



PART 2: REPORT CARDS

The Report Cards provide progress updates and scores for actions and targets in the *LEC Plan* and *Corporate Climate Adaptation Strategy*. The following information is provided:

Action # and Action: direct reference to either the *LEC Plan* or *Adaptation Strategy*.

Start Date: indicates when the action needs to start by (as reported in the *LEC Plan* and *Adaptation Strategy*).

Responsible Department: Department leading work on the Action or Initiative.

Target Indicator: from the *LEC Plan* Milestone Targets that were established for each Action. Many of these are measurable and timebound. No target indicators exist in the *Adaptation Strategy*.

Other Indicators Being Considered: additional indicators to better assess the progress (or lack of progress) on the action/targets in the *LEC Plan* that are either being measured now or could be measured (not in the *Adaptation Report Card*).

Performance (against target): measurable performance towards the Target Indicators. TBD means data is not currently available. Undefined means the target is not defined in measurable terms.

Progress Update: a narrative update on what progress is being made, including rationale and plans for the next period.

Budget: indicates the capital and operating funds assigned to work on this action in the specified budget cycle. Some projects that began before 2020 may still be ongoing, but no new budget is shown. In other cases, the work was included within another project and not shown. The budget also includes any external funding that the City received.

Progress Score: Actions follow four phases before being completed. Progress scores for the *LEC Plan* and *Adaptation Strategy* are based on what phase the action is in and the colour indicates whether the action is on-track or behind-schedule.

LEGEND

Phase/Timing Alignment	Description
Not started ○○○○○	Work has not started
Initiated ●○○○○	Scoping/business case work is underway to seek funding
Development ●●○○○	Capital funding is approved, research/study/feasibility/design/pilot work is underway to plan implementation
Implementation ●●●○○	Implementation work is underway
Operations ●●●●○	Sustained operating funding is approved for all activities required to meet the target/initiative, program/infrastructure/equipment is operating to meet the target/initiative
Complete ●●●●●	Target/initiative has been achieved
	Work is proceeding, or ahead of the LEC/Adaptation timeframe
	Work is behind the LEC/Adaptation timeframe
	Work is not scheduled to begin in the LEC/Adaptation timeframe



2.2 CLIMATE ADAPTATION REPORT CARD

Decision Making

Action	Initiative	Start Date (planned)	Responsible Department
A. Document a process to support the consideration of adaptation for all new projects, programs, and assets in a reliable and consistent manner.	A01. Create administrative procedure and standard work documents to support the consideration of climate change projections, positive and negative risk to operations, and resiliency options creation as part of the implementation of the Triple Bottom Line Policy.	2020-2021	Sustainability - Climate
	A02. Create internal training sessions that can be delivered on demand to support workgroups as they build climate change impact understanding and adaptation innovation capacity.	2020-2021	Sustainability - Climate
	A03. Create internal processes and a dashboard for climate adaptation strategy key performance indicator tracking. Create a digital historical and future climate data hub to support reliable internal use and updating.	2020-2021	Sustainability - Climate
B. Explore and document existing municipal, provincial, federal, and international mechanisms for financing resiliency building that look beyond mill-rate increases and capital expenditure.	B04. Create and maintain a list of existing programs that fund resiliency building projects (include application process and requirements).	2020-2021	Sustainability - Climate
C. Look to partners across departments to support and integrate resilience planning into current and future work.	C05. Review major upcoming projects (such as Bus Rapid Transit, Saskatoon Forestry Farm Park & Zoo Master Plan, Winter City Strategy, the new central library, and downtown arena) that may be good candidates for piloting resiliency building options.	2020-2021	Technical Services
	C06. Continue to work with Planning and Development to review current land use, zoning, and urban/regional design practices to ensure current requirements provide adequate flexibility to support resiliency building.	2020-2021	Planning and Development
D. Continue to develop relationships with external organizations that produce high quality historical and future climate data for use in data-driven decision-making.	D07. Work with external partners to define ways to visualize climate change projection data to improve corporate impact and risk assessment discussions, inform user-driven science, and aid in public education campaigns.	2020-2021	Sustainability - Climate

Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
An Equity Toolkit, new TBL Improvement Tool and website resource were created as how-to guides for City staff applying the TBL Policy. Operating funding for the TBL was not approved during the 2022/2023 budget.	\$260	\$60	Implementation ●●●●○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	\$165 (operating)	Not started ○●●●○
The City's Environmental Dashboard was updated and an indicator for climate adaptation status was added. Sustained funding approved for climate adaptation implementation beginning in 2023.	\$0	<see A02>	Implementation ●●●●○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○●●●○
Triple Bottom Line assessments were used to consider climate adaptation improvements to over 60 projects in 2021. Green Pathways and the Urban Forestry Management Plan are both plans that use green infrastructure to adapt to climate change and will guide future work. Operating funding for the TBL was not approved during the 2022/2023 budget.	<see A01>	<see A01>	Implementation ●●●●○
Updates to the Zoning Bylaw continue throughout 2022 with the final update package planned for 2023. Additional updates to support resiliency have not yet been identified.	\$750	\$400	Implementation ●●●●○
Study completed in partnership with the University of Saskatchewan and Concordia University to assess how rainfall in Saskatoon has changed and how greater rainfall risk due to climate change can be used to update design standards (see K27).	\$0	<see A02>	Implementation ●●●●○

Staff



Action	Initiative	Start Date (planned)	Responsible Department
E. Begin proactive discussions with outdoor staff, labour units, and leadership on climate change impacts, risk to current operations, and potential adaptive strategies.	E08. Review and inventory all job descriptions and collective bargaining agreements of workgroups with outdoor staff to identify existing language and requirements regarding work in hot/cold conditions.	2022-2025	Occupational Health and Safety
	E09. Conduct a staff safety and productivity assessment of outdoor activities under extreme heat and extreme cold in order to define potential thresholds where non-essential services are stopped until favourable climate conditions return.	2026-2029	Occupational Health and Safety
	E10. Create a list of alternative tasks that could be completed by outdoor staff during extreme temperatures to increase employee safety and minimize negative salary impacts of non-essential work stoppages.	2026-2029	Occupational Health and Safety
	E11. Ensure pest preparedness and extreme heat/cold internal safety training and processes consider the diversity of the City's workforce.	2026-2029	Occupational Health and Safety
	E12. Explore and define alternative scheduling options to reduce the exposure of outdoor staff to the "hottest hours of the day" based on learnings and practices in other municipalities where extreme heat is prevalent.	2026-2029	Occupational Health and Safety
	E13. Discuss current seasonal hiring practices with outdoor staff to meet the needs of more variable seasonal transitions and a potentially longer summer season.	2026-2029	Occupational Health and Safety
	F. Define pilot project opportunities for extreme heat/cold management and pest preparedness through new equipment procurement.	F14. Work with outdoor staff to explore potential pilot projects for extreme heat and cold management and pest preparedness equipment. Examples could include lawn mower canopies, pop-up shade tents, and mosquito netting.	2026-2029

Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○
No progress. Initiation to begin in 2023 as operating funding approved for climate adaptation implementation.	\$0	<see A02>	Not started ○○○○○



Services

Action	Initiative	Start Date (planned)	Responsible Department
G. Continue discussions to define points that trigger a change in service level and/or require public communication.	G15. Define worst-case climate change scenarios and graduated administrative responses with core service providers, including water, electricity, waste management, transit, parks management, recreation, and mobility management.	2022-2025	Saskatoon Fire - Emergency Management Organization
	G16. Proactively define communication tools, key messaging, and delivery mechanisms to rapidly inform residents, businesses, and organizations of service level changes required due to administrative responses to extreme heat/cold/wind, intense summer/winter storms, prolonged drought, increasing pest populations, and intense precipitation events.	2022-2025	Communications & Public Engagement
	G17. Define options to increase flexibility in seasonal equipment turnover practices to improve readiness for highly variable weather and emergencies.	2026-2029	Roadways, Fleet and Support
	G18. Explore opportunities to use cross-training and/or temporary staff reassignments, mutual aid agreements and/or private-sector contractors, when appropriate, to add capacity to post-weather event administrative responses as part of emergency management and service continuity.	2022-2025	Saskatoon Fire - Emergency Management Organization
	G19. Engage with the Water Security Agency to better understand Gardiner Dam operating procedures in order to clearly define resiliency needs. Identify and analyze other water security risks.	2022-2025	Saskatoon Water

Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
Updating of the Municipal Emergency Management Plan was paused during COVID-19 and has been re-initiated in 2022 with a draft going to engagement with critical stakeholders. Funding approved for development of an emergency waste strategy in 2023.	\$0	\$80	Implementation ●●●●○
A Crisis Communication Plan was prepared that defines a process for informing staff, external partners, and residents during emergencies and works in conjunction with the Municipal Emergency Response Plan. The City of Saskatoon uses notifynow as a mass notification system for the residents of Saskatoon in the event of a public safety event requiring residents to take action for their own safety.	\$25 (operating)	\$0	Implementation ●●●●○
Fleet Services added staff resources and prepared a proposal for an Apprenticeship Program to increase reserve staffing, both to improve seasonal equipment switch-over service.	\$0	\$0	Implementation ●●●●○
Council approved the Roadways Emergency Response Plan for extreme snow events. It provides for extra staffing and contractor resources in response to snow falls >25 cm.	<see G15>	<see G15>	Implementation ●●●●○
Saskatoon Water met with Gardiner Dam representatives to discuss Lake Diefenbaker Irrigation Projects.	\$0	\$0	Initiated ●○○○○



Services (Continued)

Action	Initiative	Start Date (planned)	Responsible Department
H. Continue work with internal staff and external partners to improve evacuation processes.	H20. Continue to work with the Provincial Emergency Social Services Committee, City stakeholders, external partners, and at-risk communities to define efficient, culturally appropriate evacuation processes and suitable temporary housing locations that balance the needs of those in unsafe situations with the needs of Saskatoon residents.	2020-2021	Saskatoon Fire - Emergency Management Organization
I. Engage with internal staff to better understand how community needs may be impacted by climate change.	I21. Analyze the affordability of corporate utilities from a social-equity lens and define options to improve affordability.	2026-2029	Saskatoon Water, Saskatoon Light and Power, Water and Waste Operations
I. Engage with internal staff to better understand how community needs may be impacted by climate change.	I22. Identify potential new services or changing service levels required due to exacerbated social inequities.	2026-2029	Saskatoon Transit, Recreation and Community Development - Community Development
	I23. Analyze the impacts of "climate refugee" migration to Saskatoon on population growth and service demand.	2022-2025	Planning and Development

Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
Adjustments were made to the City's evacuation process in response to unplanned Provincial changes. A support process was developed for individuals living in unsafe outdoor locations (implementation in 2022).	<see G15>	<see G15>	Operations ●●●●○
Council directed the development of a variable-rate garbage collection utility. A Water Conservation Strategy is under development (includes affordability actions).	<see LEC Action 25>	<see LEC Action 25>	Development ●●●●○
The Home Energy Loan Program launched. The Energy Assistance Program and Healthy Yards continue to operate, Public engagement on Saskatoon Transit's Fare Strategy was postponed due to COVID-19 (future date to be determined).	<see LEC Actions 10, 26>	<see LEC Actions 10, 26>	Development ●●●●○
No progress.	\$0	\$0	Not started ○○○○○



Assets

Action	Initiative	Start Date (planned)	Responsible Department
K. Integrate climate risk consideration and resiliency building options in the development of the Corporate Asset Management Program.	K24. Develop and document processes that allow future climate projections to be considered in the design of new and upgraded corporate assets.	2020-2021	Organizational Strategy Execution
	K25. Review all corporate design/ construction standards and building code requirements against projected climate change in order to identify and inventory areas where future conditions could surpass current thresholds.	2022-2025	Construction and Design, Facilities Management, Parks
	K26. Network and share information with other municipalities that will likely experience Saskatoon's projected climate conditions.	2020-2021	Sustainability - Climate
	K27. Continue to participate in Saskatoon Water's design curve update project to inform climate projection and risk management through asset design.	2020-2021	Saskatoon Water
L. Support increased integration of green infrastructure into all available aspects of urban development and through implementation of the Green Infrastructure Strategy and Urban Forestry Management Plan.	L28. Support increased use of drought- and pest-resistant and native plant species to reduce watering requirements, pest impact and improve biodiversity.	2022-2025	Parks
	L29. Support increased soil and mulch/ compost cover in planted areas to improve storm water retention and enhance plant viability.	2022-2025	Parks
	L30. Define opportunities to expand and diversify local food production to improve biodiversity and reduce reliance on distant food producing areas also facing significant climate risk.	2022-2025	Recreation and Community Development, Sustainability - Community Leadership

Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
No progress. Updates to the City's new Enterprise Asset Management System are planned after it launches in 2022.	\$0	\$0	Not started ●●●●●
Contract awarded for condition assessments of civic buildings. Assessments of one quarter of buildings in-progress. Facilities is documenting design/ construction standards. The first two phases are standards related to arc flash safety and standards based on leveraging the work done in the Energy Performance Contract Project. Additional phases will be added in 2023.	\$0	\$1,038 ⁹	Development ●●●●●
No progress. Operating funding approved for staff to begin work in 2023.	\$0	\$0	Not started ●●●●●
Work with partner universities concluded. Analysis and modelling work is planned to inform updates to design standards.	\$0	\$0	Implementation ●●●●●
The Urban Forestry Management Plan was received by Council. An implementation plan and updates to the Park Development Standards are under development.	\$0	\$0	Development ●●●●●
Parks utilized -1,200 m ³ of compost in city parks and sports fields. The public Dig-Your-Own compost and mulch program and donations to schools and community gardens from the City's compost depot continued.	\$0	\$0	Implementation ●●●●●
Funding was approved for renewal of the Victoria Park Recreation Facility (programming will include food production and an urban agriculture program). Funding was approved for a sustainable food pilot beginning in 2023.	\$0	\$430	Development ●●●●●

⁹ Estimated Project costs provided by Facilities Management.