

Climate Action Plan: Interest Holder Workshop

Nov 6, 2024

Presented by:

Brian Montgomery

Climate Action and Resiliency Advisor



Maple Ridge

Land acknowledgement

The City of Maple Ridge carries out its business on the traditional and unceded territories of the Katzie (q'ícəy) First Nation and the Kwantlen (q'wá:nł'ən) First Nation.

Agenda

9:00 am Welcome & Open

9:15 am Set the Stage

9:30 am Round 1: Actions

10:30 am BREAK

10:45 am Round 2: Prioritize

11:15 am Round 3: Working Together

12:10 pm Close & LUNCH

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Opener
15 minutes



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Set the Stage

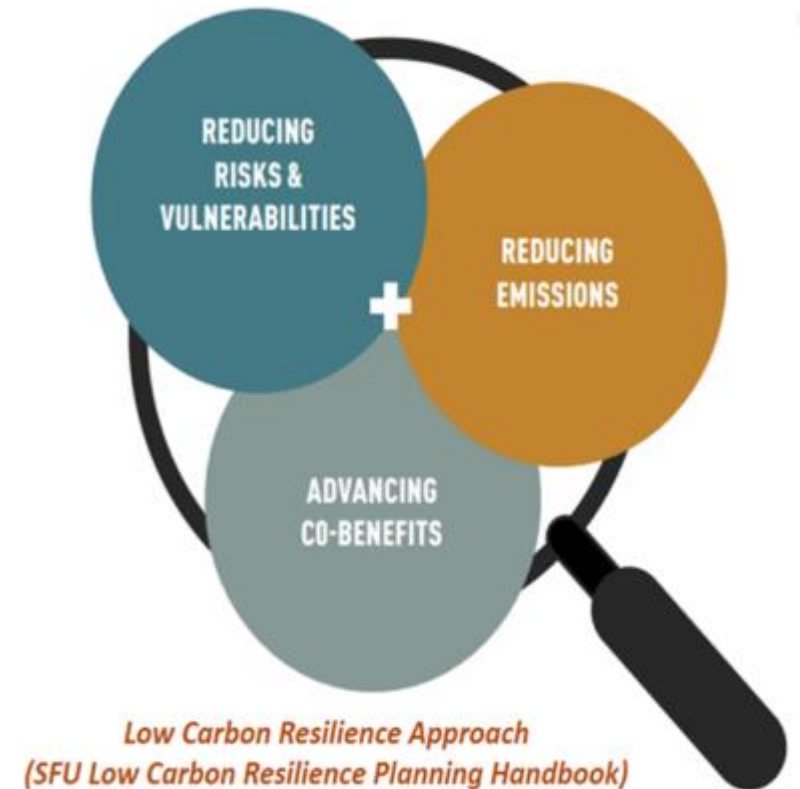
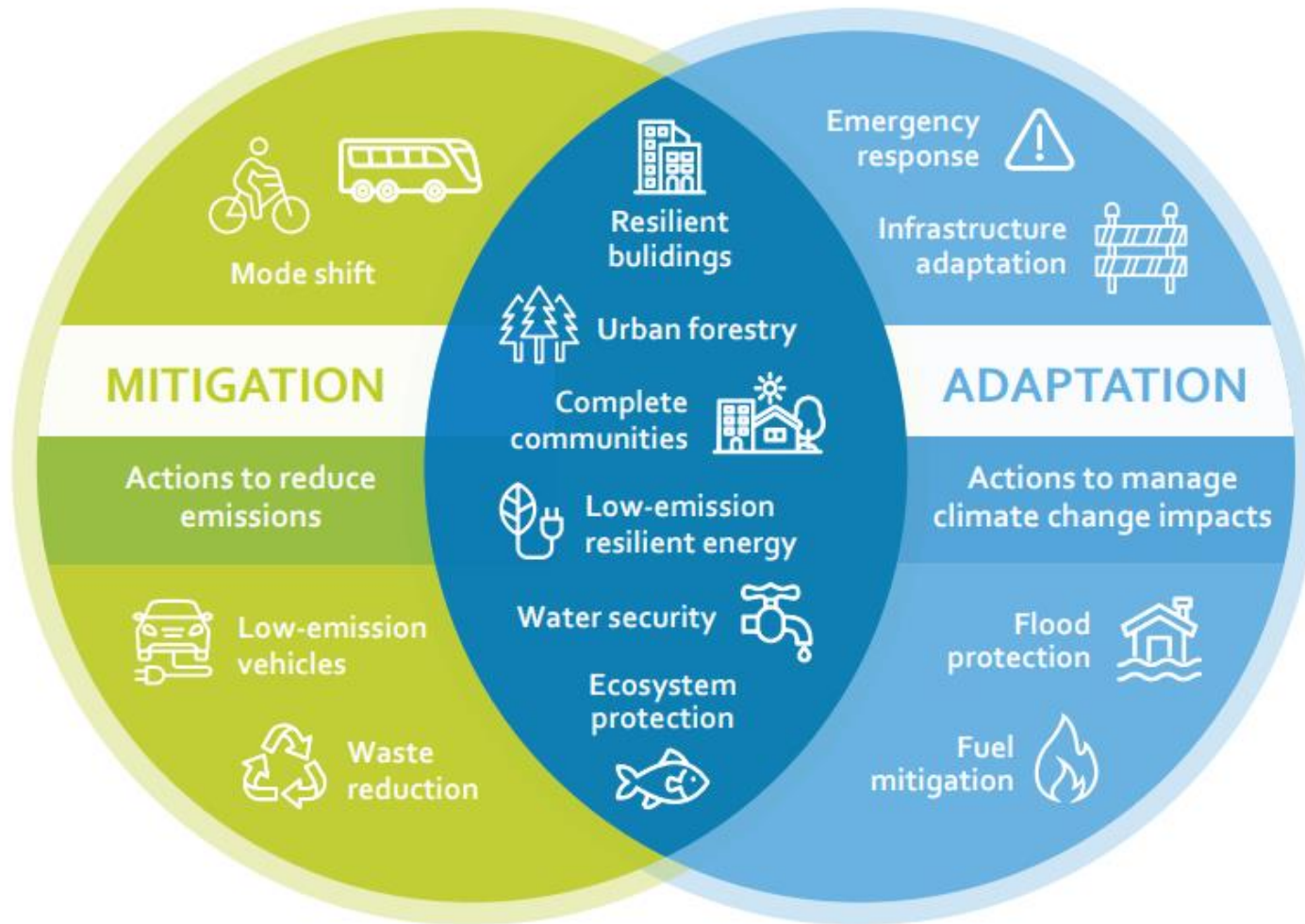
The Maple Ridge Climate Action Plan:

- Inspires action and advances community benefits while
- Addressing the climate challenges that impact residents and business and
- Reducing local emissions.

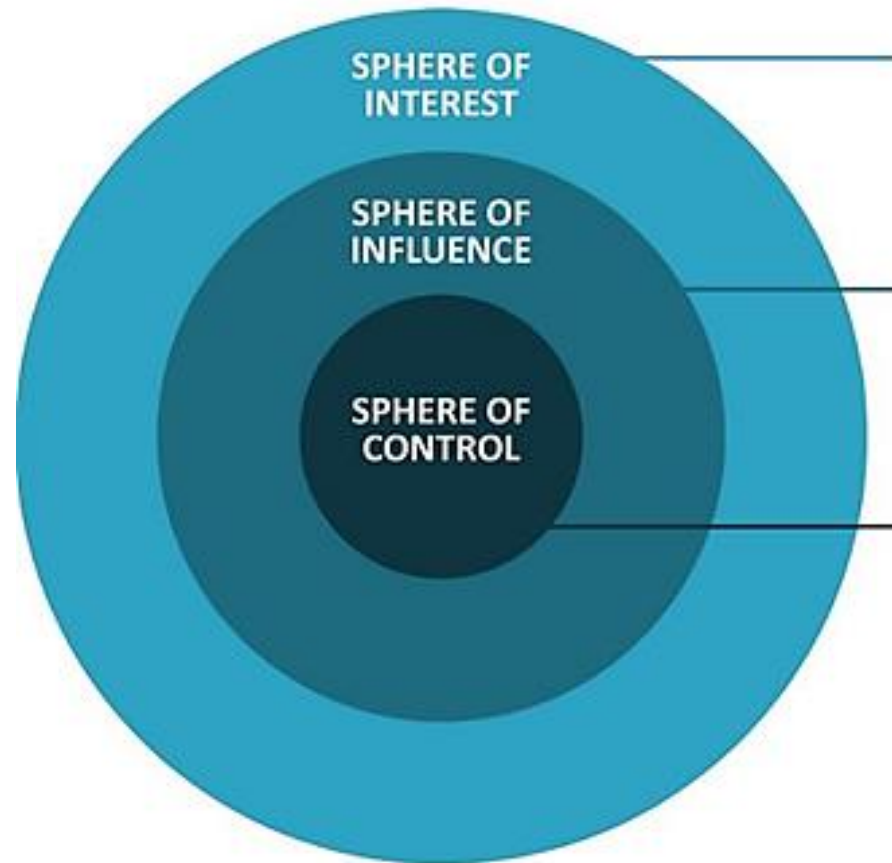
The plan will outline actions that:

- Support the community adapting to climate change (i.e., reducing vulnerability and risk)
- Mitigate the impacts of climate change (i.e., reducing contributions of greenhouse gases)
- Contribute to a liveable community that meets the needs of our diverse residents
- Enhance infrastructure that benefit and strengthens our City today and in the future.

Set the Stage



Set the Stage



INTEREST

Where a municipal government has neither control nor direct influence over components of the urban system, but is interested in and possibly affected by the outcome of decisions made by other actors.

INFLUENCE

Where a municipal government has no decision-making authority, but has access to resources and forums that can be used to influence decision-making by market actors or other levels of government.

CONTROL

Where a municipal government has near-complete or full decision-making authority over components of the urban system or issue in question.

Adaptation

Participating in regional committees & communicating existing programs

Capacity building resources to residents & local businesses

Owned assets & services

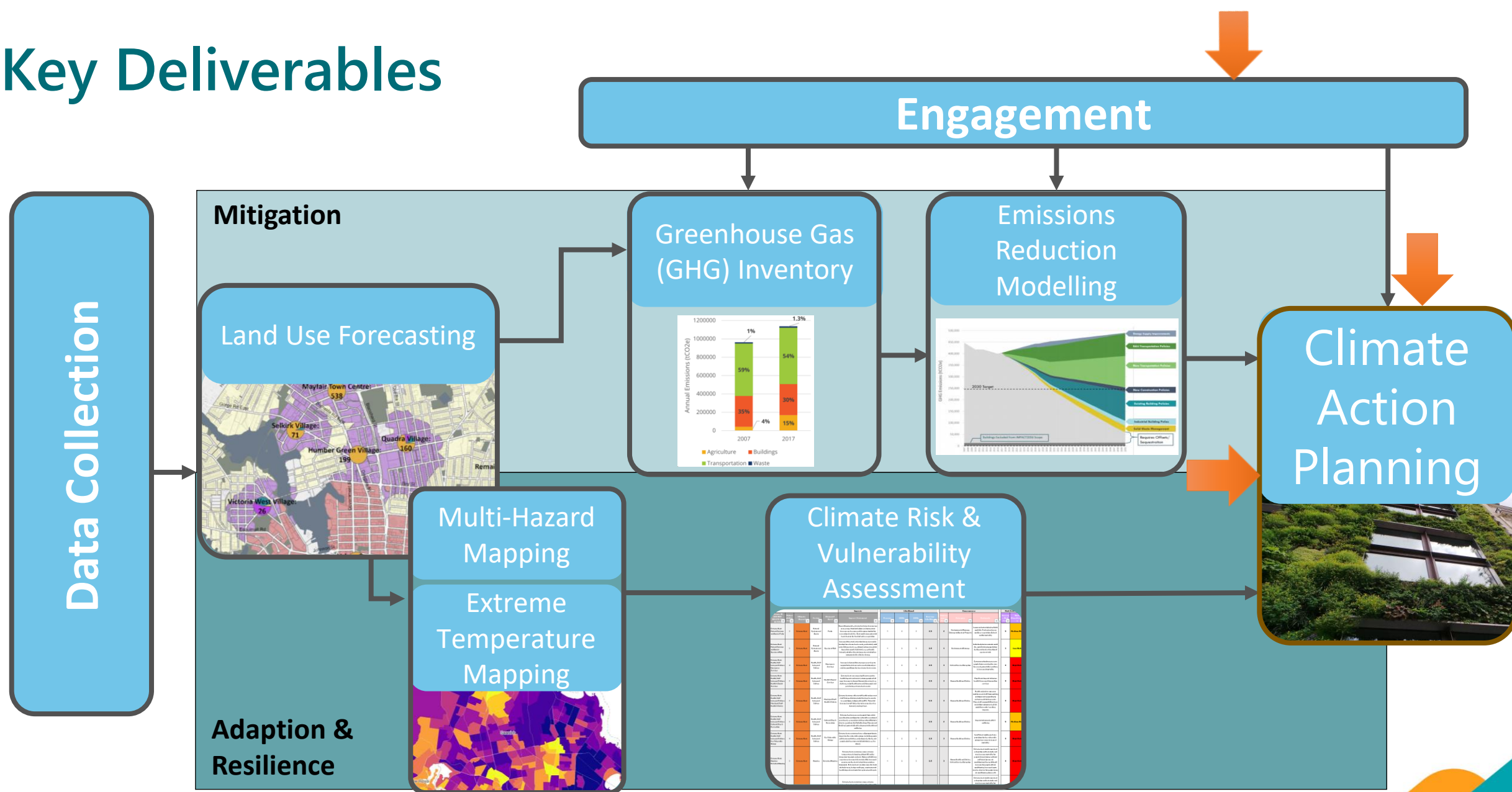
Mitigation

Advocating for stronger policy at higher levels of government/utilities

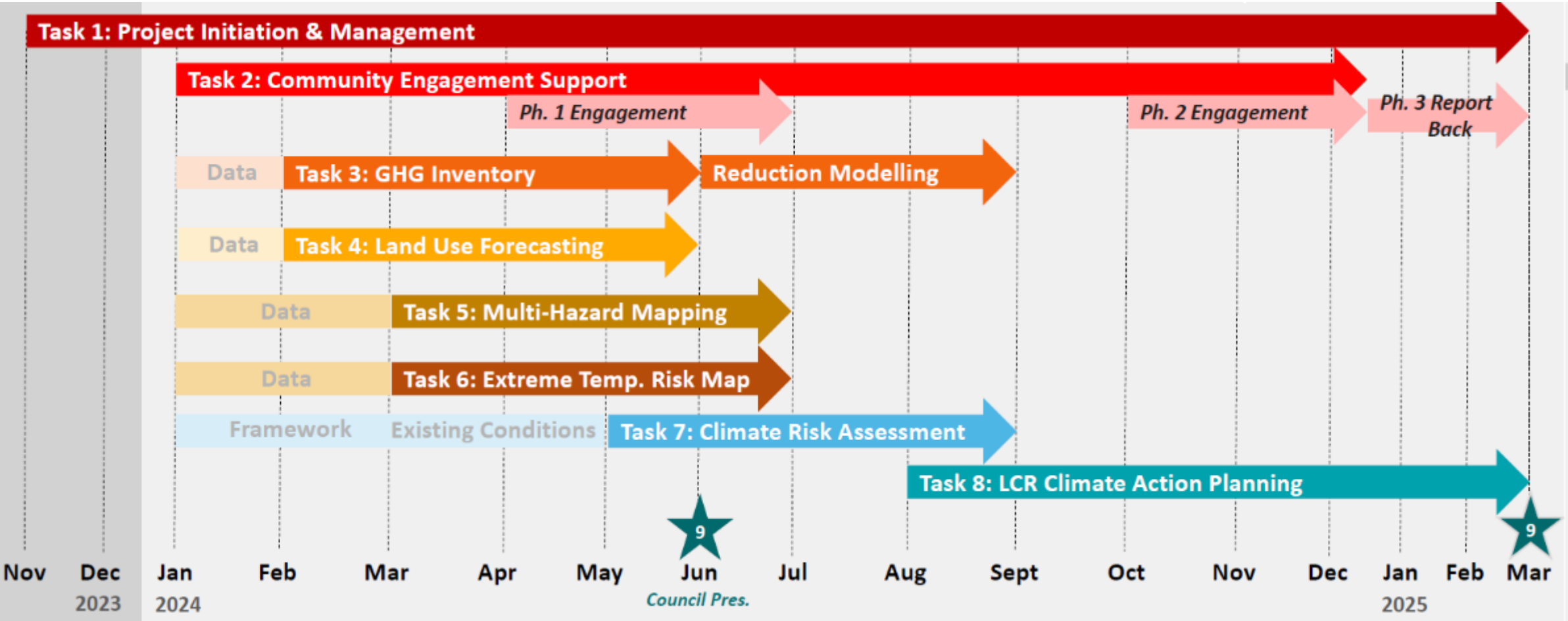
Training & resources to encourage energy efficiency in private sector—buildings, fleet

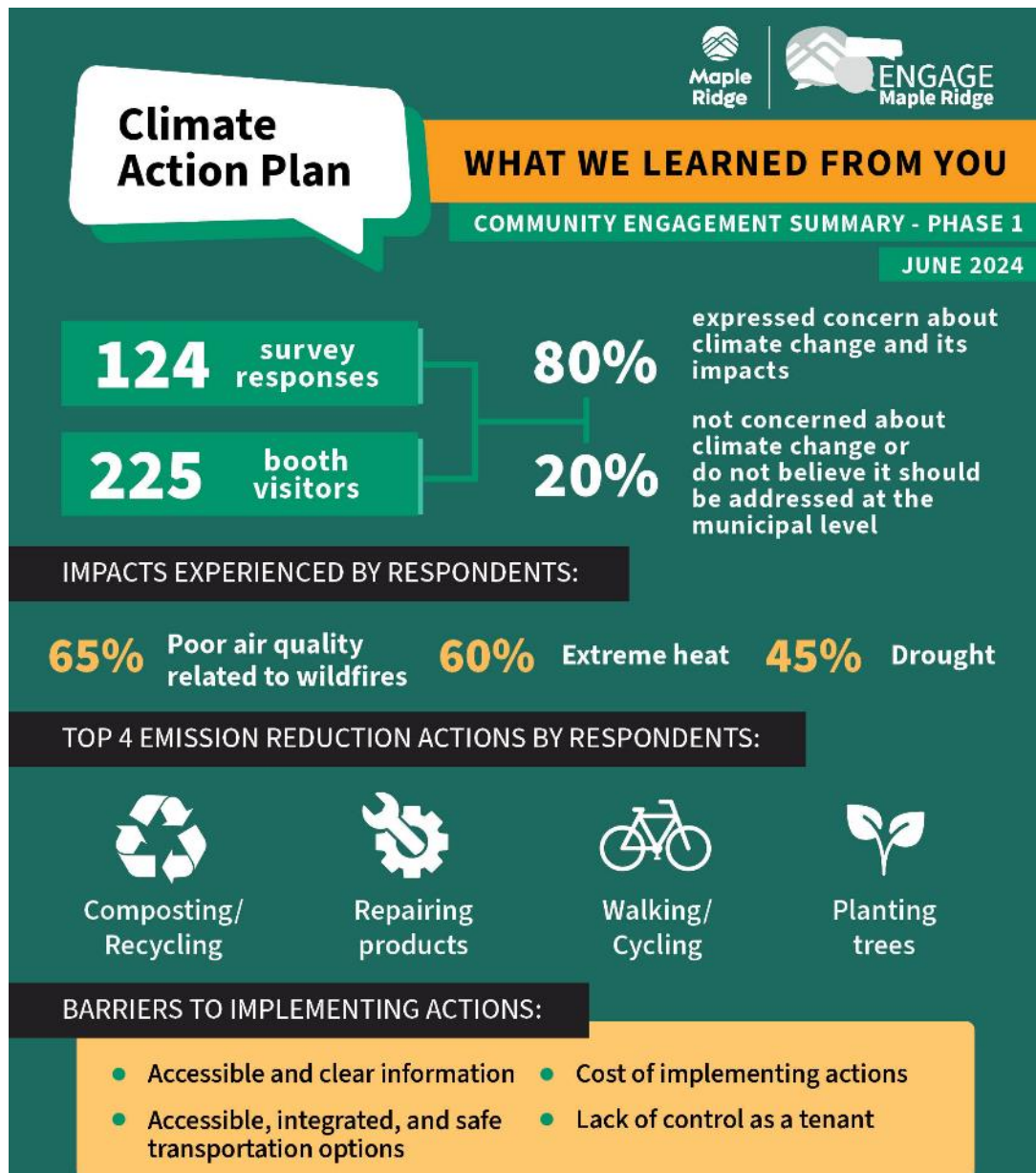
Accelerating uptake of provincial policy (e.g., Step Code)

Key Deliverables



Timelines





Engagement

Phase 1 (May–August 2024): Completed

Understand residents' experiences with climate change impacts and actions.

Understand community priorities for climate mitigation and adaptation actions.

Phase 2 (October–December 2024): Underway

Gathering feedback on possible climate mitigation and adaptation actions.

The results will inform the prioritization of the Climate Action Plan goals and provide details relating to specific actions.

Phase 3 Engagement (Early 2025): Coming Soon

Report back on how the input received helped shape the Climate Action Plan.

Climate Hazards



Extreme Heat

Days above 30°C = increase 283% in the 2050s.

Hottest day temperature = increase from 32.2°C in 2010s to 35.9°C in the 2050s.

Average annual temperature = increase, rising from 9.8°C in 2010s to 12.6°C in the 2050s.



Drought

Average total summer precipitation = decrease by 14% in the 2050s

The longest annual dry spell duration = increase from 21 days in the 2010s to 25 days in the 2050s.



Wildfire

The fire season length = increase from 277 days in the 2010s to 345 in the 2050s.

Fire weather severity = increase, rising from 84 in the 2010s to 127 in the 2050s.

Fire weather frequency = increase from 29 days in the past to 57 in the 2050s.



Poor Air Quality

Number of smoke waves (periods of 2 or more consecutive wildfire smoke days) = increase from 3–4 in the 2010s to 5-6 by the 2050s.

Ozone levels = increase as temperatures warm.



Climate Hazards



Windstorms

Hourly wind gusts = increase from 6 hours in the 2010s to 8 hours (+33%) in the 2050s.
10-year return period max. hourly wind pressure = increase from 0.32kPa in the 2010s to 0.33kPa (+3%) in the 2050s.



Rainwater
Flooding

Short-duration rainfall intensity during a 100-year return level of a 1-hour = increase by 20% in the 2050s.

Annual max. 1-day precipitation = increase, rising by 10% in the 2050s.



River Flood

1-in-500 year maximum Fraser River discharge = increase by 21% in the 2050s.
1-in-500 year peak river water levels = increase, rising by 8% in the 2050s
Cold season runoff = increase by 31% in the 2050s

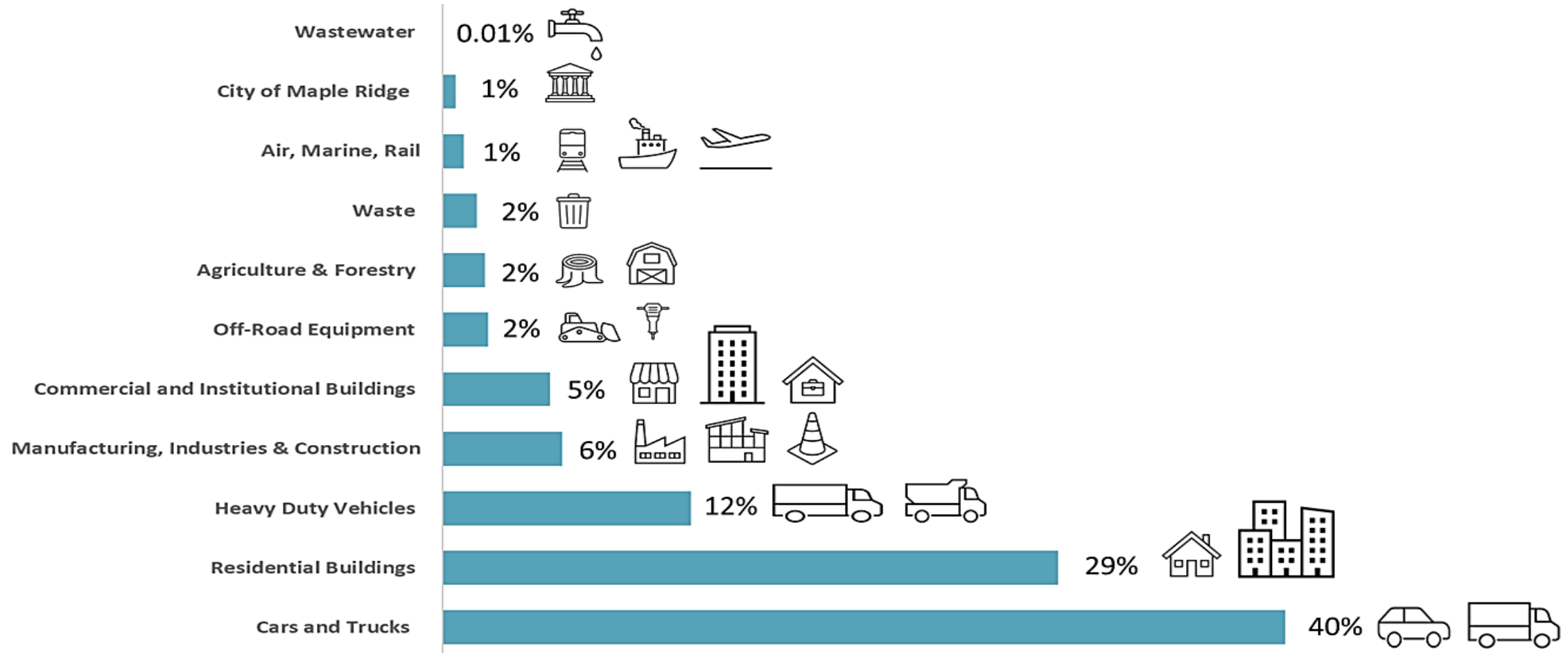


Coastal Flood

The **contribution of sea level rise to Fraser River flood** levels = increase by 11-28% in the 2050s



Local Emissions



Community Greenhouse Gas Emissions, 2022

Themes

BUILDINGS: Lower Carbon & Resilient City Buildings & Infrastructure

Reducing emissions in municipal buildings and infrastructure, including converting buildings to use electricity for heating.

TRANSPORTATION: Lower Carbon Transportation & Mobility

Reducing greenhouse gas emissions created by people and goods moving around Maple Ridge.

WASTE: Waste Reduction

Reducing the amount of waste that goes to the landfill.

SAFETY: Community Safety & Wellbeing

Reducing the highest climate risks and ensuring that critical municipal services are climate-ready, while still enhancing community health, social cohesion, and access to cultural spaces and practices.

NATURAL SYSTEMS: Protected Natural Systems & Assets

Protecting ecological systems and habitat to enhance biodiversity and preserve the important environmental services these natural assets provide.

ECONOMY: Thriving & Resilient Business, Industry, and Agricultural Sectors

Support business, industry, and agriculture to become more resilient and produce lower emissions.

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Actions 60 minutes



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Round 1: Actions

Looking at proposed actions posted under a Climate Action Plan

- 1) What actions have the greatest impact on your customers/the population you serve/represent?
- 2) Are we missing actions?

Reflect on question first, pick 3 actions, Add an X to the action you chose or add an action that you feel is missing.

Then discuss with another, then discuss with another person.
Why you chose that action

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Break
15 minutes



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Prioritize 30 minutes



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Round 2: Prioritize

From the discussions and learnings from Round 1, please exchange identified actions with others in the room.

You will be scoring this action.

Once you scored action, pass action to another person in the room

Keep going until all actions have 3 numbers on them (e.g., 3-2-4)

Add the 3 numbers to get a total score

Round 2: Prioritize

On each action you receive, please score 1 to 5

1. **Not Sold on This** – Strongly opposed; do not agree with the action as presented.
2. **Some Concerns** - Slightly opposed; have specific issues that need addressing before this is prioritized.
3. **Neutral** – No strong preference if this action is prioritized or not.
4. **Leaning In** – Generally support, with a few reservations about this being prioritized at this point.
5. **Absolutely on Board** – Strongly support and fully agree with the action being prioritized.

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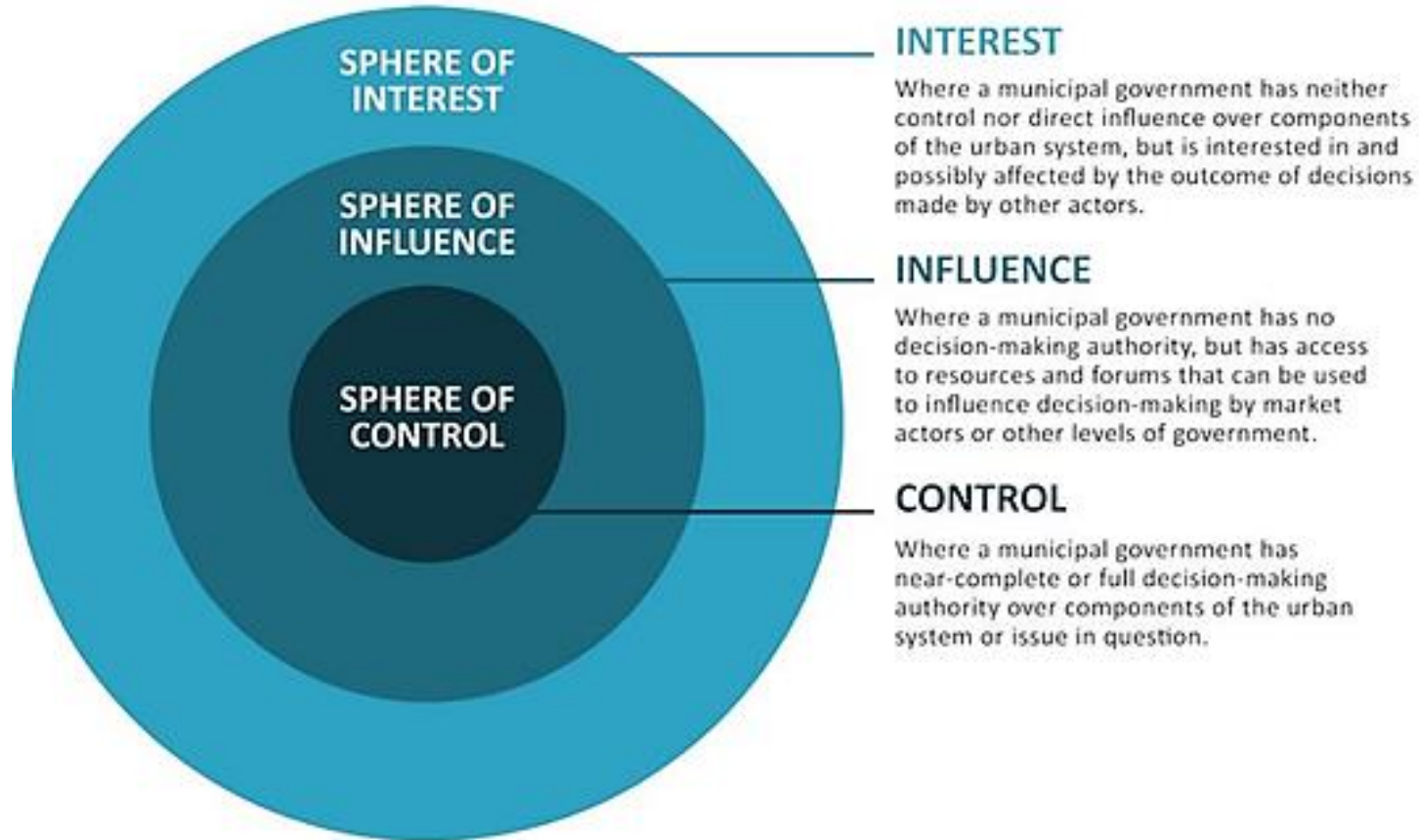
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Work Together 60 minutes



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Round 3: Work Together



Round 3: Work Together

3) What actions of those identified in Rounds 1 and 2 can we collaborate on for mutual benefit/interest to achieve community co-benefits?

4) What support do you need from the City of Maple Ridge?

Reflect on questions first, then discuss with another, then discuss with another person.

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**Thank you
& Lunch!!!!**



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