

Proposed Climate Actions Survey

The Phase 2 engagement survey is now closed. Thank you to those who participated.

INTRODUCTION TO ACTION THEMES

Through community engagement and analysis of climate adaptation and mitigation opportunities, six themes have been identified for the Maple Ridge Climate Action Plan.

1. BUILDINGS: Lower Carbon & Resilient City Buildings & Infrastructure

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

2. TRANSPORTATION: Lower Carbon Transportation & Mobility

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

3. WASTE: Waste Reduction

Reducing the amount of waste that goes to the landfill.

4. 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.

5. NATURAL SYSTEMS: Protected Natural Systems & Assets

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

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

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

SURVEY QUESTIONS

Please provide your feedback on what proposed mitigation and adaptation actions you want the City to prioritize. While we will consider all of the actions included here, the results of this survey will help inform what actions are prioritized.

01. Q1. BUILDINGS: Lower Carbon & Resilient City Buildings & Infrastructure

Required

Municipal-owned and managed facilities account for 45% of emissions in Maple Ridge. This is an area where the City has the most direct influence to reduce emissions. QUESTION: What actions do you want the City to prioritize to reduce emissions and improve the climate-resilience of buildings and infrastructure? (Select up to three)

Select between 1 and 3 answers

- ☐ Invest in City facilities to meet high energy efficiency and low emission standards and enhance resilience to climate hazards through new building requirements and upgrading existing buildings.
- ☐ Work with partners to invest in increasing building supply that is affordable, resilient, and low carbon.

☐	Work with partners to support converting buildings to electric power and heating.
☐	Develop a program to accelerate converting existing building systems to lower carbon and resilient designs.
☐	Accelerate the adoption of low-emission, energy efficient new buildings (e.g., adopting the- Energy Step Code and/or Zero Carbon Step Code).
☐	Collaborate with local municipalities to establish benchmarks for large building energy and emission levels.
☐	Collaborate with other levels of government and utilities to encourage energy upgrades and lower carbon emissions of existing homes through rebates and standards.
☐	Consider energy upgrades and carbon emissions from construction in land use and development decisions.
☐	Continue to review and update land development regulations to protect people and property from climate risks.
☐	No action needed.
☐	Other

02. Q2. TRANSPORTATION: Lower Carbon Transportation & Mobility Required

Transportation (how people and goods move around the community) accounts for 53% of emissions in Maple Ridge, presenting a significant opportunity to reduce greenhouse gas emissions and the impacts of climate change. The City's Strategic Transportation Plan also supports improving transportation and reducing emissions. QUESTION: What actions do you want the City to prioritize in the Climate Action Plan to help lower transportation emissions? (Select up to three)

Select between 1 and 3 answers	
☐	Work with partners to invest in safe and connected transportation corridors to increase cycling, walking/rolling, and other modes of active (human-powered) transportation.
☐	Create and expand comfortable walking and cycling routes.
☐	Advocate and work with partners (e.g., TransLink) to support investment in accessible, connected and expanded public transit for commuting in and around the City and to neighbouring cities.
☐	Planning that considers requirements for active transportation (e.g., increasing cycling, walking/rolling, e-mobility).
☐	Explore how new ways of travelling could improve mobility for all (e.g., car share - Evo, Modo), ride share - Uber, Lyft, micromobility - bike share, electric bikes, scooter share).

☐	Advocate and support the transition to efficient and zero-emission commercial vehicles and movement of goods.
☐	Invest in mobile electric vehicle charging stations (e.g., for electric scooters, electric bicycles) near recreation areas and facilities).
☐	Invest in installation of secure bicycle lockers and bicycle repair stations at key cultural and recreation or commercial destinations.
☐	Transition the City fleet to lower carbon emission transportation options.
☐	Advocate to higher levels of government to address climate impacts and hazards on transportation corridors around Maple Ridge.
☐	Prepare emergency response and emergency evacuation routes for the impacts of climate events and hazards
☐	Work with partners to explore mobility pricing (i.e., user charged based on mode, frequency and location to manage demand, reduce congestion, and encourage sustainable modes of transport).
☐	No action needed.
☐	Other

03. Q3. WASTE: Waste Reduction Required

Reducing the amount of waste that goes to the landfill is one of the most accessible ways households can support the City's goals to reduce emissions. **QUESTION:** What actions do you want the City to prioritize to help reduce waste? (Select up to three)

Select between 1 and 3 answers	
☐	Work with partners to increase the options for recycling and reducing waste in the community.
☐	Participate in the update of the regional Integrated Solid Waste and Resource Management Plan.
☐	Work with partners to support residential multi-family properties to have disposal options for on-site organics and recycling.
☐	Work with partners to provide education materials about where to dispose of harder-to-recycle items, encouraging diverting waste from the landfill, and recovering material resources.
☐	Collaborate with local partners on "circular economy" programs focused on reducing waste by promoting reusing, recycling, and recovering materials for additional use

☐	Advocate to senior levels of government in support of extended producer responsibility (EPR) initiatives (i.e., producer's responsibility is extended to the post-consumer stage of a product's life cycle).
☐	Explore policies, programs, and incentives to reduce construction waste with local construction associations and homebuilders associations.
☐	Establish a minimum reuse and recycling requirement as part of receiving permits for demolition waste when demolishing a home or building.
☐	Work with partners to investigate options for handling disaster-related waste generated by more frequent and powerful natural disasters from climate change.
☐	No action needed.
☐	Other

04. Q4. SAFETY: Protect Community Safety & Wellbeing Required

A safer and healthier community is a more resilient community. Understanding key areas of risk can help the City respond more efficiently and proactively and enhance community health, social cohesion and access to cultural spaces and practices.

QUESTION: What actions do you want the City to prioritize to protect community safety and wellbeing? (Select up to five)

Select between 1 and 5 answers	
☐	Increased investments in public infrastructure (e.g., dikes and pump stations) to address increased flooding risks.
☐	Requirements for new buildings to incorporate mitigation measures for flooding or fire prevention.
☐	Advocate to local utilities to reduce service disruptions by increasing resiliency of the electricity grid, supply and telecommunications infrastructure.
☐	Increased community access in at-risk neighbourhoods to areas of respite and recovery – cooling centres, clean air centres (to escape wildfire smoke.
☐	Work with local First Nations Indigenous communities to establish and/or maintain culturally appropriate understanding and support to address emergency and climate risks impacting access to cultural spaces and practices.
☐	Help strengthen First Nation-led emergency management and preparedness mechanisms and increase collaboration between relevant entities to respond to climate-related emergencies and associated risks and impacts.
☐	Community access to emergency supplies (e.g., sandbags and other hazard mitigation supplies).

☐	Continue working with the Community Resource Hub and partner agencies to provide wellness checks and water and ensure support services are available during heat events.
☐	Collaborate with local utilities on demand-response programs to reduce peak energy demand during climate events (e.g., during a heat wave).
☐	Advocate resiliency actions for hospitals and health care providers to ensure continued services during climate hazards.
☐	Develop policies that support residents that may be at higher risk of extreme indoor temperatures in older buildings.
☐	Update municipal buildings to be more resilient to extreme heat, rain, drought, and wildfire.
☐	Provide information or guidelines for new buildings that encourage climate resiliency for homes, business and properties from extreme heat, extreme rain, drought, wildfire.
☐	Incentives to help you protect yourself, your home, family, tenants, business (e.g., FireSmart).
☐	Investigate and invest in back-ups and duplication of municipal services to prevent or reduce disruption of core City services due to climate hazards.
☐	No action needed.
☐	Other

05. Q5. NATURAL SYSTEMS: Enhance Natural Systems & Assets Required

Natural systems, or “natural assets”, can provide important services to the community (e.g., streams helping to clear flood waters, greenspace absorbing rainwater, trees keeping areas cool and managing air quality). Preserving natural systems and habitat helps to protect the important environmental services they provide. The City's Urban Forest Management Strategy also supports the urban forest and tree canopy. QUESTION: What actions do you want the City to prioritize in the Climate Action Plan to enhance natural systems? (Select up to three)

Select between 1 and 3 answers	
☐	Increase and restore natural areas (forests, parks, wetlands, waterways) to reduce impacts from climate change.
☐	Identify and work with partners to conserve valuable ecosystems and greenspace.
☐	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.

☐ Increase greenspace and green infrastructure into the urban environments, especially focussing on areas of extreme temperature and flooding exposure.
☐ Collaborate with other local and senior governments to develop watershed-level management plans to enhance and/or prepare natural ecosystems for changing climate conditions.
☐ Continue to work on developing partnerships and strengthening information-sharing with our local First Nations and Indigenous communities, organizations, and others to care for the Earth, water, and land collectively
☐ Work with partners to increase options for local food gardens in community spaces and at multi-residential units.
☐ No action needed.
☐ Other

06. Q6. ECONOMY: Thriving and Resilient Business, Industry, and Agricultural Sectors Required

Manufacturing, industry, construction, agriculture, forestry, and the equipment used in these sectors account for 8% of the emissions in Maple Ridge. Actions that help to protect a thriving economy and ensure local food security during and after a severe climate event are essential to Maple Ridge becoming more resilient to the impacts of climate change. QUESTION: What actions do you want the City to prioritize to support low-carbon resilient business, industry and agriculture? (Select up to three)

Select between 1 and 3 answers
☐ Procure municipal goods and services that are low carbon and reduce emissions.
☐ Prioritize industrial parks with shared services and industrial synergies in land use planning.
☐ Identify and explore ways to remove barriers to participation in energy efficiency, low emissions, and renewable energy programs (e.g., municipal codes, policies, legislation).
☐ Collaborate with service organizations, utilities, and other levels of government to promote incentives and offer training and skills around low-carbon and climate resilient building and services practices.
☐ Collaborate with community management partners, agricultural organizations, farmers markets, and the Agricultural Land Commission (ALC) to expand agricultural uses and bolster food security efforts.
☐ Collaborate with local First Nations on economic development and employment opportunities arising from the transition to a low-carbon society.

☐	Develop policies to encourage small-scale agriculture, community gardens, and urban agriculture innovation.
☐	Advocate and support the transition to energy efficient and zero-emissions residential and commercial equipment.
☐	Collaborate with business groups and other levels of government to deliver educational programs to support climate action at the business level (e.g., energy retrofits, FireSmart, climate resilient landscaping, low-emission transportation options, etc.).
☐	No action needed.
☐	Other

07. Q7(a). Prioritizing the Themes Required

How would you prioritize the proposed six themes for the Maple Ridge Climate Action Plan? Drag the themes to the right box so that the most important is at the top. (To drag, put your cursor or finger on the use, hold down, and then move the use to the right box).

Select one answer only	
	BUILDINGS: Lower Carbon & Resilient City Buildings & Infrastructure
	TRANSPORTATION: Lower Carbon Transportation & Mobility
	WASTE: Waste Reduction
	SAFETY: Community Safety & Wellbeing
	NATURAL SYSTEMS: Protected Natural Systems & Assets
	ECONOMY: Thriving and Resilient Business, Industry, and Agriculture Sectors

08. Q7(b). Are there any additional themes the City should consider actions for to help our community adapt to and mitigate the impacts of climate change?

09. Q8. Personal Actions to Help to Mitigate and Adapt to Climate Change

Required

Everyone has a role locally to mitigate and adapt to climate change at home, at work or at play. What actions would you consider doing in and around your home or business in support of the City's actions and Climate Action Plan? (Select up to three)

Select between 1 and 3 answers
☐ Complete an energy efficiency retrofit (e.g. add more insulation, add weather stripping, install a heat pump, improve Heating Ventilation Air Conditioning) for my home or business.
☐ Seek out or purchase a low carbon (energy efficient) climate-resilient (heat, flood, fire, drought) designed or retrofitted home or commercial property.
☐ Maintain a community contact network with neighbours for communication and connection.
☐ Follow information about hazards and extreme weather risks in your area.
☐ Continue to use or increase my and my family's use of public transportation, cycling or pedestrian (foot travel) to travel around in Maple Ridge.
☐ Have an electrical vehicle charging station installed at my business or commercial property.
☐ Continue or increase purchasing food locally from local farmers and local farm producers.
☐ Undertake a climate risk audit of my home or business to identify the climate risk impact (heat, fire, flood) and ways to reduce the impacts.
☐ Continue or increase my and my family's recycling and waste reduction at home and work.
☐ Undertake landscaping that is climate resilient (e.g. drought resistant, wildfire resistant and retains, flows and releases water naturally) and supports biodiversity.
☐ Install a source of backup power (generator, backup battery) or battery storage.
☐ None. There are no actions I would consider doing in and around my home or business.
☐ Other

10. Q9. Barriers Required

Are there any barriers preventing you from implementing climate change mitigation or adaptation actions in and around your home or business? (Select up to 3 of your most significant barriers)

Select between 1 and 3 answers
☐ The cost is too high
☐ Grants and funding options are hard to obtain
☐ There are too many regulatory constraints
☐ There is not enough government support
☐ I do not have enough knowledge and/or ability
☐ I do not have enough time
☐ I do not have direct control (tenant, renting)
☐ There is not enough community support
☐ There is a cultural or language barrier
☐ None. I do not have any barriers that are preventing me from implementing these actions.
☐ Other