



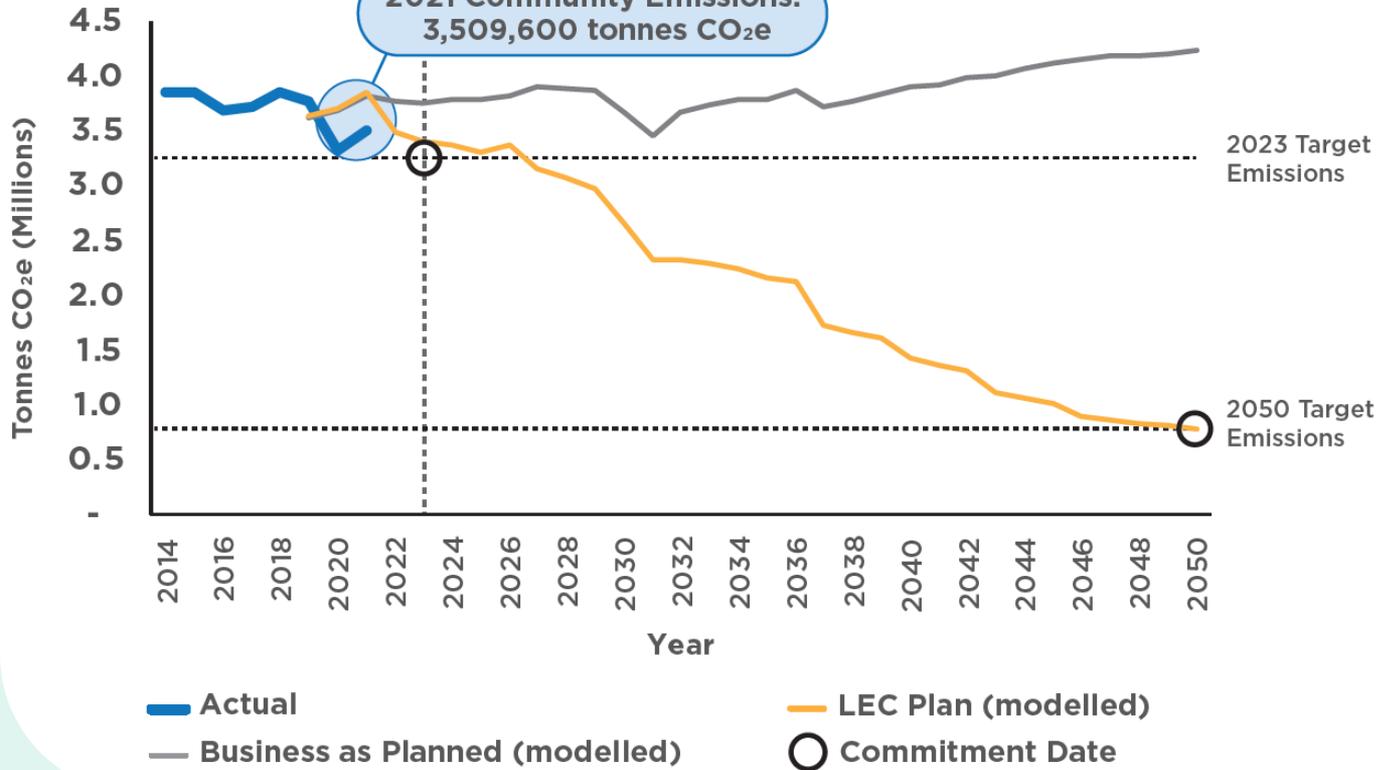
Climate Action Plan:

Progress Report 2021

November 2022



GHG Emissions Progress



3.51 M
tonnes CO₂e

TOTAL COMMUNITY

-9%
(Since 2014)

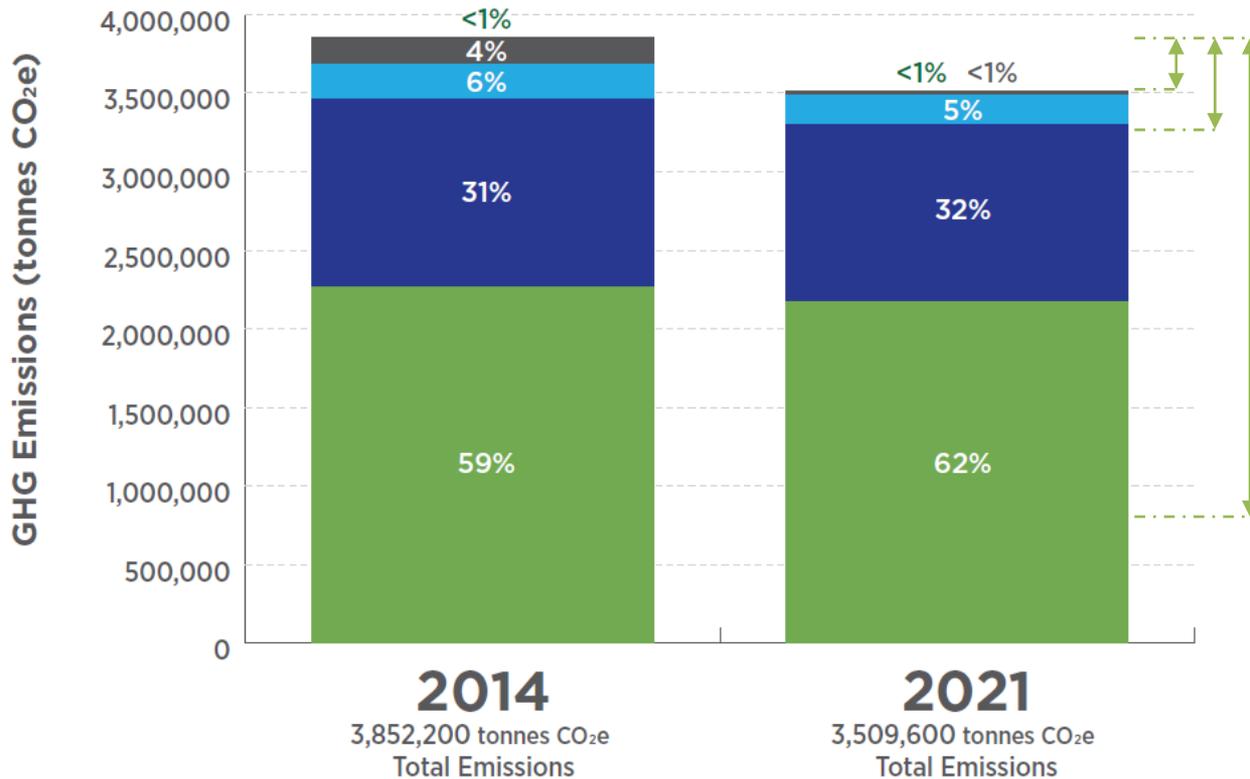
12.4
tonnes CO₂

PER PERSON

-20%
(Since 2014)

Emission Reductions:
342,600 tonnes CO₂e

Community GHG Emissions Target



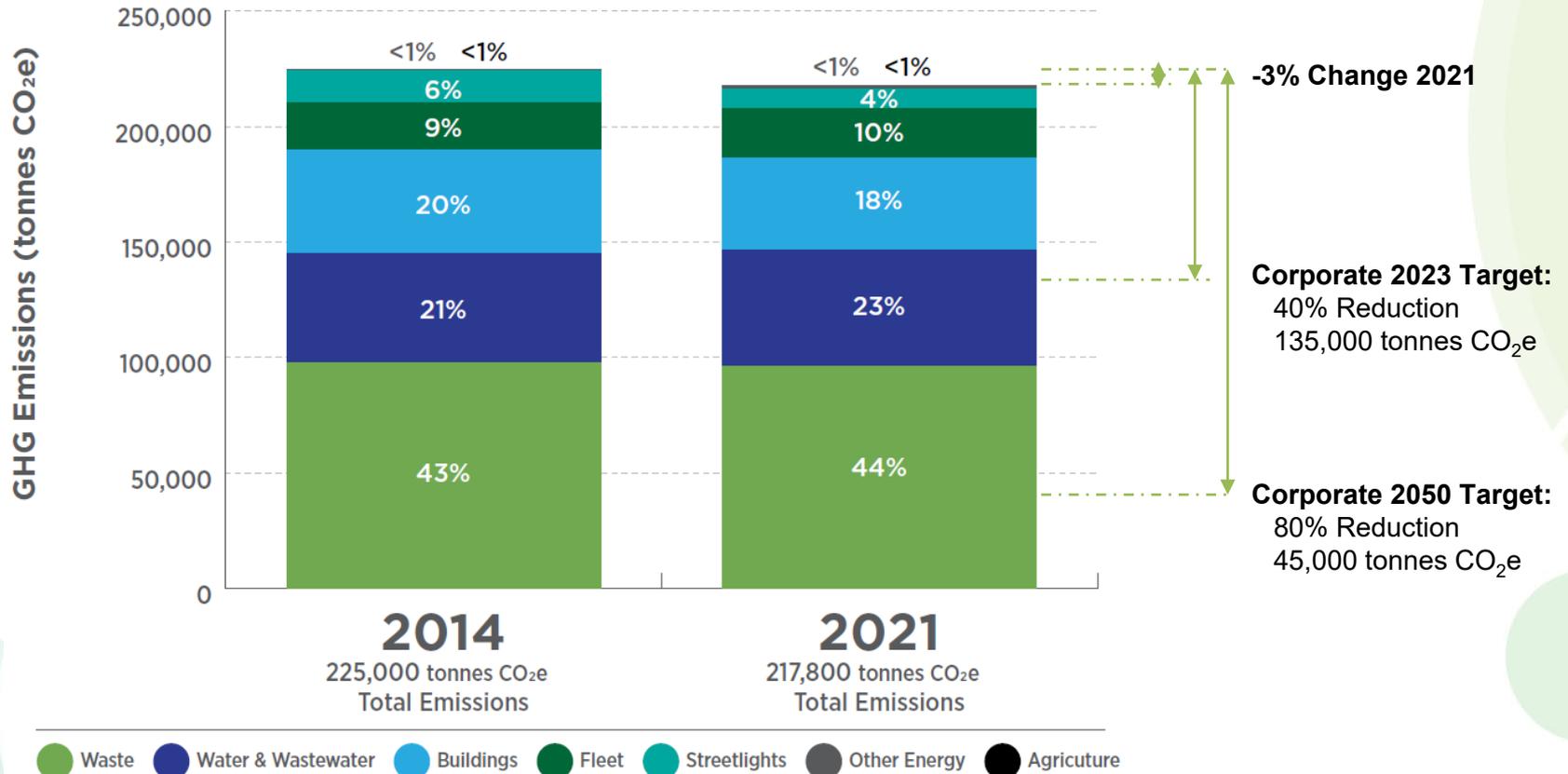
-9% Change 2021

Community 2023 Target:
15% Reduction
3,274,400 tonnes CO₂e

Community 2050 Target:
80% Reduction
770,400 tonnes CO₂e

- Stationary Energy
- Transportation
- Waste
- Industrial Processing and Product Use
- Agriculture, Forestry and Other Land Use

Corporate Emissions Target



Progress Report Content

LEC Plan Report Card

Buildings and Energy Efficiency

#	Action	Start Date (planned)	Responsible Department	Target Indicators	Other Indicators Being Considered	Performance (against target)	Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
01	Apply energy efficiency standards (built to Passive House) to all new municipal buildings.	2020	Technical Services	100% of new municipal buildings meet the Passive House/Net-zero Energy-ready ³ standard immediately (2020).	# buildings that are not built to Net-zero Energy-ready	0% Buildings built to Net-zero Energy-ready.	High Performance Civic Building Policy enacted 2022 and requires new buildings be Net-zero Energy-ready. Fire Hall Five designed to LEED Silver (not Passive House / Net-zero Energy-ready) ⁴ . No buildings have started the design phase since January 2022 (when policy passed).	\$75	\$0	Implementation ●●●●●

Corporate Adaptation Plan Report Card

Assets

Action	Initiative	Start Date (planned)	Responsible Department	Progress Update	Budget 2020-21 (000's)	Budget 2022-23 (000's)	Progress Score 2021
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	No progress. Updates to the City's new Enterprise Asset Management System are planned after it launches in 2022.	\$0	\$0	Not started ●●●●●
	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	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 ●●●●●

LEC Plan Report Card



Corporate Climate Adaptation Report Card

DECISION MAKING

Embedding climate risk into decision-making helps ensure the City is preparing for a changing climate.

Actions include building capacity in the City on using the Triple Bottom Line (TBL) tool in project development, improving data management and sharing, accessing funding, and building internal and external relationships.

5/7 Actions on track.

An Equity Toolkit, new TBL Improvement Tool, and website resource were created as how-to guides for City staff applying the TBL Policy.



SERVICES

The City provides many services like water, power, waste, transportation, recreation, and parks many of which are at risk as the climate changes. Delivering climate-ready, resilient services under changing climate conditions requires proactive planning and cross-departmental collaboration.

Actions include proactive preparation for emergencies as well as reviewing future service levels.

9/9 Actions on track.

A roadways emergency response plan was developed for extreme snow events.

A support process was developed for individuals living in unsafe outdoor conditions.



STAFF

Changing climate conditions impact outdoor staff, residents, the environment, and ecosystems in Saskatoon.

Actions include identifying climate impacts to staff and piloting initiatives to reduce those impacts.

7/7 Actions on track (not scheduled to start until 2022).

A full-time operating position was approved for 2023 to begin accelerating these and all of the corporate climate adaptation actions.



ASSETS

The cost of continuing to design and build using only historical or current climate information is likely to result in, at best, a faster deterioration rate and higher insurance premiums and, at worst, asset failure and destruction of lives, property, and the environment.

Actions in this category include incorporating climate risk and impacts into asset management plans, reviewing and updating corporate standards, and increasing integration of green infrastructure to improve resilience.

7/8 Actions on track.

1200 m³ of compost was used in city parks and sports fields.

Urban Forestry Management Plan was received by Council.



Reporting Timeline and Next Steps

Current

2022	2023	2024	2025
			
			
			



Climate Action Plan
Progress Report



City Financial Budget
Preparations



Climate Action Plan
Refresh

Recommendation

	2022	2023	2024	2025	2026	2027	2028	2029	2030
									
									
2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
									
									
									
2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
									
									
									



Thank you!

Progress Report available at:
saskatoon.ca/climate

