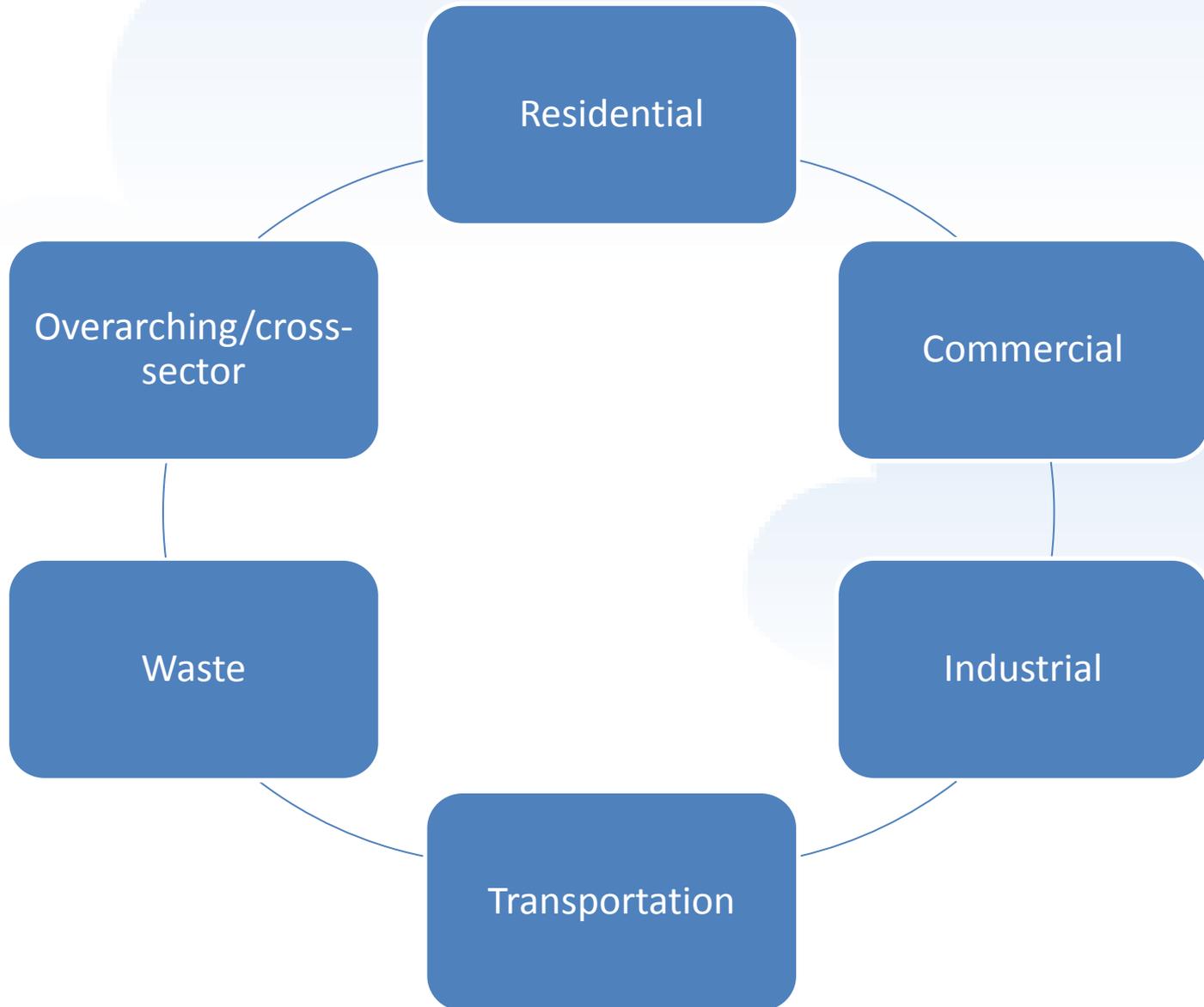
Terms of Reference

- **Purpose of the Terms of Reference**
 - Outlines the role of the Steering Committee
 - Presents guidelines for how the Steering Committee will operate, including how and when meetings will take place
- **Mandate**
 - Forum for advice, feedback and guidance to Project Team
 - Broader community and stakeholder reactions and concerns and how these might be addressed
 - Assist collection of data from their sectors to inform the Plan
 - Deliberate and review input received from the public and stakeholders

Steering Committee

- Acting as a sounding board
- Coming prepared to meetings
- Providing guidance, critiques and suggestions
- Actively participating and sharing knowledge
- Identifying potential issues or concerns
- Participating in two-way communication between members' constituencies and the Project Team
- Attending all the SC meetings whenever possible
- Acting as “ambassadors”

Sectors Represented on Steering Committee



Steering Committee Meetings

Meeting	Date
Meeting #1 – Orientation and Opportunities	September 25, 2013 5 – 7pm
Meeting #2 – Vision and Potential Actions	October 23, 2013 5 – 7pm
Meeting #3 – Goals & Targets, Prioritizing Actions	November 20, 2013 5 – 7pm
Meeting #4 – Draft Plan, Implementation	December 4, 2013 5 – 7pm

Steering Committee Logistics

- Format
 - Four meetings over the length of the project
 - Open discussion and working format
 - Meetings facilitated by Consulting Team
- Suggested that meetings be held:
 - Wednesday nights
 - From 5:00 p.m. to 7:00 p.m.
 - Vaughan City Hall

Are the frequency, timing and location of the meetings appropriate/feasible?

Steering Committee Administration

What is the best way to share information?

How much time do you need to review materials?

Can we go paperless?

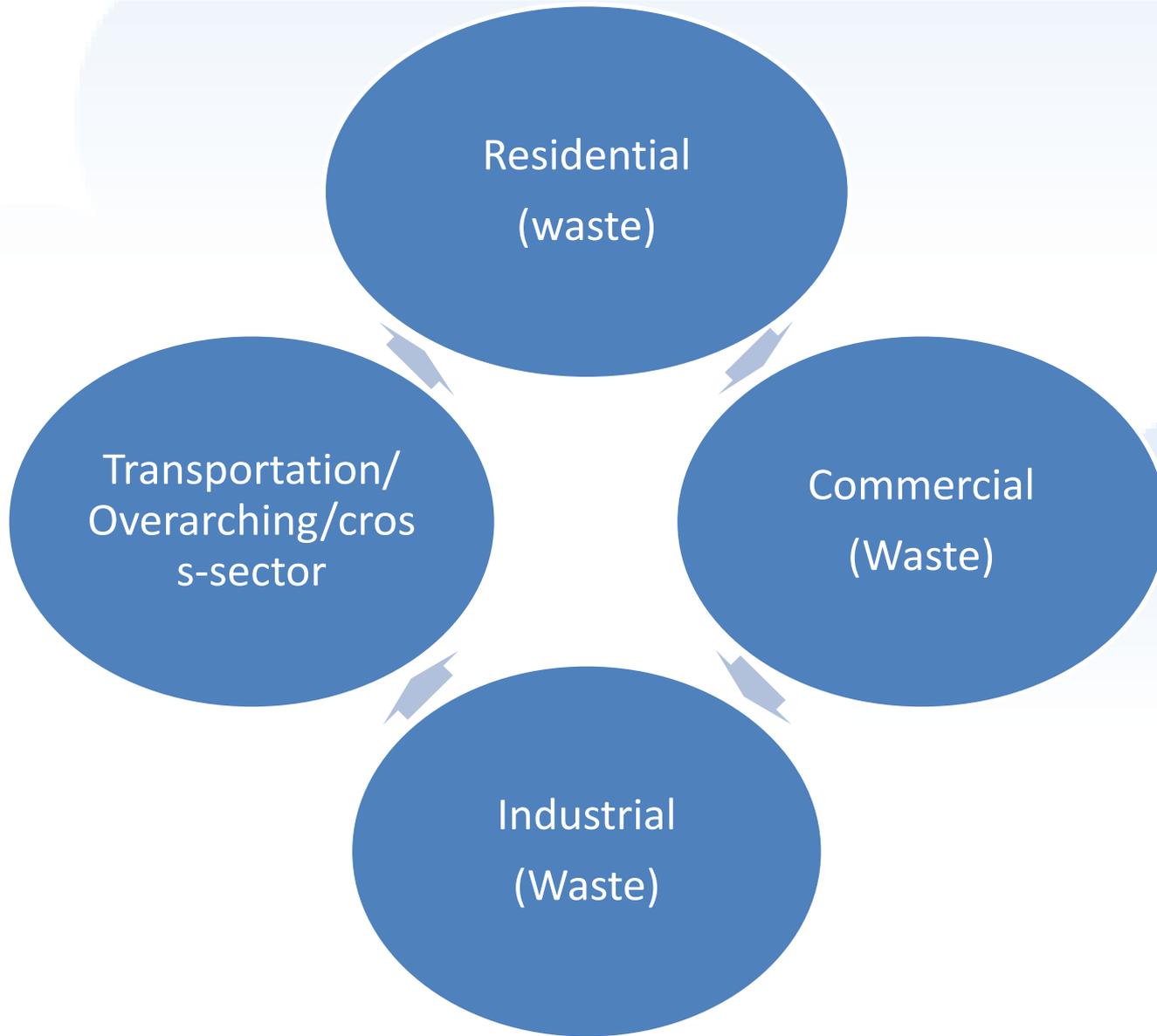
How else can we reduce our environmental impact?



DOWN TO WORK



World Café on Each of the Sectors



Instructions

- Break into one of the four smaller groups
 - Start with the one that you feel you have most to contributed
- Spend 15 minutes at each table and fill in the table worksheets
- After 15 minutes, rotate to the next table
- The table facilitator will brief you on the previous groups conversation
- Add additional input



Key Questions

For each sector, consider...

1. Where are we strong?
(existing programs and initiatives)
2. Where are we weak?
(which areas need to be improved)
3. Where are our opportunities?
(where are the best areas to focus)
4. What threats or barriers could get in the way?

HIGHLIGHTS

(2 – 3 items from each table)



ENGAGING VAUGHAN



Community Engagement

- Steering Committee Meetings
- Ongoing communication
- Online engagement
 - Round 1 – identification of potential actions
 - Round 2 – review of draft plan
- Community forum
 - Input on vision, goals & targets, and potential actions



How can we collectively inform/engage/mobilize the community towards participation and action ?



WRAP UP



Next Steps

- Compile summary of current conditions and opportunities
- Develop long list of potential actions (per sector) for guidance
- Initiate community engagement to identify additional actions
- Next SC meeting
 - October 23rd
 - Work through vision and goals
 - Explore potential actions



Schedule

Vaughan GHG Emission Community Action Plan

PHASE 1: PROJECT WORK PLANNING

- CE & C Strategy
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- Current Conditions
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JULY

AUG.

SEPT.

OCT.

NOV.

DEC.