

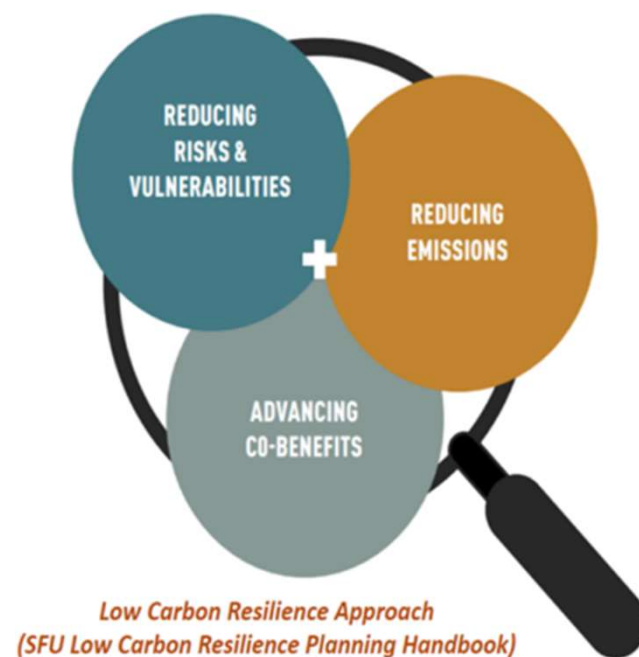
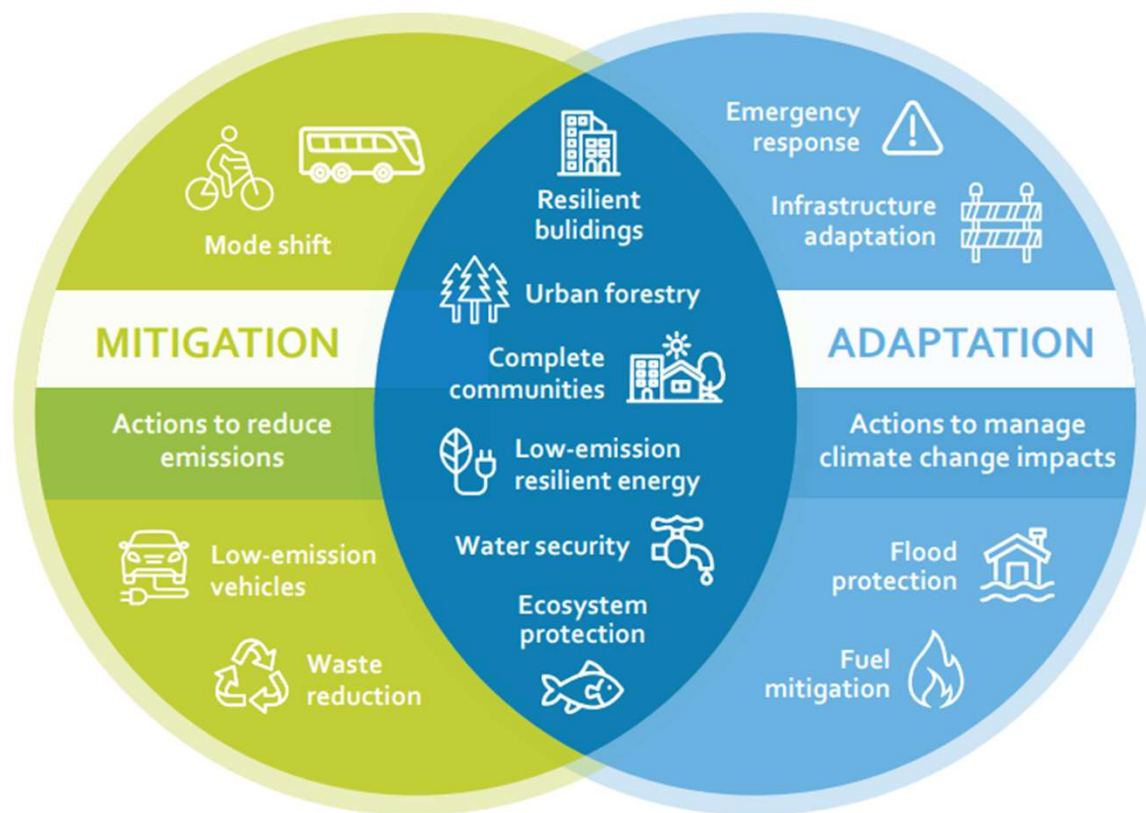


Maple Ridge Climate Action Plan

**Moving Boldly towards
Low-Carbon Resilience.**

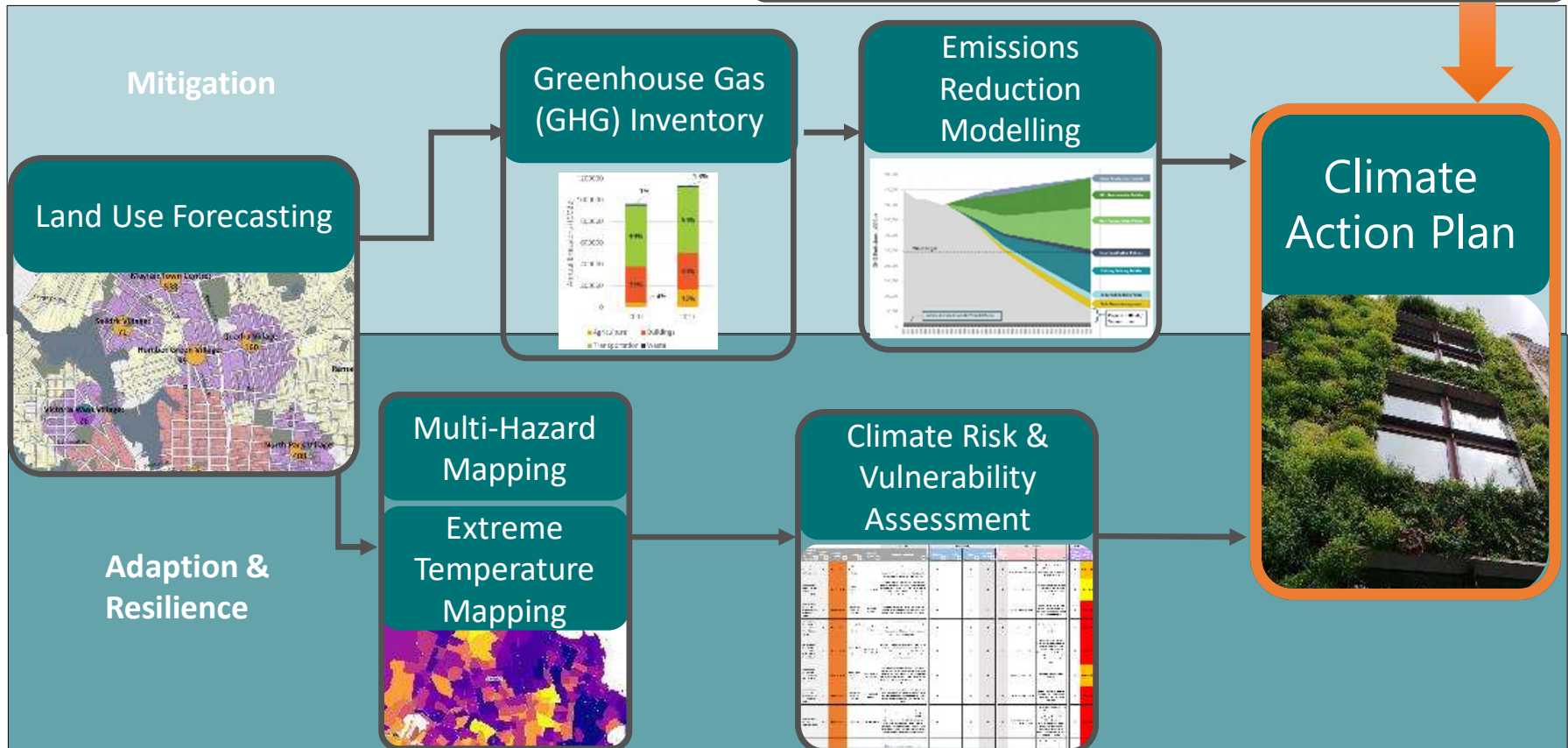


Low Carbon Resilience Approach



Getting to Actions

Engagement – 3 Phases

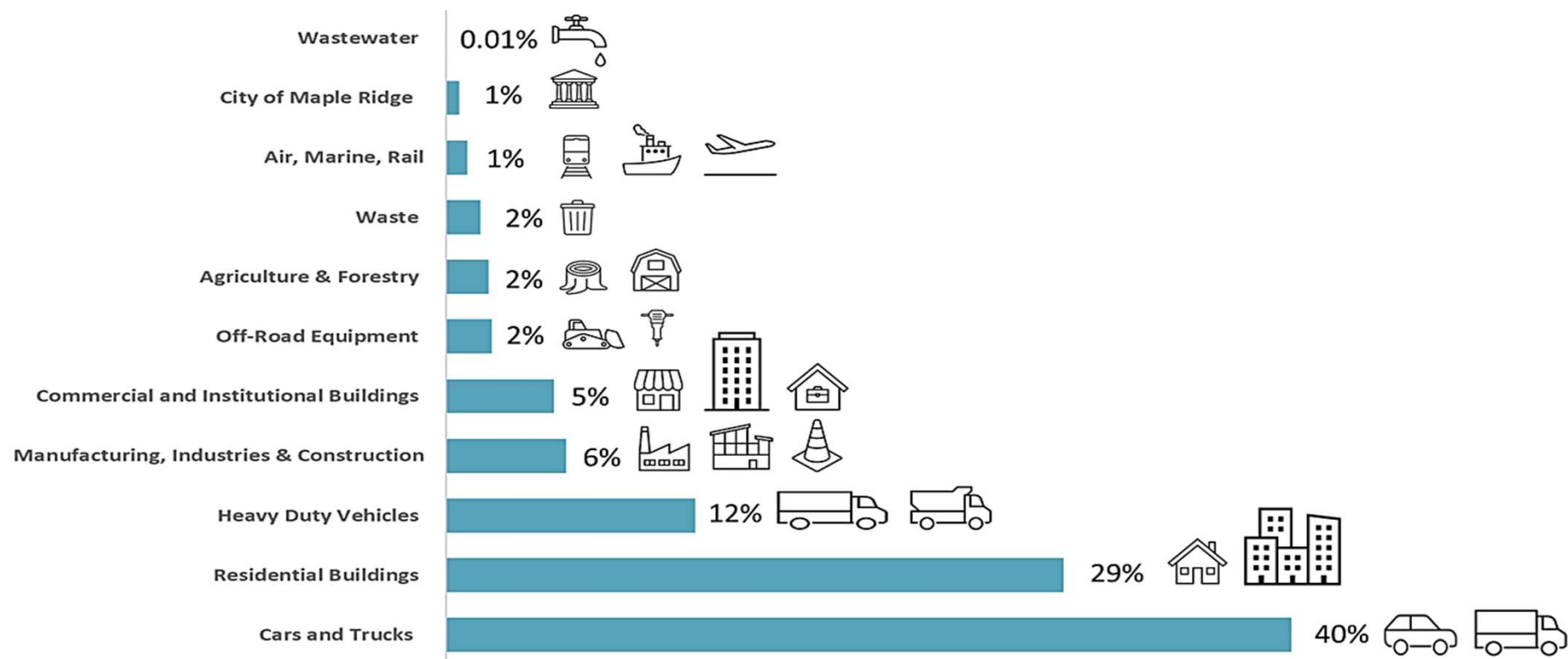


Jan 2024



April 2025

Local Emissions



Community Greenhouse Gas Emissions, 2022

Climate Hazards & Risks

	 Wildfire	 Flooding	 Extreme Heat	 Drought	 Poor Air Quality	 Wind & Storm	 Key Vulnerabilities
 Economic	• Damage or destruction of buildings • Increased water demand • Damage to roads • Damage to third party infrastructure • Business interruptions	• Damage to buildings • Damage to roads • Damage to third party infrastructure • Water contamination • Reduced patronage for businesses	• Overheating in buildings • Damage to third party infrastructure • Reduced staff productivity and patronage for businesses	• Reduced availability of drinking water • Loss of important ecosystems • Reduced viable agricultural land • Water restrictions	• Unsafe indoor conditions • Reduced patronage for businesses	• Damage to third party infrastructure • Blockage of roads • Business interruptions	• Buildings and infrastructure in forested areas • Buildings and infrastructure in floodplains • Buildings in areas with low urban tree canopy
 Social & Cultural	• Mental and physical health impacts • Higher demand for health and social services • Damage to cultural sites • Damage to recreational sites and park closures	• Increased injury, illness, or death • Increased demand for health and social services • Damage to historical and cultural artifacts • Reduced mobility	• Mental and physical health impacts • Difficulty performing culturally significant practices or accessing traditional plants	• Die-off of vegetation and landscaping at cultural sites	• Mental and physical health impacts • Higher demand for health and social services • Reduced access to cultural sites	• Increased injuries from flying debris • Damage to historical and cultural artifacts and buildings	• Elders or seniors, young children, people with chronic health issues, people living alone, unhoused people, outdoor workers, people with disabilities • Cultural sites in forested areas, floodplains, or areas with low urban tree canopy
 Environmental	• Reduced watershed and riparian forest cover • Damage to trees and forest vegetation • Destruction of habitats	• Scouring and erosion of stream banks, stream beds, and shorelines • Waterlogging of soils • Debris flows • Damage to habitats	• Loss of trees and vegetation • Increased stream temperatures • Changing ecosystems	• Loss of trees and vegetation • Low flows in streams • Changing ecosystems	• Allochthonous depositions in waterbodies	• No high risks identified	• Ecosystems and habitats in areas of high wildfire risk or floodplains

Climate Action Plan



WHAT WE LEARNED FROM YOU

COMMUNITY ENGAGEMENT SUMMARY - PHASE 1

JUNE 2024

124 survey responses

80%

expressed concern about climate change and its impacts

225 booth visitors

20%

not concerned about climate change or do not believe it should be addressed at the municipal level

IMPACTS EXPERIENCED BY RESPONDENTS:

65% Poor air quality related to wildfires **60%** Extreme heat **45%** Drought

TOP 4 EMISSION REDUCTION ACTIONS BY RESPONDENTS:



Composting/
Recycling



Repairing
products



Walking/
Cycling



Planting
trees

BARRIERS TO IMPLEMENTING ACTIONS:

- Accessible and clear information
- Cost of implementing actions
- Accessible, integrated, and safe transportation options
- Lack of control as a tenant

Climate Action Plan



PHASE 2 | NOV 2024

What We Learned

208 Survey Responses

45 Workshop Attendees

98%
Support Local
Climate Action



Ranking of Climate Action Plan Themes

Safety:	Protect Community Safety & Wellbeing
Natural Systems:	Enhance Natural Systems & Assets
Buildings:	Lower Carbon and Resilient Buildings & Infrastructure
Transportation:	Lower Carbon Transportation & Mobility
Economy:	Thriving and Resilient Business, Industry, and Agricultural Sectors
Waste:	Waste Reduction



Top Rated Barriers to Personal Climate Actions

47%
I do not have
enough time

40%
Grants and
funding options
are hard to
obtain

36%
I do not have
enough
knowledge and/
or ability

28%
The cost is
too high

21%
None

95%
Would consider
doing action at
home and work

Top Rated Personal Actions Considered for Home and Work



- 45%** Climate resilient landscaping (e.g. drought resistant, wildfire resistant and retains, flows and releases water naturally)
- 36%** Energy efficiency retrofit (e.g., insulation, weather stripping, heat pump, Improve Heating Ventilation Air Conditioning)
- 32%** Climate risk audit (heat, fire, flood)
- 28%** Use or increase use of public transportation, cycling, or walking/rolling
- 27%** Continue to or increase purchasing food from local farmers and farm producers

Top Ranked Actions

59%

Establish design guidelines and maintenance standards for public, private and development properties that incorporate natural assets and green infrastructure to reduce climate impacts from extreme heat, flooding, and extreme storms.

55%

Advocate and work with partners to support investment in accessible, connected, and expanded public transit for commuting in and around the city and to neighbouring cities.

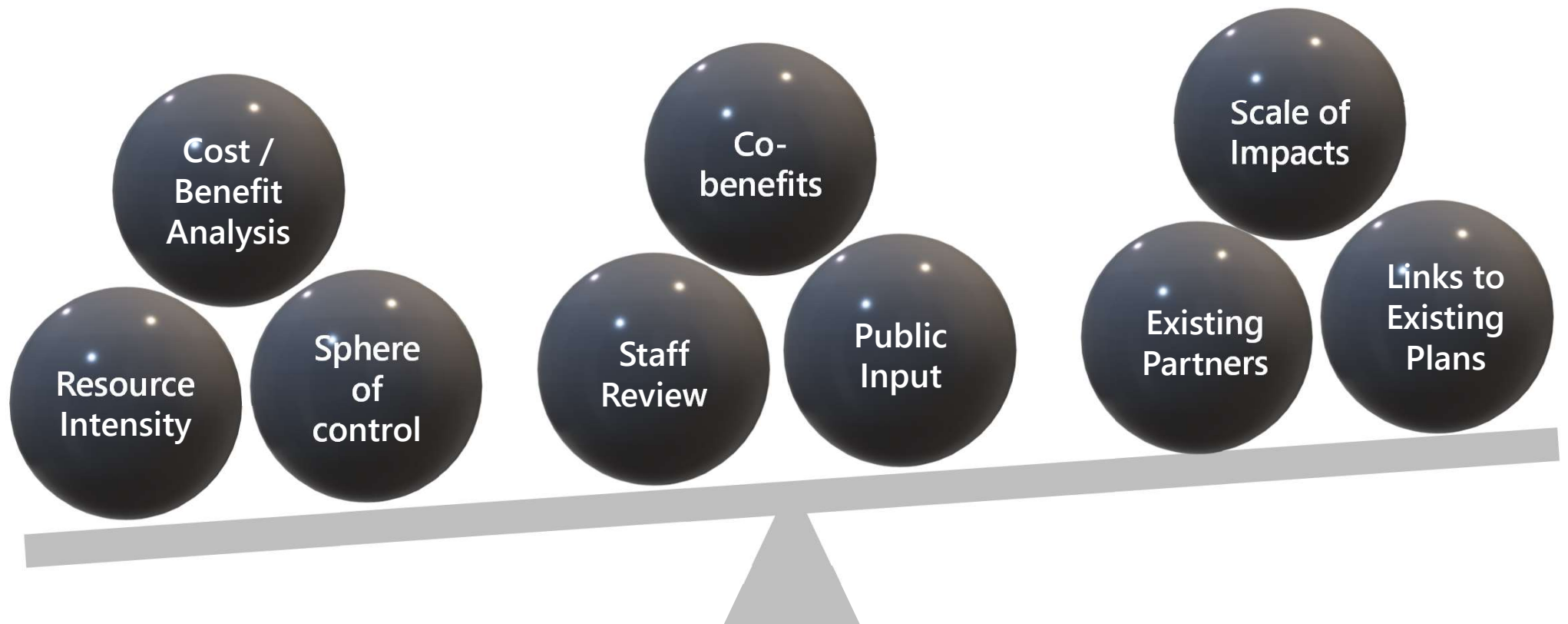
54%

Increase greenspace and green infrastructure into the urban environments, especially focussing on areas of extreme temperature and flooding exposure.

50%

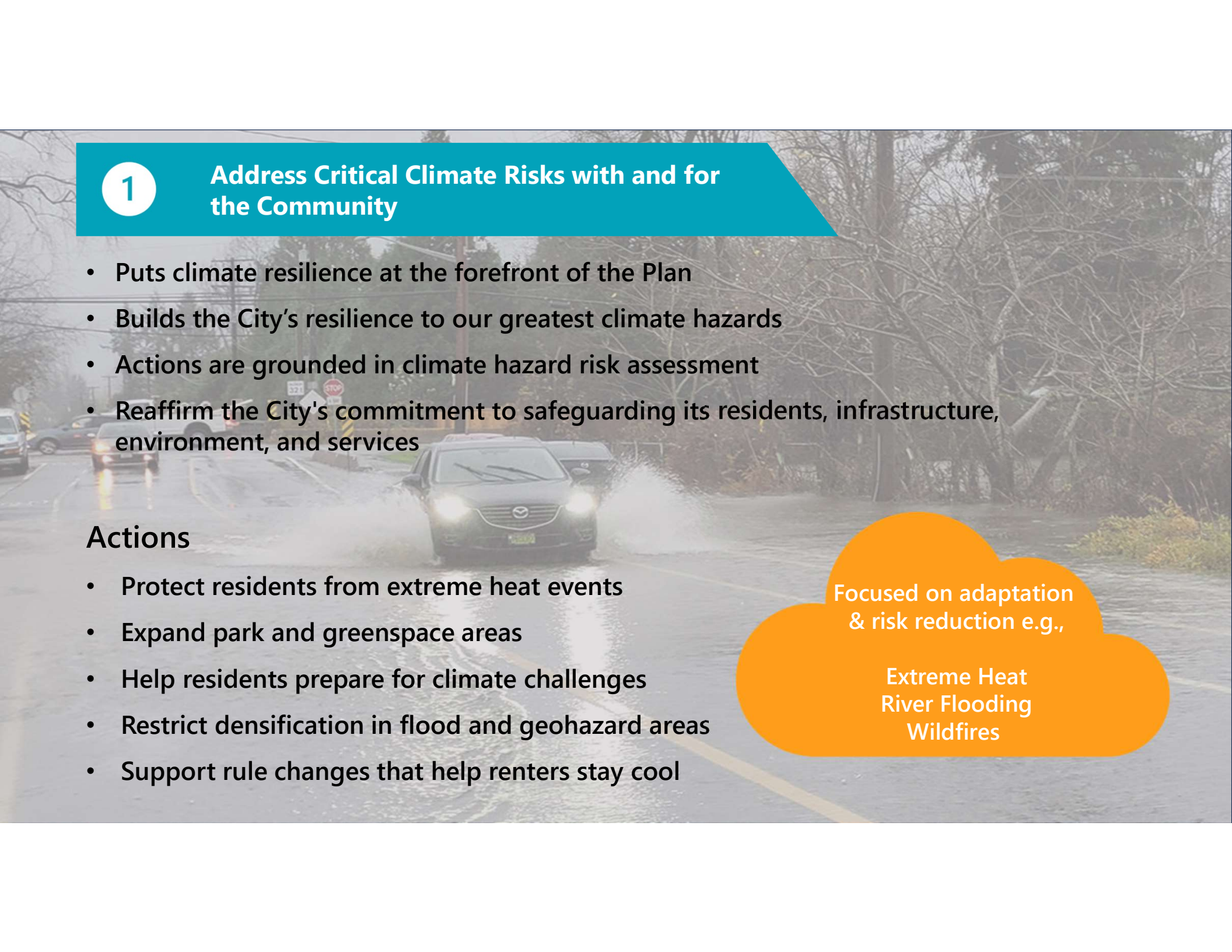
Provide information or guidelines for new buildings that encourage climate resiliency for homes, business, and properties from extreme heat, extreme rain, drought, and wildfire.

Factors Examined



Five Bold Moves

1	Address Critical Climate Risks with and for the Community	16 Actions
2	Enhance City Infrastructure, Natural Assets and Services for Climate Readiness	12 Actions
3	Encourage Zero Carbon and High Efficiency Buildings	13 Actions
4	Foster Sustainable and Active Transportation Choices	6 Actions
5	Support Low Carbon Economy & Agriculture	8 Actions

A background image showing a dark-colored car driving through deep floodwaters on a city street. The car's headlights are on, and it is splashing water. In the background, there are trees and other vehicles, suggesting an urban environment during a heavy rain event.

1

Address Critical Climate Risks with and for the Community

- Puts climate resilience at the forefront of the Plan
- Builds the City's resilience to our greatest climate hazards
- Actions are grounded in climate hazard risk assessment
- Reaffirm the City's commitment to safeguarding its residents, infrastructure, environment, and services

Actions

- Protect residents from extreme heat events
- Expand park and greenspace areas
- Help residents prepare for climate challenges
- Restrict densification in flood and geohazard areas
- Support rule changes that help renters stay cool

Focused on adaptation
& risk reduction e.g.,

Extreme Heat
River Flooding
Wildfires

2

Enhance City Infrastructure, Natural Assets and Services for Climate Readiness

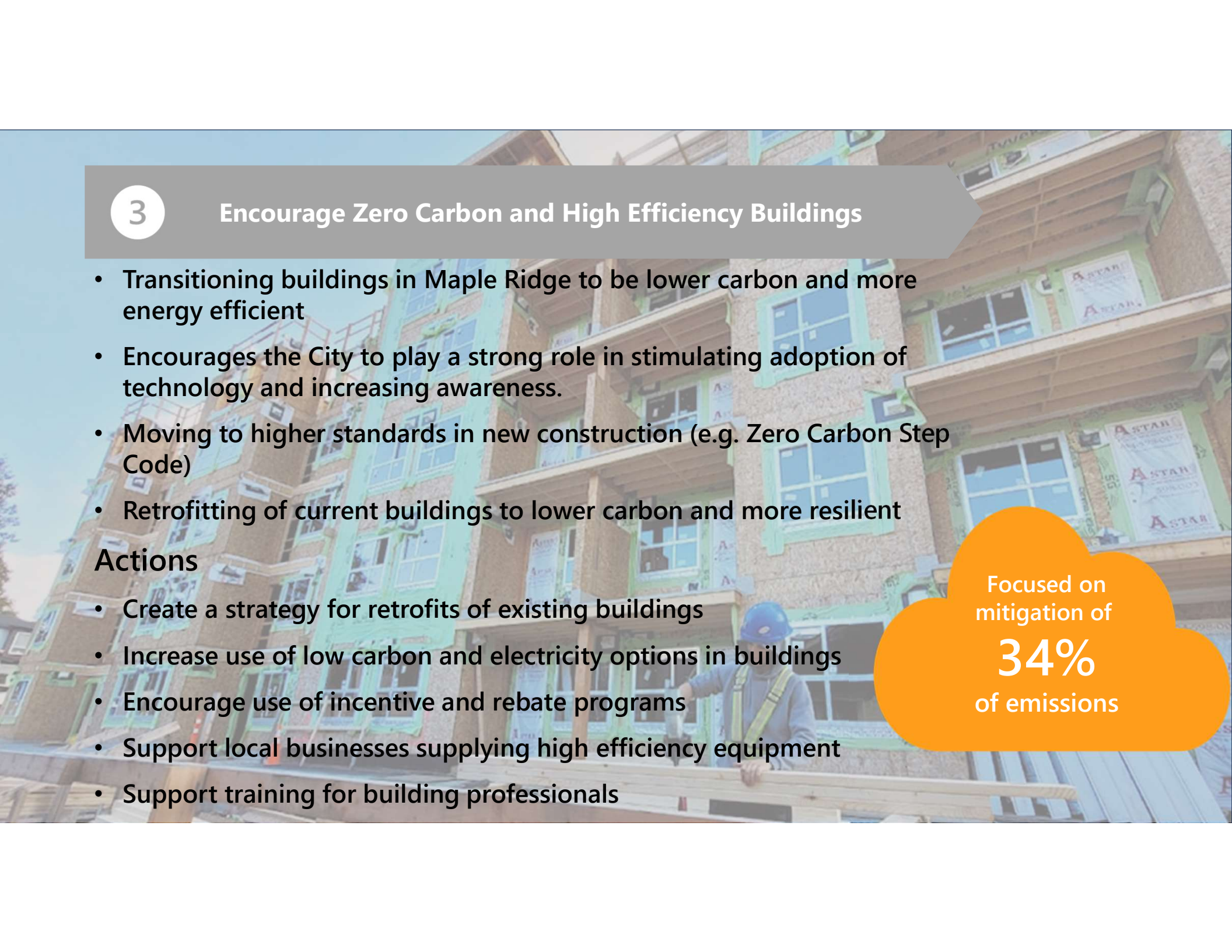
Making City infrastructure and services more climate ready in three key areas

- Stewardship of the city's natural assets
- Ensuring the infrastructure meets needs of the community while remaining resilient to climate challenges
- Taking action to ensure city services are climate ready

Actions

- Ensure city decision making considers climate risks.
- Ensure continuity of city services during emergencies.
- Prioritize use of climate resistant and native species of plants and trees.
- Phase out fossil fuel vehicles in the City fleet.

Focused on adaptation
& risk reduction e.g.,
Heat, Drought
River Flooding
Wildfires
Air quality

The background image shows a multi-story building under construction. The building has a brick facade and several windows. A construction worker wearing a blue hard hat and a safety vest is visible in the foreground, working on the building. The building is surrounded by scaffolding and construction materials.

3

Encourage Zero Carbon and High Efficiency Buildings

- Transitioning buildings in Maple Ridge to be lower carbon and more energy efficient
- Encourages the City to play a strong role in stimulating adoption of technology and increasing awareness.
- Moving to higher standards in new construction (e.g. Zero Carbon Step Code)
- Retrofitting of current buildings to lower carbon and more resilient

Actions

- Create a strategy for retrofits of existing buildings
- Increase use of low carbon and electricity options in buildings
- Encourage use of incentive and rebate programs
- Support local businesses supplying high efficiency equipment
- Support training for building professionals

Focused on
mitigation of
34%
of emissions

4

Foster Sustainable and Active Transportation Choices

- Accelerates Maple Ridge's shift toward lower-carbon, efficient and more resilient transportation
- Advocacy to the Province regarding continued enhancement of public transportation (e.g., Bus Rapid Transit Project)
- Prioritizing access to active transportation to provide greater choices for residents

Builds on our existing actions under the Strategic Transportation Plan Actions

- Create more opportunities for walking, cycling and transit
- Push for more public transit options and use
- Deliver on 55 actions in transportation plan and renew in 2030
- Advocate for incentives for lower carbon vehicles

Focused on
mitigation of
52%
of emissions

An aerial photograph of a rural landscape featuring several large red barns, green fields, and a dirt road. In the background, there are rolling hills and mountains under a clear sky. The image is used as a background for the slide.

5

Support Low Carbon Economy & Agriculture

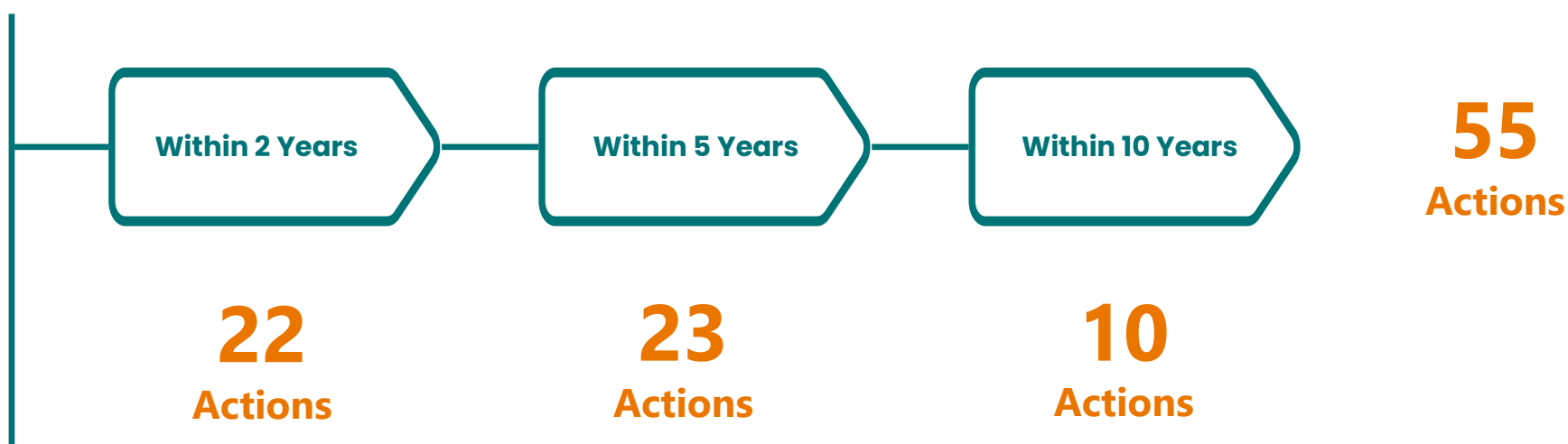
- Positions Maple Ridge as a hub for low-carbon businesses and agriculture
- Focus on economic development to stimulate investments in lower-carbon businesses
- Supports for agricultural businesses to upgrade equipment for lower carbon operations

Actions

- Update planning to support local farmers
- Investigate creating a farm incubator program
- Increase use of existing incentive programs for businesses
- Improve waste management for commercial users

Focused on
mitigation of
12%
of emissions

Delivering the Bold Moves



Maple Ridge Climate Action Plan:
Moving Boldly towards
Low-Carbon Resilience.

Survey

