CITY OF
PRINCE GEORGE

CLIMATE FORWARD IMPLEMENTATION STRATEGY

PHASE 1: 2021-2025

Sets actionable tasks that realize the objectives identified in the mitigation and adaptation plans to work towards meeting our climate action targets.

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THE CLIMATE ACTION DECADE IN THE COVID ERA

Governments, industry leaders, and scientists all agree that this decade must be a decade of climate action. 2020 has been a rough start with the hard-hitting social and economic impacts of the COVID-19 pandemic to our community. However, many are likening the COVID-19 pandemic to climate change, both in its wide-reaching effects as well as the collective action and commitment that's needed to address it. The COVID-19 pandemic has highlighted that continuing to move forward on climate action is critical to improve our local resilience. Plus, many of the local benefits associated with the actions outlined in the Climate Forward Implementation Strategy align with what we've seen valued during the pandemic in terms of improved use of walking and cycling trails, the importance of protecting natural assets, reduced energy costs, and improved air quality.

The City of Prince George has experienced many economic challenges associated with the COVID-19 pandemic but must acknowledge the importance of moving forward on climate action to improve our community's resilience. The actions in this 5-year implementation strategy were selected with these economic challenges in mind and are intended to be completed within existing capital and operational budgets and/or through grant funding opportunities. Plus, many actions are expected to provide payback and/or revenue to the City.

The Federal and Provincial Government have announced several funding opportunities intended as post-pandemic stimulus for projects related to moving forward on climate action and we don't want to miss out on these opportunities. The Climate Forward Implementation Strategy demonstrates Prince George's efforts to increase resilience and reduce emissions making the City a competitive applicant for these funding opportunities. Prince George has recently been awarded infrastructure investment through government grant funding due to its demonstrated action to climate action initiatives.

Council Chambers

WHAT IS THE CLIMATE FORWARD IMPLEMENTATION STRATEGY?

The Climate Forward Implementation Strategy lays out achievable tasks that can be completed within the next 5 years to move Prince George forward on climate action goals. The goals and objectives were collected from the City's 2020 Climate Change Mitigation Plan, which aims to reduce greenhouse gas emissions (GHGs), the City's Climate Change Adaptation Report, which assists the City for preparing for a changing climate, plus several other City planning documents and operational priorities. In the development of these higher level plans it was noted that a short-term implementation strategy was necessary to outline what tasks would be completed first.

The development of the Climate Forward Implementation Strategy sets the City of Prince George on track to achieve climate targets set by the Provincial and Federal governments alongside every other municipality in Canada. Industrial partners in Prince George have demonstrated that reducing GHGs is a priority and have committed to innovative carbon reduction initiatives. This demonstrates that Prince George is well-suited and prepared for moving forward on climate action.

Consultation with internal City departments determined how climate actions aligned with each Department's current work plans, staff capacity and budgets and to what extent additional budget (ie. grant funding) may be required. The plan provides strategic direction on what is feasible and can be undertaken by the City in the next 5 years, as identified in the stakeholder consultation process.

This document represents Phase 1 of the Climate Forward Implementation Strategy that outlines actions for 2021-2025. The future phases will bring us to 2050 and the achievement of our long-term targets.

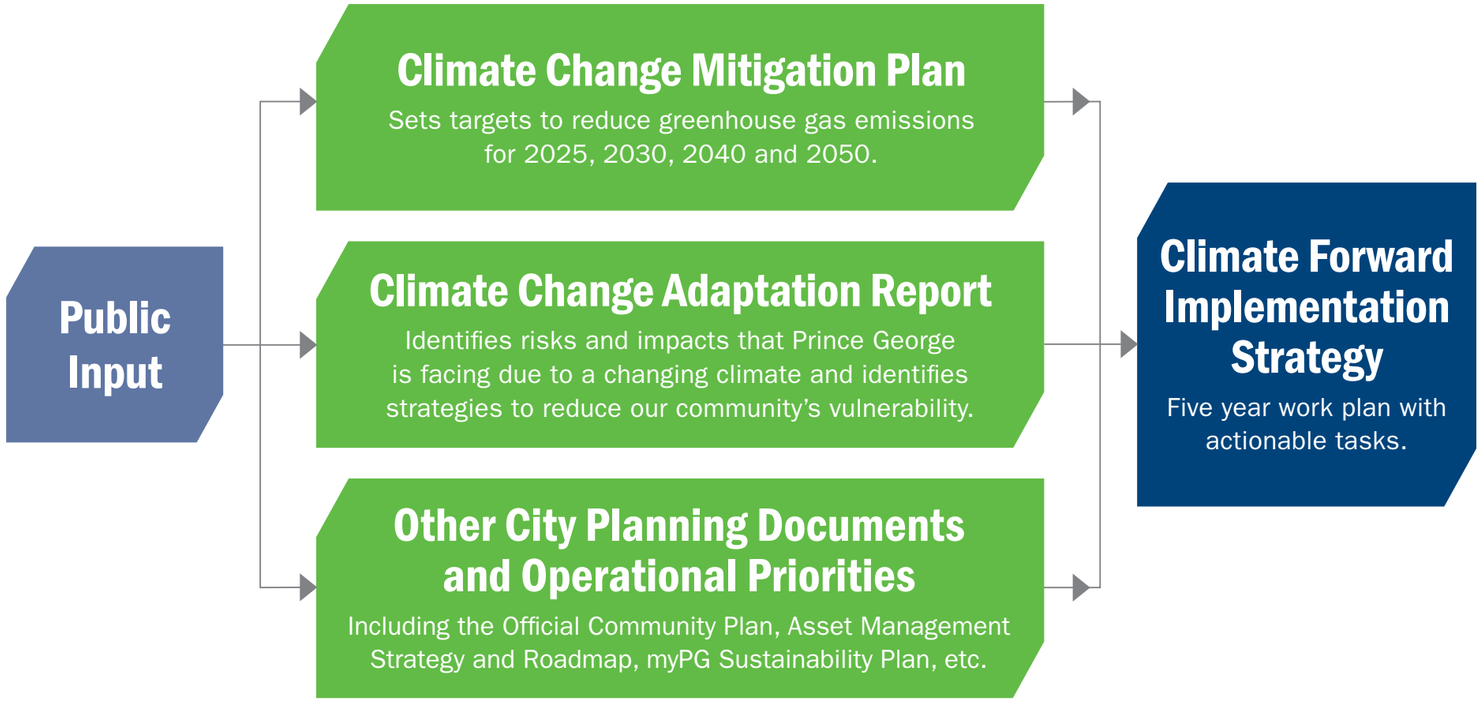


Figure 1: The Climate Change Mitigation Plan, Climate Change Adaptation Report and Other City Planning Documents and Operational Priorities set the objectives and guiding principles of the Climate Forward Implementation Strategy.

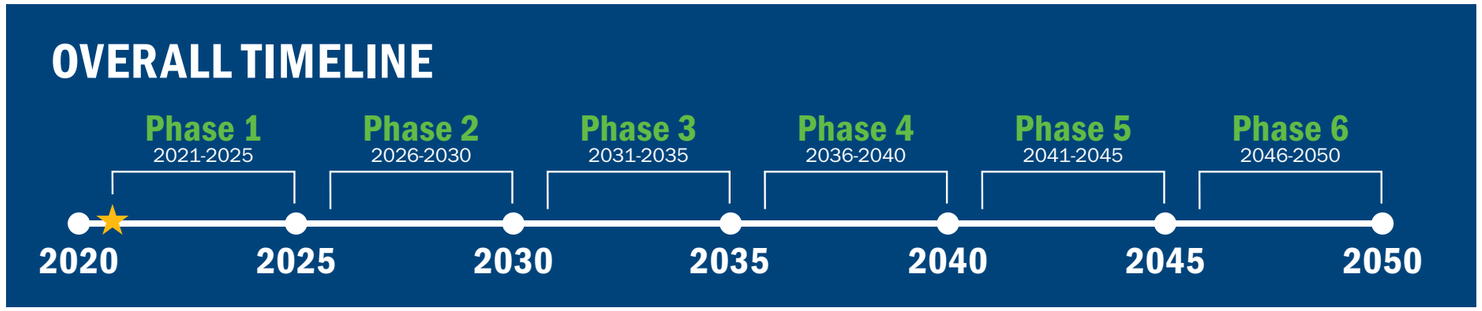


Figure 2: The Climate Forward Implementation Strategy includes multiple phases to reach long-term goals and objectives.

MITIGATION + ADAPTATION = RESILIENCE

The Climate Forward Implementation Strategy focuses on resilience – which means we want to reduce our vulnerability to climate change impacts and corporate and community greenhouse gas (GHG) emissions, while also advancing community priorities in asset management, social health and well-being, and economic development. The Climate Forward Implementation Strategy coordinates and streamlines mitigation and adaptation solutions synchronously, which reduces costs and increases efficiencies while building a better, more resilient community for the future.

The City of Prince George 2020 Climate Change Mitigation Plan and 2020 Climate Change Adaptation Report lay the groundwork for the development of the Climate Forward Implementation Strategy - Phase 1.

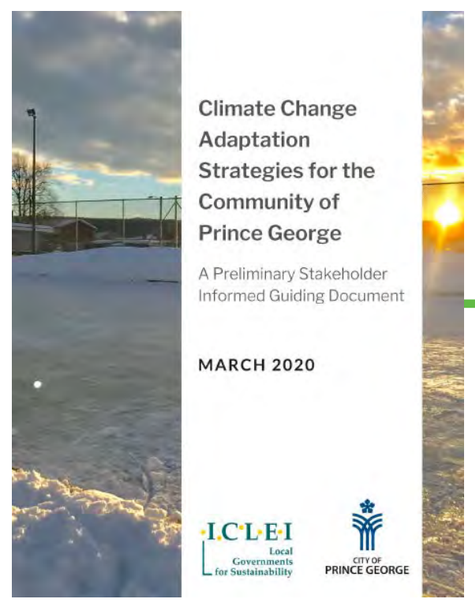
The Climate Forward Implementation Strategy sets "Actionable Tasks" that realize the long-term goals and objectives of these planning documents and move us incrementally towards our long-term climate targets.

MITIGATION

Climate change mitigation focuses on minimizing climate change by reducing sources of greenhouse gas emissions (GHGs), which are primarily caused by the burning of fossil fuels. This includes improving energy efficiency, transitioning to renewable energy sources and reducing our reliance on fossil-fuel powered vehicles.

The City's 2020 Climate Change Mitigation Plan was approved by Council in May 2020 and sets a short-term GHG reduction target of 5% by 2025, and 80% by 2050.

The Mitigation Plan has six (6) focus areas for reducing GHG emissions: transportation, land use, buildings, solid waste, renewable energy and policy/decision making and reporting. These focus areas provide objectives for the Climate Forward Implementation Strategy.



ADAPTATION

Climate change adaptation refers to addressing the impacts facing local economic, social, physical and environmental systems, and identifying strategies to reduce the vulnerabilities associated with changing climate conditions.

The Climate Change Adaptation Strategies for the Community of Prince George was endorsed by Council in February 2021. It contains climate projections to 2080 and identifies priority climate risks that Prince George expects to face due to a changing climate.

Community stakeholders worked together to identify strategies to adapt to expected climate risks which provide objectives for the Climate Forward Implementation Strategy.

WHY WE CARE ABOUT THIS?

Northern B.C. is experiencing an accelerated rate of climate change compared to the global average. Climate change may feel like a problem for the future, however in Prince George we are already experiencing the impacts of climate change. Figure 3 summarizes the climatic changes that Prince George has experienced from 1942 to 2018.

These climatic changes have become increasingly evident over the past decade leading to:

- Warmer winters, leading to rain-on-snow events causing localized flooding in low-lying areas, increased freeze-thaw cycles impacting road infrastructure and to more tree die-off associated with beetle pest infestations;
- Hotter and drier summers, leading to historic wildfire events; and,
- Long winter cold snaps, known as the polar vortex, caused by a weakened jet stream.

Looking to the future, Prince George is likely to see additional warming trends and changes to precipitation patterns as summarized in Figure 3.

Between 2020 and 2050 average temperatures are expected to increase by an additional 2°C, and between 2020 and 2080 average temperatures are projected to increase by approximately 4°C. Precipitation is projected to increase in all seasons, except the summer months where it is projected to decrease. Precipitation events are expected to occur less frequently and become more intense; this is because as the climate warms, more moisture can be held in the atmosphere making storm events with more rain or snowfall per storm.

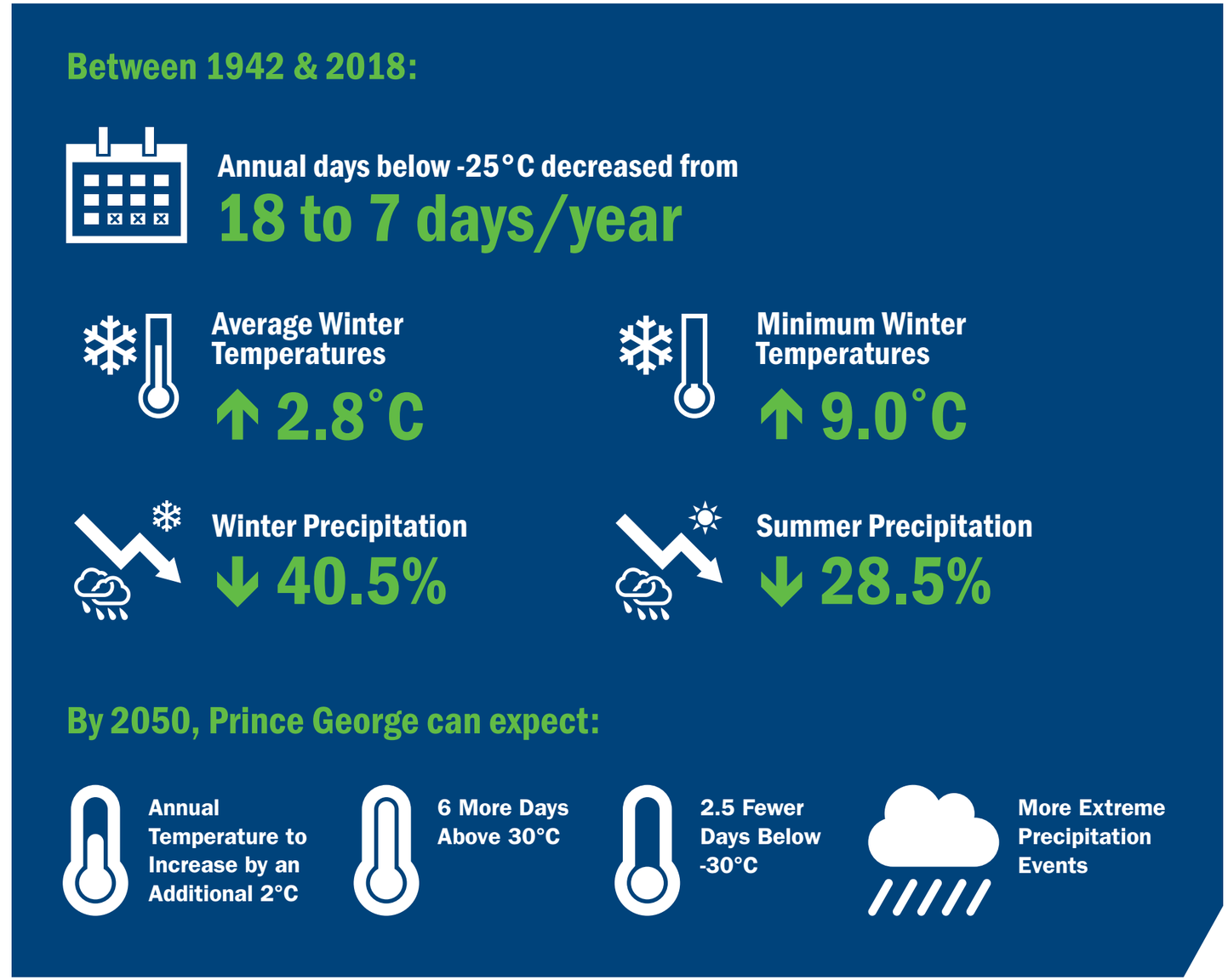


Figure 3: Past and future climatic changes to 2050 for Prince George.

WHAT DO THESE CHANGES MEAN?

Impacts of a changing climate are wide-reaching with implications for infrastructure, the natural environment and public health. The results are expected to have disproportionate impacts on the elderly and those with lower income.

The following physical impacts have already been experienced and can be expected to intensify into the future:

More extreme rainfall events causing:

- Rainfall exceeding the capacity of drainage system and damaging aging infrastructure.
- Property damage, loss of riverfront trails, roads flooding.
- Infiltration and backups of sanitary sewer.

Higher summer temperatures causing:

- Increased wildfire risk.
- Increased irrigation demand.
- Reduced pest die-off of forest pests.

Warmer, wetter winters causing:

- Increased road maintenance.
- Rain on snow events leading to localized flooding.
- Impacts to outdoor recreation.

In addition, climate change is expected to have social, health and economic impacts, such as:

- Increased frequency of traffic accidents, and slips and falls associated with rain on snow, and freeze-thaw events.
- Exacerbation of heart and lung conditions due to increased wildfire smoke and other air quality pollutants associated with hotter, and drier summers.
- Increased energy demands and costs associated with enhanced cooling needs associated with higher summer temperatures.
- Challenges for the forestry industry associated with beetle pest infestations and increased fire activity.

Rainfall exceeding the capacity of the drainage system.

LOCAL BENEFITS OF CLIMATE ACTION

Taking action to reduce greenhouse gas emissions and adapt to climate change has wide-ranging local benefits: enhancing recreation and well-being, reducing City capital and operating costs, attracting investment, protecting ecosystems, and increasing the longevity of our infrastructure.
Here are three examples:

1. Protecting and Renewing our Urban Forests

Nearly two-thirds of Prince George is covered with trees but our forest needs constant attention in order to keep it healthy, reduce the risk of wildfires and erosion, and continue providing diverse recreational, social, and economic benefits. Young, growing trees sequester carbon at a high rate and then store it as mature trees or as wood products. In Prince George, sawmill residues are also used to heat some downtown buildings, offsetting natural gas consumption.

2. Riverfront Parks and Trails

Among Prince George's most-used – and most-loved – assets are its 100+ kilometres of trails, and none are as popular as our riverfront trails. By addressing local greenhouse gas emissions and preserving riverfront riparian vegetation, we are doing what we can to stabilize river flows, enhance bank stability, and preserve a natural experience so critical to our physical and mental well-being. Beyond the social, economic, and environmental benefits, the rivers also serve as the cultural bedrock for the Lheidli T'enneh – literally translated as "people from where the rivers come together."

3. Infrastructure that Mimics Nature

The standard practice has been to install expensive concrete curbs and pipes to manage snowmelt and drainage. But as climate change threatens to unleash more unpredictable weather events, more natural solutions, such as engineered wetlands and stormwater detention ponds, accommodate rainwater and melting snow where it lands. You may find a pond in your neighbourhood that was created to accommodate drainage while also providing a parklike setting that performs an important role for the area by managing run-off instead of letting it go straight into the river.

Riverfront parkland, such as Cottonwood Island Park, provides flood protection, wildlife habitat and recreational benefits.

MOVING FORWARD ON CLIMATE ACTION

The Climate Forward Implementation Strategy provides strategic direction on what is feasible to be undertaken by different departments in the next 5 years, and will be used to inform the Annual Report and Departmental Work Plans in alignment with the City of Prince George Strategic Framework (Figure 4).

The Climate Forward Implementation Strategy is based on the City's overall planning framework which is based on four pillars:

- Social Health and Well-Being
- Climate Action and Environmental Leadership
- Economic Growth and Development
- City Government and Infrastructure

This ensures our actions are integrated and provide maximum benefits throughout the City.

Monitoring Progress

Progress will be evaluated annually by calculating corporate greenhouse gas emissions and measuring updates on each actionable task. Responsible departments will provide updates to the designated coordinator each year and achievements will be reported out through the Annual Report.

Phase 2 of the Climate Action Implementation Strategy will evaluate the progress of Phase 1, and set actionable tasks for 2026 to 2030. This report should be brought to Council by July 1, 2025 to set intentions for the upcoming year's budget priorities.

The following pages outline the actionable tasks to be undertaken over the next 5 years with a Responsible Department current as of the date of writing the implementation strategy. Any restructuring that have responsibility changes to the organizations' functions should consider this strategy and updating responsibility accordingly is suggested to occur with an administrative addendum approved by the City Manager.

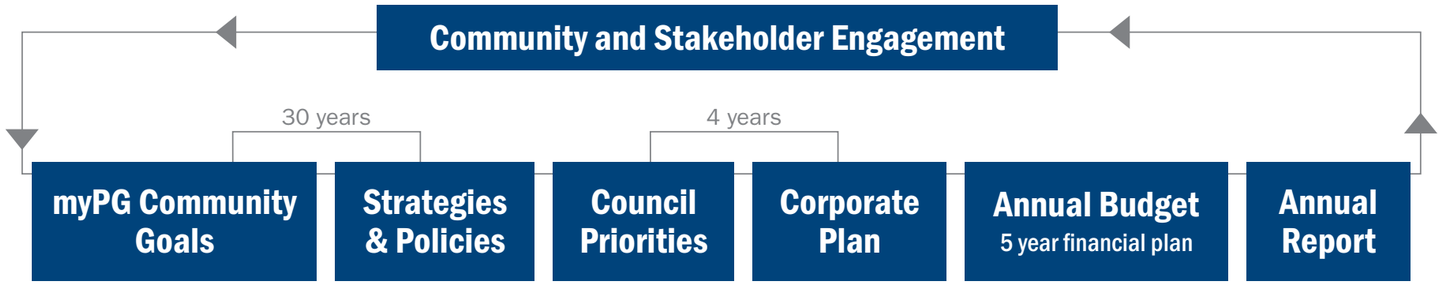


Figure 4: City of Prince George Strategic Framework

There are three guiding principles for the Climate Forward Implementation Strategy which come from the 2020 Climate Change Mitigation Plan, the Climate Change Adaptation Report and the Asset Management Strategy.

Increase Resilience:

- Strengthen infrastructure resilience and reduce risks to buildings and property.
- Protect public health and improve economic resilience.
- Enhance resilience of ecosystems and protect natural areas.

Integrate Climate Forward Thinking into City Operations:

- The City's approach to asset management builds the City's resiliency to climate change and supports its climate change adaptation and mitigation goals.

Reduce Emissions:

- Reduce corporate and community GHG emissions by 5% below 2017 levels by 2025.

SOCIAL HEALTH AND WELL-BEING ACTIONABLE TASKS

CITY OF PRINCE GEORGE

CLIMATE FORWARD IMPLEMENTATION STRATEGY

PHASE 1: 2021-2025

FOCUS AREA: PUBLIC HEALTH AND SAFETY AND EMERGENCY MANAGEMENT

Goal: A robust disaster prevention and emergency management plan is developed by and communicated to the community to account for regional climate projections and embed low carbon prevention strategies into operations across the organization.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Improve planning and engagement around climate related emergencies to reduce disruptions and increase public safety.	Continue seasonal meetings for inter-jurisdictional working group to evaluate local river flooding risks.	Operational	Emergency Programs, Utilities
Reduce climate-related river flooding impacts to residents in at-risk areas.	Communicate to applicants that basements cannot be built in flood prone areas, and the benefits of vegetation in riparian areas.	Operational	Development Services, Development Services - Environment
Reduce community vulnerability to wildfire risk through implementing recommendations identified in Community Wildfire Protection Plan 2018.	Create an inter-jurisdictional working group to discuss issues related to wildfire (ie. Firesmart neighbourhood design, evacuation routes, at-risk areas).	Operational, Grant Funding	Emergency Programs, Development Services, Infrastructure Engineering and Planning, Parks and Solid Waste, Utilities
	Apply wildfire prescriptions to at-risk areas to remove wildfire fuel.	Grant Funding	Development Services - Environment
	Apply for grants to improve knowledge of FireSmart practices for City staff to protect existing infrastructure (ie. parks, utilities, buildings).	Grant Funding	Emergency Program, Utilities, Parks
Raise awareness of the City of Prince George's Emergency Plan and ongoing community-scale emergencies, such as wildfire.	Increase efforts to expand community's uptake of household emergency kits.	Grant Funding	Emergency Programs, External Relations
	Continue to provide information to residents about evacuation routes and muster points and consider organizing an annual public messaging campaign.	Operational	Emergency Programs, External Relations

FOCUS AREA: PUBLIC HEALTH AND SAFETY AND EMERGENCY MANAGEMENT

Goal: Enhance equity, inclusion, community health, and wellbeing.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Develop policies and programs to prioritize human health and well-being under changing climate conditions.	Continue to improve policies to protect outdoor workers from extreme weather events and poor air quality.	Operational	Human Resources – Safety, Parks and Solid Waste, Roads and Fleet
	Continue to stagger start times for outdoor works to mitigate impacts of heat on staff.	Operational	Human Resources – Safety, Parks and Solid Waste, Roads and Fleet
	Plant new trees strategically near park infrastructure to promote shade.	Capital, Grant Funding	Parks and Solid Waste
Investigate opportunities to provide community grants related to low carbon resilience.	Consider expanding myPG grant criteria to highlight connection to climate action.	Operational	Strategic Initiatives and Partnerships

Goal: Residents, growers and governments work together to improve food self-sufficiency, poverty reduction and resilience across the city and region by providing infrastructure for agricultural variability and opportunities for local food production while encouraging low carbon growing methods.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Support local food production to enhance food security and reduce food transportation emissions.	Continue to support local food production by providing space for farmer's markets and community gardens.	Operational, Grant Funding	Parks and Solid Waste, Facilities Maintenance
	Investigate new opportunities for local food production and community garden infrastructure, i.e., Ron Brent.	Grant Funding	Strategic Initiatives and Partnerships

FOCUS AREA: PUBLIC HEALTH AND SAFETY AND EMERGENCY MANAGEMENT

Goal: Reduce GHG emissions to improve air quality and minimize the impacts of pollution.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Continue to support PGAIR's initiatives that seek to reduce greenhouse gas emissions and improve air quality.	Participate in PGAIR Strategic Planning process to ensure that initiatives align with City GHG reduction targets.	Operational	Development Services - Environment
Enforce annual anti-idling campaign.	Continue to monitor idling in fleet vehicles and talk with staff about idling.	Operational	Roads and Fleet
	Undertake Anti-Idling Campaign for City staff.	Operational	Roads and Fleet, Development Services - Environment
Develop an EV strategy to increase community-wide uptake of low carbon vehicles.	Completion of UBC Sustainability Scholars Program project "Support the development of an Electric Vehicle Strategy for the City of Prince George, BC."	Grant Funding	Development Services - Environment
	Installation of 10 EV Chargers at City-owned buildings through the Charge North program.	Grant Funding	Development Services – Environment, Transportation and Technical Services

CLIMATE ACTION AND ENVIRONMENTAL LEADERSHIP ACTIONABLE TASKS

CITY OF PRINCE GEORGE

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FOCUS AREA: NATURAL ENVIRONMENT

Goal: Expand the protection of natural assets and use of green infrastructure to manage climate change impacts, reduce emissions, and improve biodiversity and human health.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Preserve existing natural areas, including forests and wetlands to protect wildlife habitat and improve stormwater infiltration, protect slope stability and preserve water quality.	Complete Natural Asset Inventory and Valuation and include natural asset management plans within Water, Sewer and Stormwater Asset Management Plans.	Operational and Grant Funding	Asset Management
	Create an Environmental/Natural Asset Development Permit Area that compiles current Riparian, Groundwater and Wildfire Development Permit Areas (DPAs) and expand to include additional natural asset values (ie. stormwater management and recharge, flood mitigation, slope and erosion protection, environmentally sensitive areas).	Operational	Development Services
Promote and expand the use of green infrastructure and nature-based solutions for stormwater management.	Increase internal understanding of green infrastructure and dedicate staff to stormwater management.	Operational	Utilities, Asset Management, Development Services
	Develop a Policy/Procedure to identify criteria for tree removal in parks/greenspace/right-of-ways.	Operational	Parks and Solid Waste
	Integrate green infrastructure standards into Development Standards for developers.	Operational	Asset Management, Infrastructure Planning and Engineering, Development Services

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FOCUS AREA: NATURAL ENVIRONMENT

Goal: Expand the protection of natural assets and use of green infrastructure to manage climate change impacts, reduce emissions, and improve biodiversity and human health.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Protect and enhance riparian zones through better protection of river and creek shorelines to better manage stormwater runoff and improve stream health.	Dedicate resources to Spill Response team that responds to spills and is specialized in spill cleanup procedures.	Operational	Utilities
	Update Subdivision Servicing Bylaw (and/or other municipal legislation) to include clearer requirements on erosion and sediment control, lot grading and tree retention.	Operational	Development Services
	Include vegetation survivability requirements in Subdivision Servicing Bylaw or Development Guidelines.	Operational	Development Services
	Continue to expand riverfront parkspace and projects.	Capital/Grant Funding	Parks and Solid Waste, Infrastructure Planning and Engineering
	Rezone City-owned riverfront parcels to P1 to ensure parkland is reserved for flood protection, recreational activities and environmental sensitivities.	Operational	Infrastructure Planning and Engineering, Development Services, Parks and Solid Waste
	Develop an updated educational circular on the importance of Riparian Protection Development Permit (RPDP) areas.	Operational	Development Services - Environment
Assess slope stability and erosion hazards and implement slope stabilization practices as required.	Continue to monitor and track erosion hazards and assess if risk is growing in known areas.	Operational	Utilities, Infrastructure Planning and Engineering
	Update Significant Slope DP areas to consider future climate projections in slope stability assessments, and set requirements for revegetation.	Operational	Development Services

FOCUS AREA: NATURAL ENVIRONMENT

Goal: Implement water conservation measures to reduce operational emissions and increase water security, and improve water quality to enhance ecosystem health and community resilience.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Continue implementation of recommendations identified in 2016 Water Conservation Plan to reduce corporate and community water usage.	Improve tracking of corporate water use for City operations.	Operational	Utilities, Roads and Fleet, Parks and Solid Waste
	Improve Sentinel software to optimize water use and ensure that irrigation is happening at most optimal time.	Operational	Parks and Solid Waste
	Apply for grants to make upgrades to Sentinel systems to improve water use, and expand efficiencies for irrigation in areas not connected to Sentinel.	Grant Funding	Parks and Solid Waste
	Continue to look into options for retrofitting the Lheidli T'enneh Memorial Park spray park to a water reuse system.	Grant Funding	Parks and Solid Waste, Development Services – Environment, Infrastructure Planning and Engineering
Monitor water quality and stream health in urban creeks.	Consider undertaking an urban stream monitoring and maintenance program.	Operational	Utilities
	Implement Receiving Environment Monitoring Program at Lansdowne Wastewater Treatment Centre.	Operational	Utilities
	Expand and identify a catchbasin cleanout program.	Operational	Utilities

FOCUS AREA:
NATURAL ENVIRONMENT

Goal: Increase understanding of climate change impacts on the local ecosystem and the interconnections of ecosystem services and human wellbeing.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Increase awareness of groundwater aquifer drinking water source.	Finalize Groundwater At Risk of Pathogens Report (GARP).	Operational	Utilities
	Develop information oriented towards the public for groundwater protection areas, such as interpretive signage in riverfront parks.	Operational	Utilities, External Relations, Development Services - Environment
Increase public knowledge of ecosystems; specifically the value of ecosystem services and managing invasive species.	Develop information about natural assets that is oriented to the public.	Grant Funding	Asset Management, Development Services - Environment
	Improve internal soil movement and sediment management practices through education to relevant staff.	Operational	Utilities, Development Services

FOCUS AREA:
RENEWABLE ENERGY

Goal: Maintain and expand local renewable energy production to reduce fossil fuel emissions, improve energy security, support local industry, keep energy dollars local, and reduce vulnerability to disruption in extreme weather events.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Develop Downtown Renewable Energy System (DRES) Strategy to identify municipal connection opportunities and increase opportunities for supply and demand of renewable energy options in municipal buildings.	Develop DRES Strategy to identify new connections and expansions and increase public awareness.	Operational	Utilities
	Assess feasibility of partnership with FortisBC to utilize biogas from the WWTC as a renewable natural gas.	Grant Funding	Utilities

ECONOMIC GROWTH AND DEVELOPMENT ACTIONABLE TASKS

CITY OF PRINCE GEORGE

CLIMATE FORWARD IMPLEMENTATION STRATEGY

PHASE 1: 2021-2025

Goal: Promote higher buildings standards to improve the resiliency and efficiency of buildings and facilities by considering short and long-term climate impacts and emissions reductions opportunities.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Engage with the building community on the BC Energy Step Code and plan for the Provincial implementation of the BC Energy Step Code.	Provide update to Council on feedback from building community on BC Energy Step Code and report to Province on consultation results.	Operational	Development Services
	Add energy and blower door test requirements to the Building Permit process.	Operational	Development Services
	Work with Canadian Home Builders Association on communication with development community on requirements under the BC Energy Step Code and continue supporting capacity-building opportunities for building industry professionals.	Operational	Development Services
Conduct energy audits of existing City-owned facilities and infrastructure, and implement energy efficiency improvements and assess and reduce the impacts of extreme weather on City-owned or leased buildings.	Include projected climate impacts in Asset Management building assessments.	Capital	Asset Management
	Continue to convert City owned streetlights to LED when up for replacement.	Operational	Utilities, Transportation and Technical Services
	Conduct energy audits of server rooms, IT energy use and personal electronics energy use.	Operational/Grant Funding	IT Services, Development Services - Environment
	Track energy audits through BUILDER.	Operational	Asset Management, Facilities Maintenance
	Work with BC Hydro/Fortis BC/etc on grant opportunities to implement recommended energy upgrades.	Grant Funding	Facilities Maintenance, Utilities, IT Services, Development Services - Environment

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FOCUS AREA: BUILDINGS

Goal: Promote higher buildings standards to improve the resiliency and efficiency of buildings and facilities by considering short and long-term climate impacts and emissions reductions opportunities.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Implement energy management practices into building maintenance procedures and utilize energy management tracking and information system for City buildings and infrastructure.	Increase internal capacity on energy management and revitalize energy tracking contract to include energy management oversite.	Operational/Grant Funding	Facilities Maintenance, Development Services – Environment, Utilities
	Assist with tracking maintenance programs and requiring energy management practices in inspections through Cityworks.	Operational	Asset Management, Facilities Maintenance, Utilities
	Improve efficiencies in water system to reduce energy use and expand the use of VFD/PRVs.	Capital	Utilities

FOCUS AREA: TRANSPORTATION AND LAND USE ACTIONS

Goal: Expand opportunities for active transportation to provide alternative mobility networks that reduce emissions and build community health and resilience.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Expand efforts on planning and implementation of pedestrian and cycling infrastructure to prioritize and implement safe and reliable active transportation options into street design.	Determine roles and priorities regarding active transportation and if the current Active Transportation Plan needs to be updated, implemented into OCP update or refer to the Provincial Plan.	Operational	Transportation and Technical Services, Infrastructure Planning and Engineering, Development Services
	Work with the Ministry of Transportation and Infrastructure (MOTI) on planning cycling connectivity from downtown to the Hart.	Operational	Transportation and Technical Services, Infrastructure Planning and Engineering
	Perform gap analysis on pedestrian and cycling infrastructure	Operational	Transportation and Technical Services
	Prepare list of shelf-ready priority cycling areas to put forward for grant funding opportunities.	Operational/Grant Funding	Transportation and Technical Services, Infrastructure Planning and Engineering

FOCUS AREA: TRANSPORTATION AND LAND USE ACTIONS

Goal: Manage growth by coordinating land use and transportation planning to create a compact, complete, resilient and low carbon community for people to live, work and play.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Amend parking requirements to require bike parking and EV charging stations.	Update parking requirements in Zoning Bylaw to require EV-ready charging stations.	Operational	Development Services
	Consider amending development guidelines to reduce vehicle parking requirements for multi-family.	Operational	Development Services
	Poll multi-family developments to see if they are putting in EV/EV ready charging in parking garages.	Operational	Development Services
Continue to encourage the development of a complete, compact community advancing best practice measures.	Continue to support infill development and advance prioritized infill and growth priority development areas through financial mechanisms when possible.	Operational	Development Services
	Update the subdivision servicing bylaw to allow alternative design standards such as LED streetlights, and green infrastructure.	Operational	Infrastructure Planning and Engineering, Asset Management
	Determine how the CLIC tool can be utilized for City infrastructure decisions, including maintenance costs Ie. Stormwater ponds.	Operational	Infrastructure Planning and Engineering, Development Services
	Consider new incentive program to replace downtown tax exemption that is sunsetting.	Operational	Development Services
Implement recommendations identified in BC Transit in Transit Future Plan.	Continue to implement scheduling and routing efficiencies for transit systems.	Operational	Transportation and Technical Services
	Outline agreement with BC Transit as to what is expected of the City for BC Transit to convert transit fleet to low carbon fuels.	Operational	Transportation and Technical Services

CITY GOVERNMENT AND INFRASTRUCTURE ACTIONABLE TASKS

CITY OF PRINCE GEORGE

CLIMATE FORWARD IMPLEMENTATION STRATEGY

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FOCUS AREA: BUDGET AND GOVERNANCE

Goal: Expand capacity and resourcing to deliver climate-ready municipal operations and services.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Consider appropriate resourcing (financial and capacity) for realizing climate action goals and priorities.	Evaluate options for a funding source for stormwater maintenance and upgrades.	Capital	Utilities, Finance, Infrastructure Planning & Engineering, Council
	Increase energy management capacity.	Grant Funding	Facilities Maintenance, Utilities, Development Services - Environment
Formalize assignment of the CARIP grant into an energy and greenhouse gas emissions reduction fund that can support municipal and community projects.	Create CARIP Reserve Fund to ensure account is utilized for climate-related projects.	Operational	Finance, Development Services – Environment, Infrastructure Planning and Engineering, Asset Management
Update current Sustainable Procurement Policy guidelines.	Perform review of Sustainable Procurement Policy Guidelines from other BC municipalities and apply for grant opportunities to develop updated Policy guidelines (ie. UBC Sustainability Scholars).	Grant Funding	Development Services – Environment

FOCUS AREA: BUDGET AND GOVERNANCE

Goal: Develop and implement corporate and staff focused initiatives that reduce corporate emissions and vulnerability to climate change impacts.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Explore and implement online digital options for office functions.	Consider continuing to offer flexible working from home options following COVID-19 pandemic.	Operational	Human Resources, IT Services
	Process T4s and invoices, as well as engineered drawings online.	Operational	IT Services, Finance, Development Services
Continue to run staff behavioural initiatives and campaigns to encourage energy efficiency practices in the workplace.	Undertake behavioral campaigns with internal staff to reduce energy use. Examples include: • Printing reduction campaign • Energy Vampires campaign • Weekend Shut Down campaign	Operational, Grant Funding	IT Services, Development Services - Environment
	Develop and distribute sustainability content as part of onboarding for new staff, and consider including environmental orientation for new exempt staff as part of passport program.	Operational, Grant Funding	Human Resources, Development Services - Environment
Encourage City staff to walk or cycle to work beyond Bike to Work Week.	Consider expanding walking and cycling to work week as part of Wellable Campaign and incentivize with a free day off.	Operational	Human Resources

FOCUS AREA: BUDGET AND GOVERNANCE

Goal: Implement and monitor climate actions across the organization to track progress toward emission reductions and resilience targets.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Review and Update Climate Change Action Plan every 5 to 10 years to ensure targets and actions are on-track and align with leading practices.	Plan for an emissions inventory update for 2025 to include in Phase 2 of Climate Forward Work Plan for 2026.	Operational	Development Services - Environment
Update methodology for calculating corporate GHG emissions.	Update methodology to ensure accurate GHG calculations.	Operational	Development Services - Environment

Goal: Improve engagement with stakeholders and the public around climate issues and planning to improve community resilience and build support for integrated climate action.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Integrate climate change language across Prince George's existing plans and policies, in annual messaging, and report on climate action in the City's Annual Report, to FCM at regular intervals, and incorporate actions/ measures into public information materials.	Include climate projections and responses in new plans, ie. Adaptation for stormwater, reduce emissions through access to transit, infill, active transportation.	Operational	All Departments
	Link safety, environment and resilience in policies and processes.	Operational	Human Resources
	Include climate action priorities in External Relations annual messaging priorities.	Operational	External Relations, Development Services - Environment
	Prepare a communication strategy for climate action topics.	Operational	External Relations, Development Services - Environment

FOCUS AREA: STORMWATER INFRASTRUCTURE

Goal: Use climate projections and risk and vulnerability data to develop strategies for managing flooding and stormwater in the region, minimizing property damage and costs, and avoiding recovery emissions associated with disaster/extreme weather events.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Improve the resilience of stormwater infrastructure to accommodate increased precipitation and extreme weather events.	Implement recommendations made in the Integrated Stormwater Management Plan.	Capital, Operational, Grant Funding	Asset Management, Utilities, Infrastructure Planning and Engineering
	Develop culvert prioritization strategy.	Operational	Transportation and Technical Services, Roads and Fleet, Utilities, Infrastructure Planning and Engineering, Asset Management
	Look into a Development Standard for Stormwater Management to direct developers to build stormwater infrastructure to a standard that can be maintained.	Operational	Infrastructure Planning and Engineering, Development Services, Utilities, Asset Management
	Seal sanitary manholes to prevent infiltration of rainwater and surface water.	Capital	Utilities

FOCUS AREA: TRANSPORTATION AND LAND USE

Goal: Advance electrification of City fleet for emissions reductions and long term reliability and cost savings.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Analyse fleet fuel consumption data semi-annually and implement efficiency opportunities.	Continue to find ways to reduce fuel usage.	Operational	Roads and Fleet
Conduct and implement a green fleet study including phased implementation schedule.	Continue to review functionality of vehicles when up for replacement and where applicable hybrid and electric will be strongly considered.	Operational	Roads and Fleet
Continue to phase out light duty diesel trucks and replace with high efficiency gasoline models, and consider hybrid and electric options for all light-duty fleet when appropriate for use.	Investigate low-carbon fuel options for fleet as appropriate.	Operational	Roads and Fleet

Goal: Ensure all new transportation infrastructure projects are future-oriented and designed to minimize emissions and climate related risk.

OBJECTIVE	ACTIONABLE TASK	FUNDING SOURCE	RESPONSIBLE DEPARTMENT(S)
Evaluate opportunities to improve road design and maintenance procedures to accommodate increased impact of freeze-thaw conditions.	Provide comments on road design and drainage standards in Design Guidelines update related to a changing climate. Focus on catchbasins and drainage in design guidelines update. Design for 1-in-100 year events and focus on recharge chambers and downstream capacity.	Operational	Transportation and Technical Services, Utilities, Infrastructure Planning and Engineering
Improve winter travel conditions and maintain road safety for all road users.	Increase network of weather stations around City and continue to fine-tune anti-icing, de-icing and road clearing procedures.	Operational	Roads and Fleet
	Review snow removal procedures to accommodate drainage.	Operational	Roads and Fleet

CITY OF
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