



Climate Lens & Carbon Accountability for Toronto

October 2023



BACKGROUND
FOR TORONTO

Climate Emergency

In 2019 City Council declares a Climate Emergency



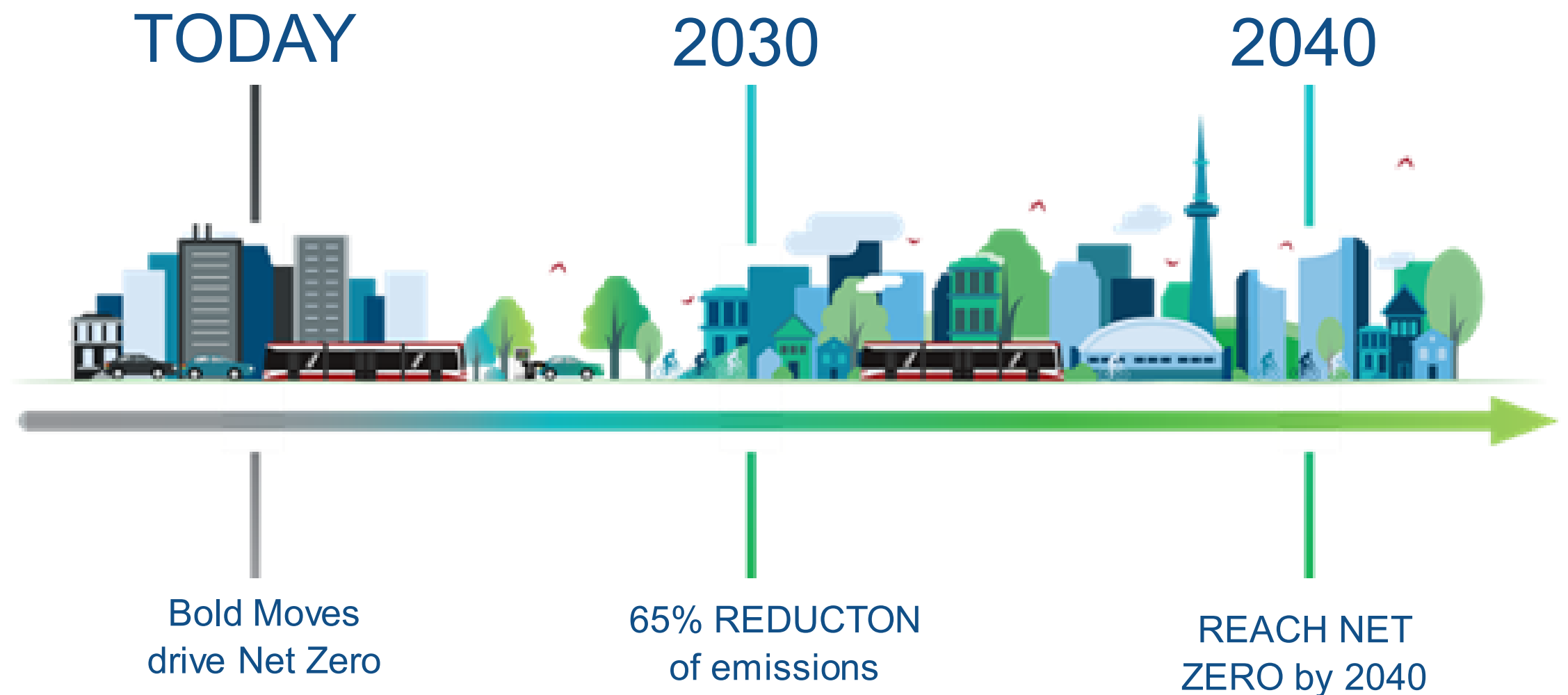
TransformTO Net Zero Strategy



TransformTO Net Zero Strategy

City Council adopted the following community emission reduction targets:

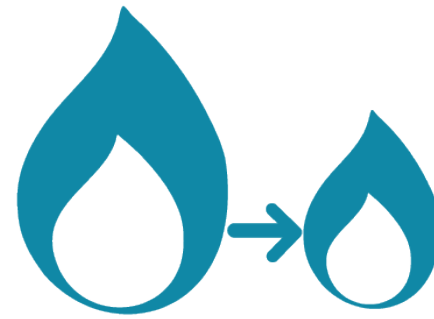
- 45 per cent by 2025
- 65 per cent by 2030
- Net-zero by 2040



Net Zero by 2040: 5 Critical Steps



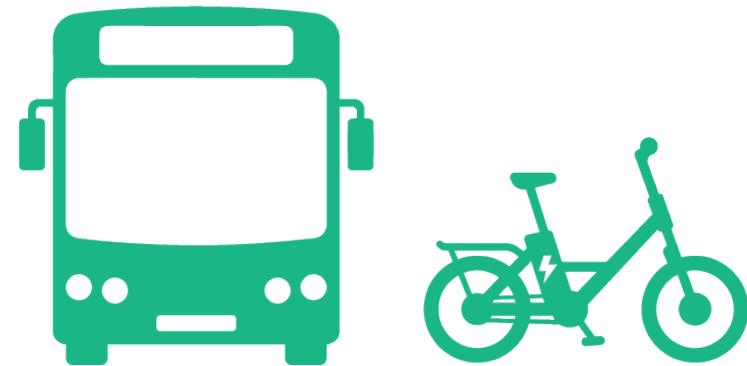
Carbon accountability through carbon budgets



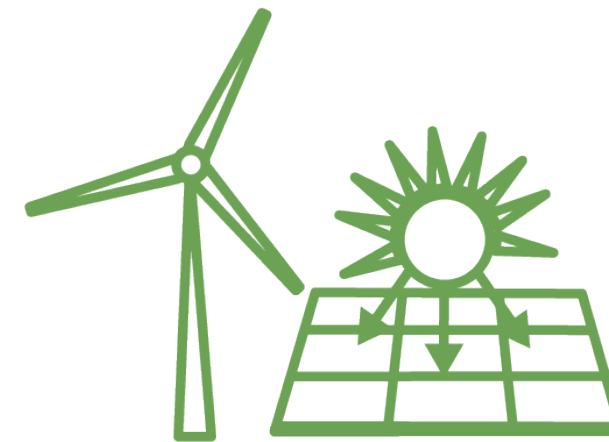
Accelerate significant reduction of natural gas



Establish building performance targets



Increase low carbon transportation options



Increase local renewable energy & storage

AGENDA

- 0 1 CLIMATE LENS
- 0 2 TORONTO'S CARBON ACCOUNTABILITY
- 0 3 CARBON BUDGET REPORT
- 0 4 BY-LAW AND REPORTING
- 0 5 BUDGET PROCESS
- 0 6 EMISSION BUDGETS
- 0 7 CARBON OFFSET CREDIT POLICY
- 0 8 IMPACT ON STAFF



TO R O N T O ' S
C L I M A T E L E N S



2019: City Council directed E&C to develop a plan for a **climate lens** that evaluates and considers the climate impacts of major City decisions

2019-2022: Moves from one-size-fits-all policy model to capacity building program

Leveraged **Climate Lens Planning Table**

- representation from 24 divisions to exchange knowledge, best practices and ideas

2021: Identified projects that have a climate impact through the Capital Budget process

2023: Launch of **Climate Hub**

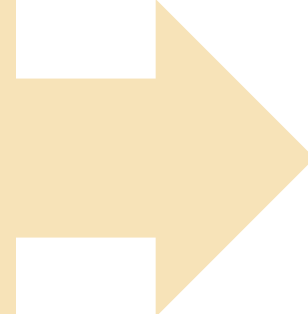
Climate Lens

Climate Policy Drivers

Asset Management

Carbon Accountability

Procurement Policy



Tools & Climate Data

Annual Budget

Influence decision making

Report on Impact

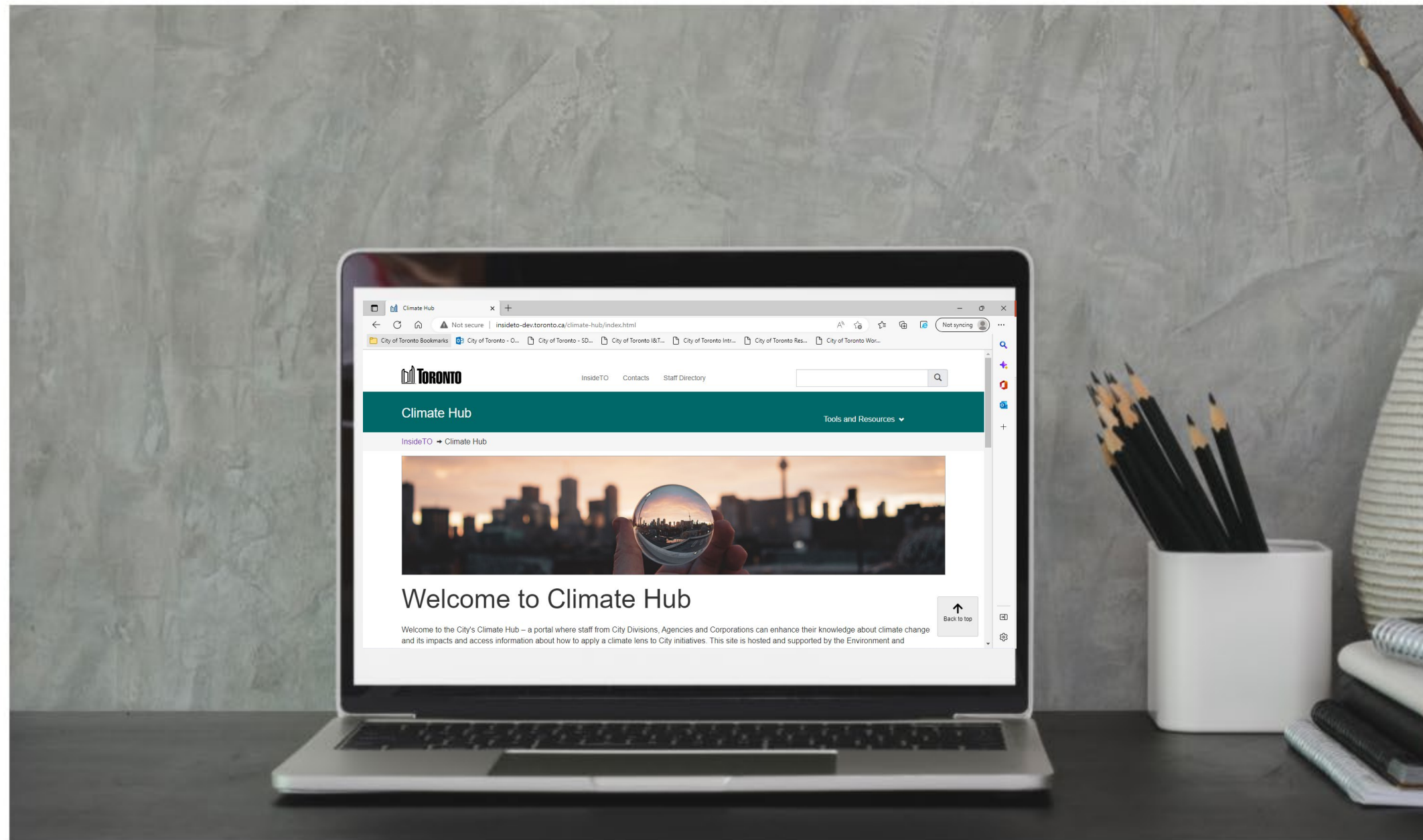
Staff Training & Education

Carbon Budget Report

Climate Hub

Build staff climate competency and leadership

6 main deliverables



Training

3 Modules on ELI

Ensure all City staff have a basic understanding of:

- Fundamentals of climate change
- TransformTO Net Zero Strategy
- Community and corporate-wide emissions



Climate View Map

An easy-to-use web mapping application that lets users select and work with various layers of climate-related data in Toronto

Serves as a first step for City staff to learn about climate hazards, vulnerabilities and resilience considerations before applying a climate lens

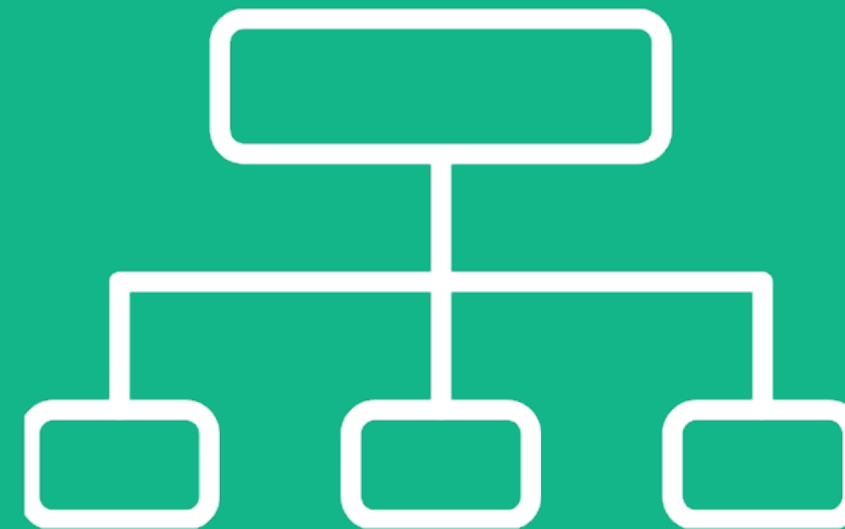


Climate Policy Map

Visual representation of the City's climate-relevant cross-corporate policies/strategies, drilling down into sector-specific policies and programs with descriptions and key links

Serves as a guidance or reference for:

- Familiarize staff, esp. new hires, with existing climate-relevant strategies, policies and programs
- Report writing



Climate Lens Guide

Provides resources, guidance and best practices to help City staff in thinking about how to apply a greenhouse gas emission assessment or climate risk assessment to a City initiative (e.g. project, program, policy or by-law).



Screening Tool

Helps staff determine whether their initiative is suitable for a climate lens assessment and, if so, what degree of detail is appropriate



Resources

Includes links and downloads of additional resources helpful for City staff, such as:

- Case Studies
- Climate Data
- Emission Factors
- Standards and Methodologies
- Webinars





Questions?

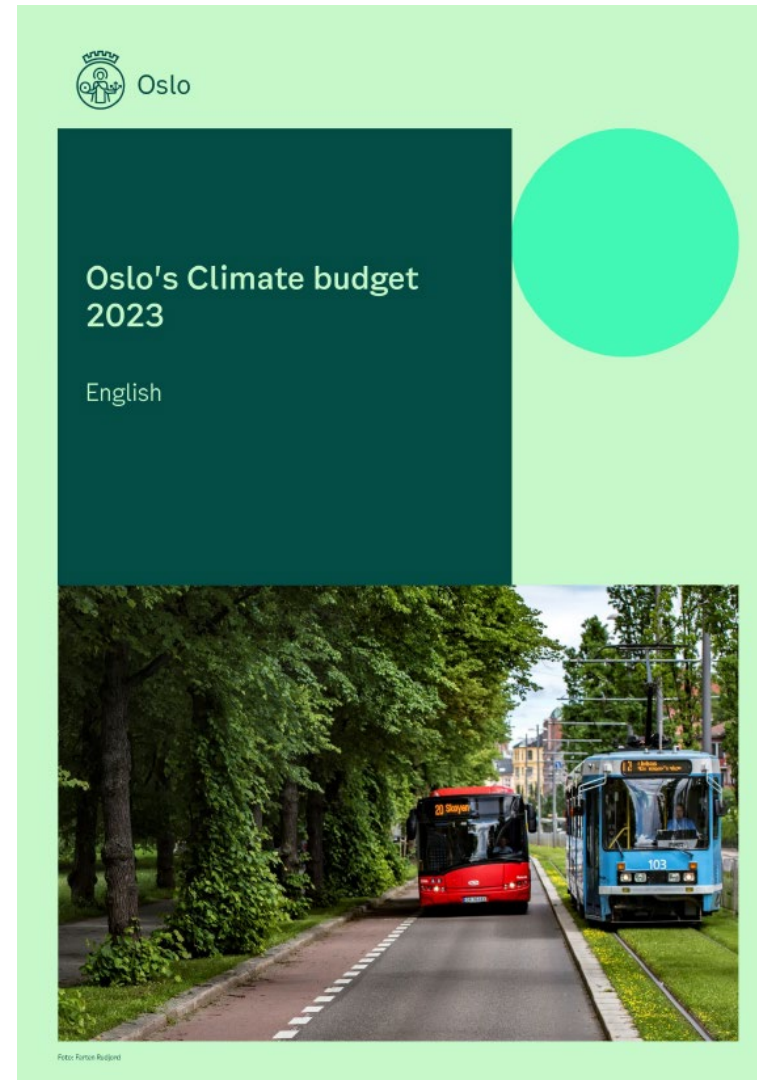
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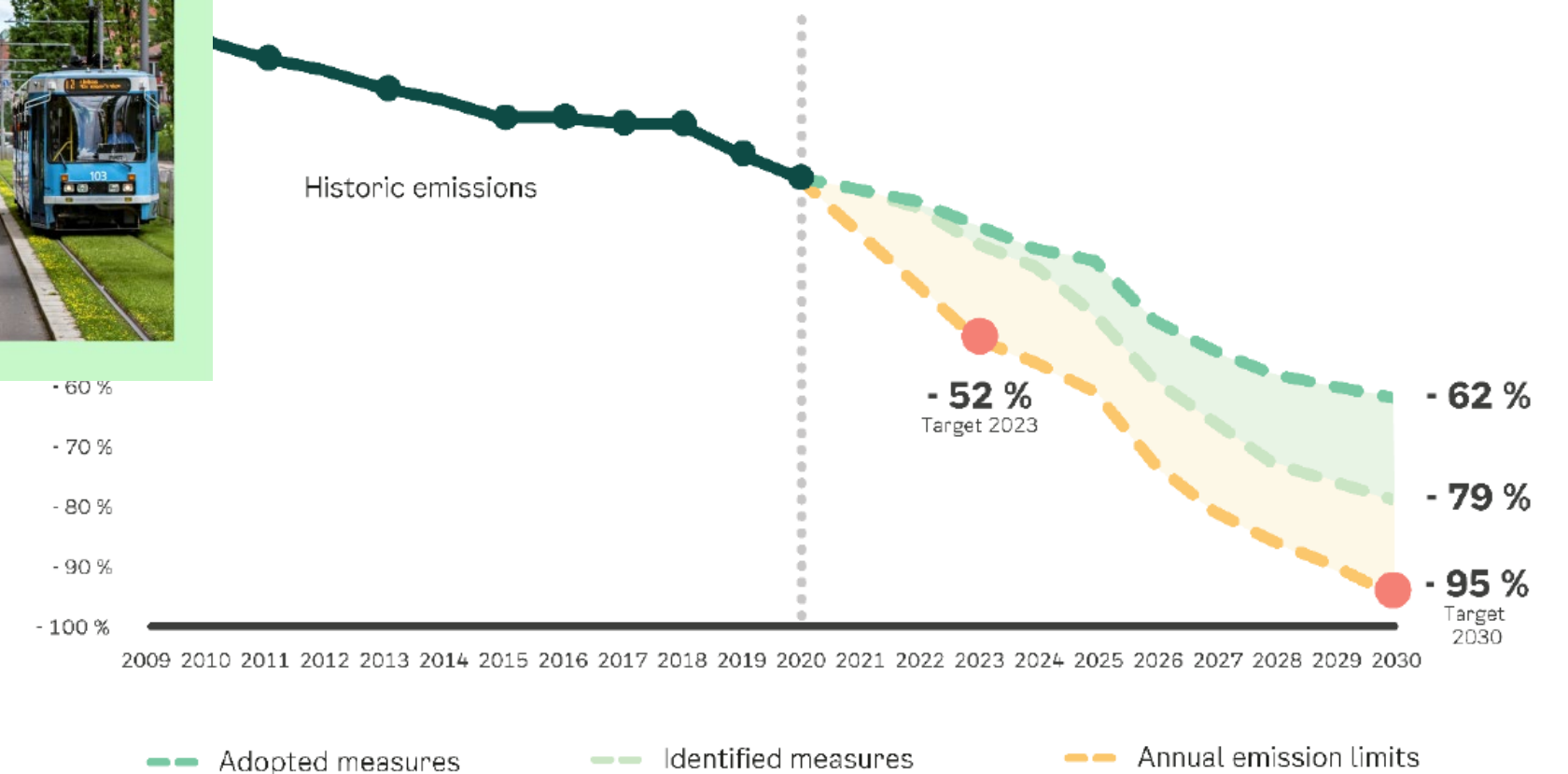
TO R O N T O ' S
C A R B O N
A C C O U N T A B I L I T Y

Key takeaways

1. Formalizing climate governance structures and processes
2. Clearly defining roles and responsibilities
3. Establishing interim emissions reduction milestones
4. Producing action plans to meet milestones
5. Requiring monitoring and reporting
6. Broadening the scope beyond reducing emissions

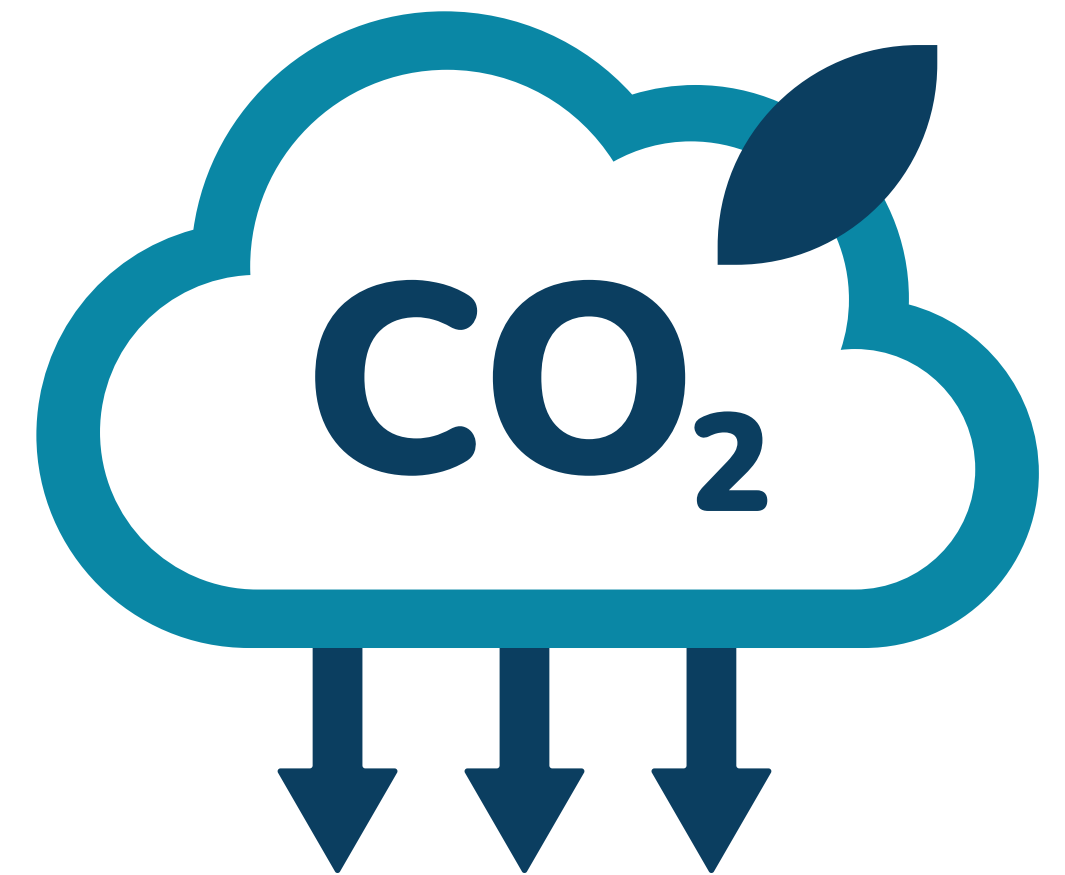


RACE TO ZERO



Toronto's Carbon Accountability Objectives

Primary goal: **drive implementation** of TransformTO NZS & establish Toronto as a climate governance leader through **enhanced transparency and accountability**

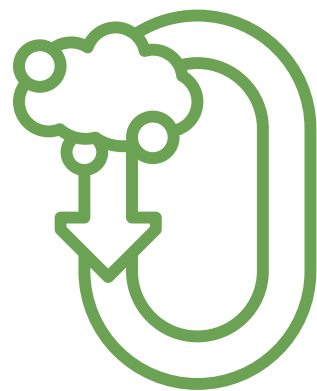


Applying the framework

POLICY



New By-Law in Toronto Municipal Code



New Carbon Offset Credit Policy

PROCESS



New "climate lens" requirements in existing Capital/Operating Budget Process



Setting Emission Budgets for Community & Corporate Emissions

TOOLS



Carbon Budget Report

- CAPTOR tagging
- Operating Budget Excel template
- Climate Lens Guide
- Climate Hub
- Dashboard
- Modelling Tool

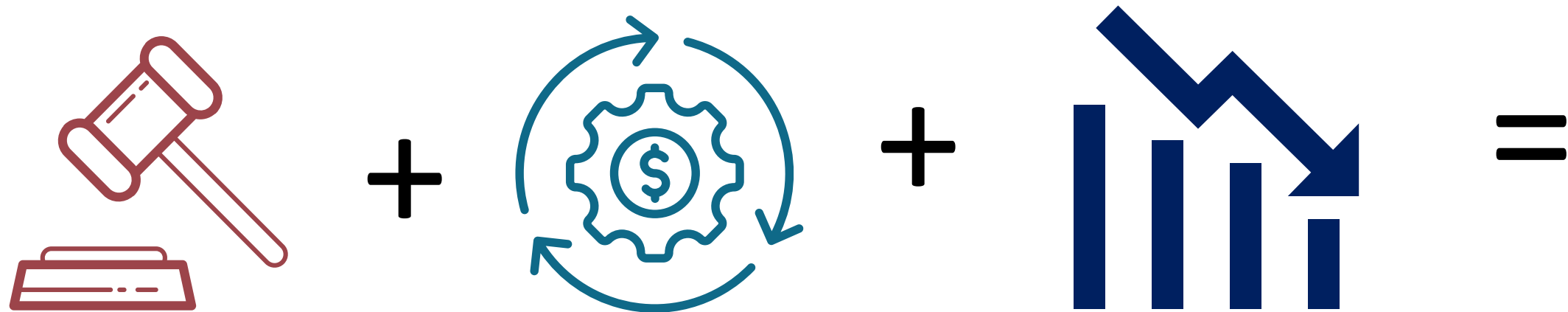


THE
CARBON BUDGET
REPORT

What is the Carbon Budget Report?

4 KEY OBJECTIVES:

1. Identify a project/policy/program's impact on climate
2. Provides info on how much are we spending on climate
3. How will we stay within the set emission budget
4. Tells us if we are on track to achieving net zero by 2040



Policy 1 : The Municipal Chapter Code

Defines the Carbon Budget report and outlines process

Provides timelines for specific plans and reports

Sets emissions budgets based on existing GHG reduction targets

Outlines mechanisms that will be triggered if budget targets are not achieved



Process 1 : Capital & Operating Budget

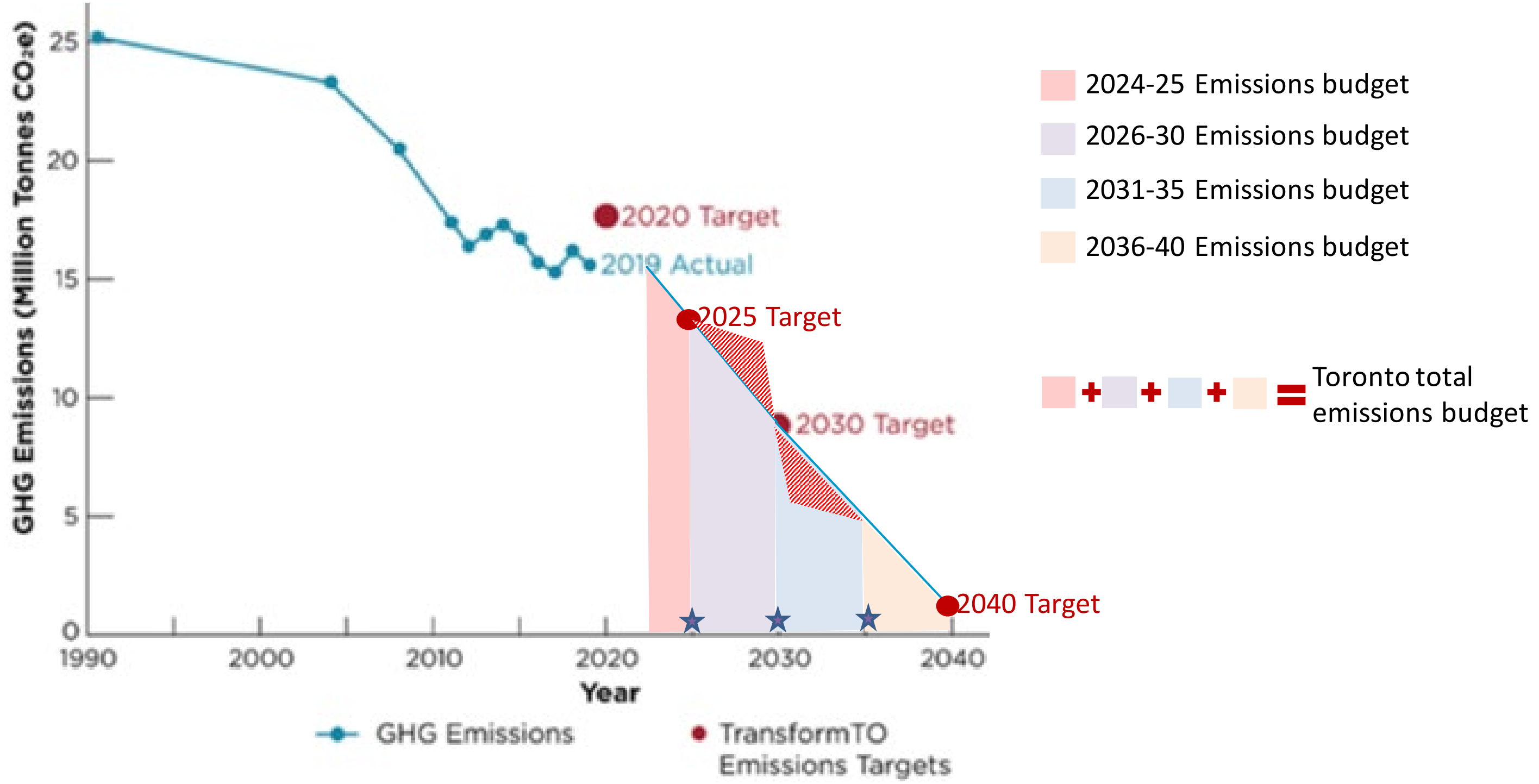
Budget Year	2022	Phase	5	UserID	MRAZA
Division		Program	01	Toronto Public Library	
Project Number/Name	LIB000150 Sanderson Neighbourhood Library Renovation				
Sub-Project Name	Sanderson Library-Construction (SOGR)				
Sub-Project Number	0003	Sub-Status	S6 New - Future Year (Commencing in 2022 & Beyo		
Linked Sub Proj Number		Link S2 Project			
Point Rating	0.00	Wards	Spadina-Fort York		
Sub-Priority	1	Sub-Project Start Date	January 1, 2025		
Sub-Project Category	State of Good Repair C03	Sub-Project Completion Date	December 31, 2027		
WBS Sub-Project Acct No		Asset In-service Date			
Project Manager	Moe Hosseini-Ara (7-5944) & Gail Rankin (5-5881)		Estimated Useful Life (year)	30	
Project Location	327 Bathurst Street				
Asset Type		Council Approval Date (P.Y.)			
Replacement Cost ('000s)	6,517	Council Report Ref (P.Y.)			
Poverty Reduction Impacts		1 Improves Climate Resilience	yes	2 Reduces GHG Emissions	no
5 Yr Plan Appvd.					
User 1	Not Applicable	User 2	B05 - Major Retr	User 3	Not Applicable
User 4	D05 - Communit	User 5	Not Applicable	User 6	Not Applicable
User 7	Not Applicable	User 8	Not Applicable	User 9	Not Applicable
User 10	Not Applicable	User 11	TestUF11-01	User 12	Not Applicable
User 13	Not Applicable	User 14	Not Applicable	User 15	Not Applicable
Description of Project:	Justification:	Supp. information:	Climate and GHG Supplementary Information		
see main project details	see main project details	see main project details			

Highlights **what action** is the City undertaking to reduce GHG emissions

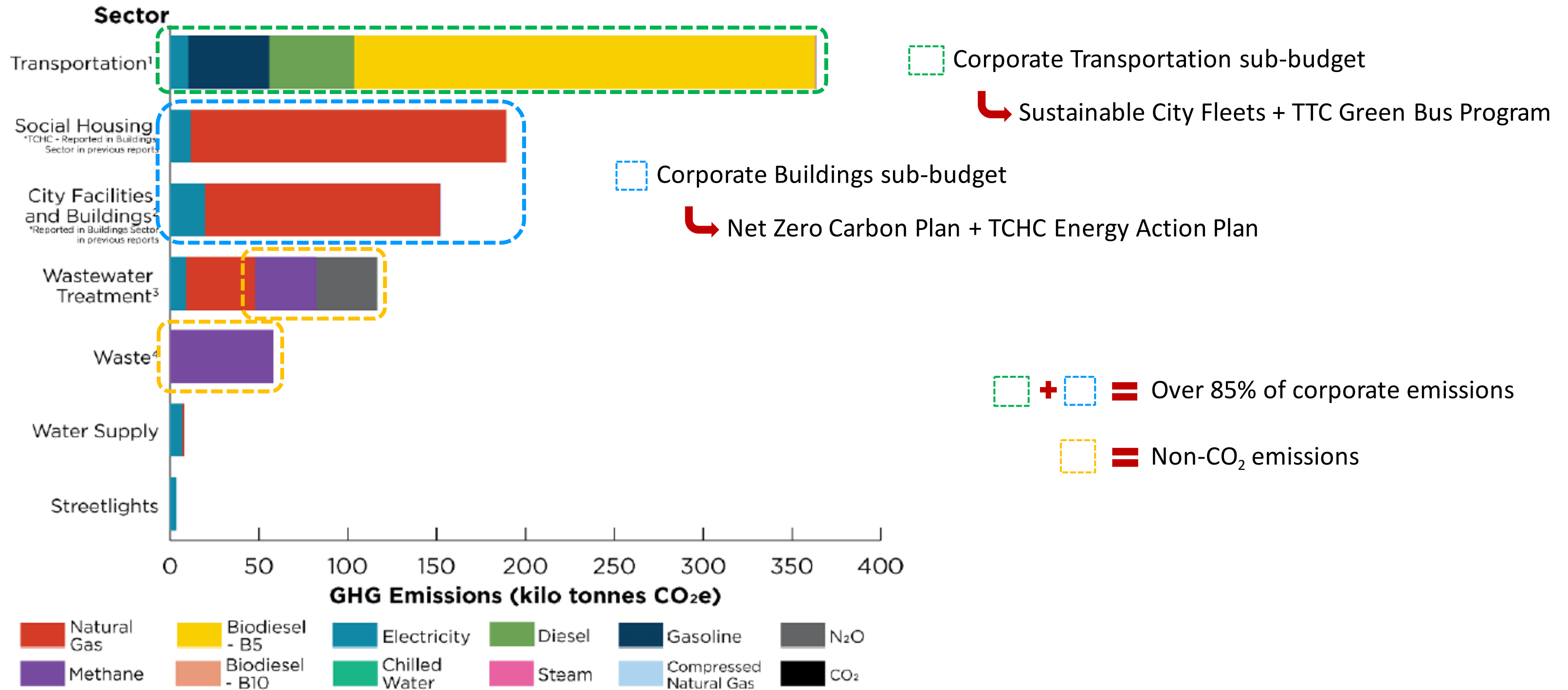
How much is being spent on climate

What is expected to be invested in the next 10 years

Process 2: Setting Community-wide Emission Budgets



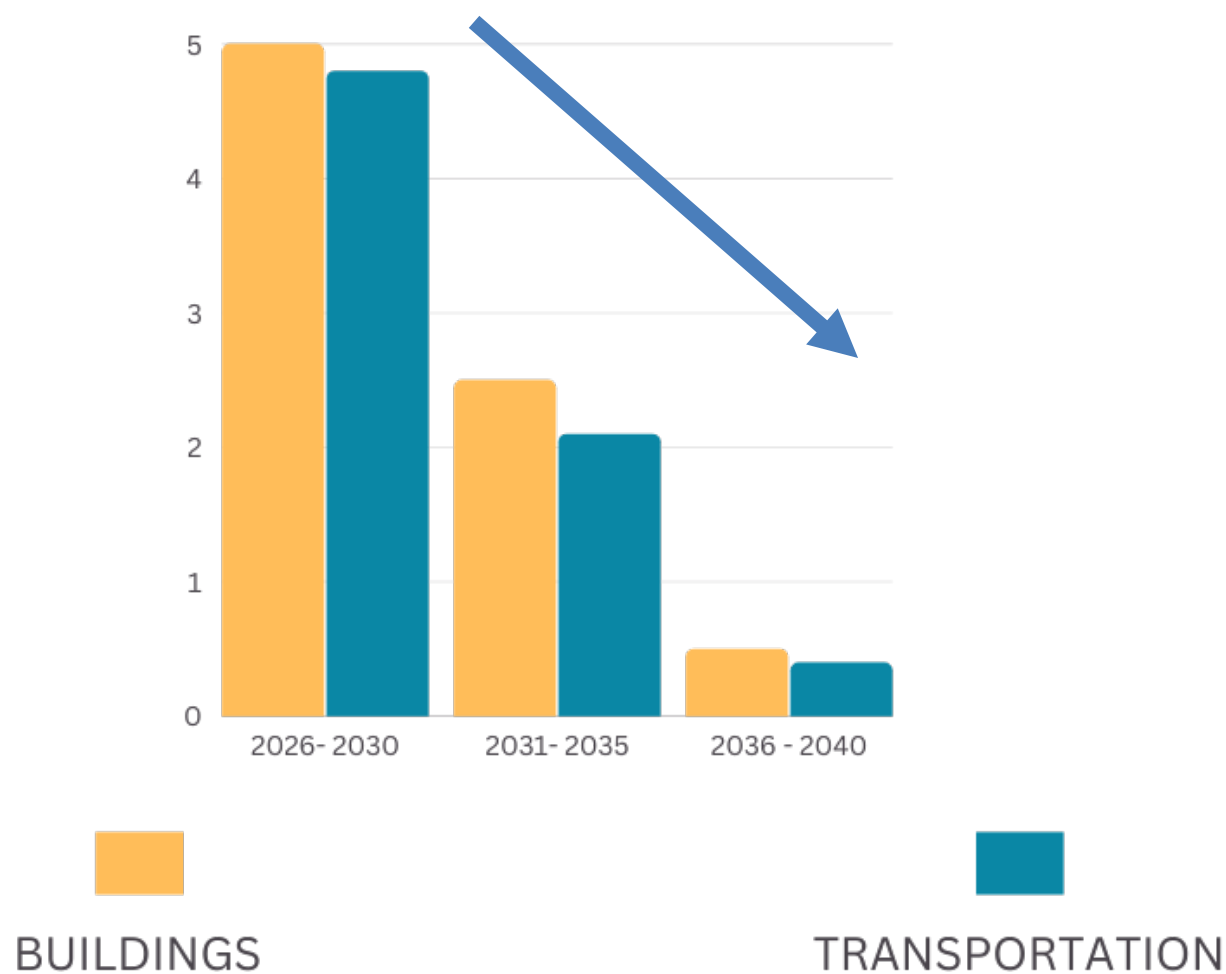
Process 2: Setting Corporate Emission Budgets



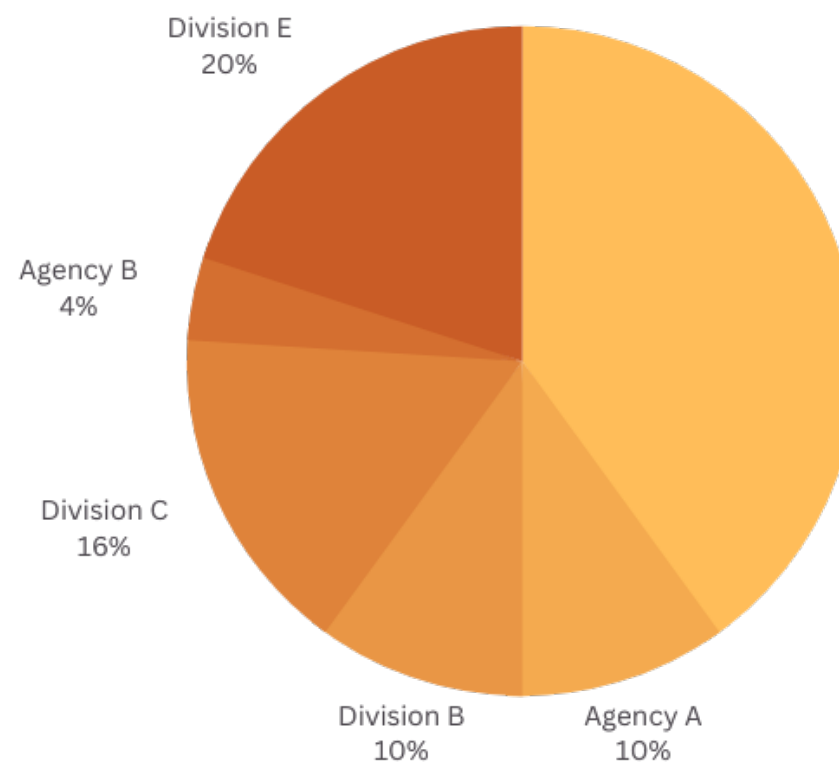
Dividing Corporate Emissions Budgets b/w Sectors

(illustrative example)

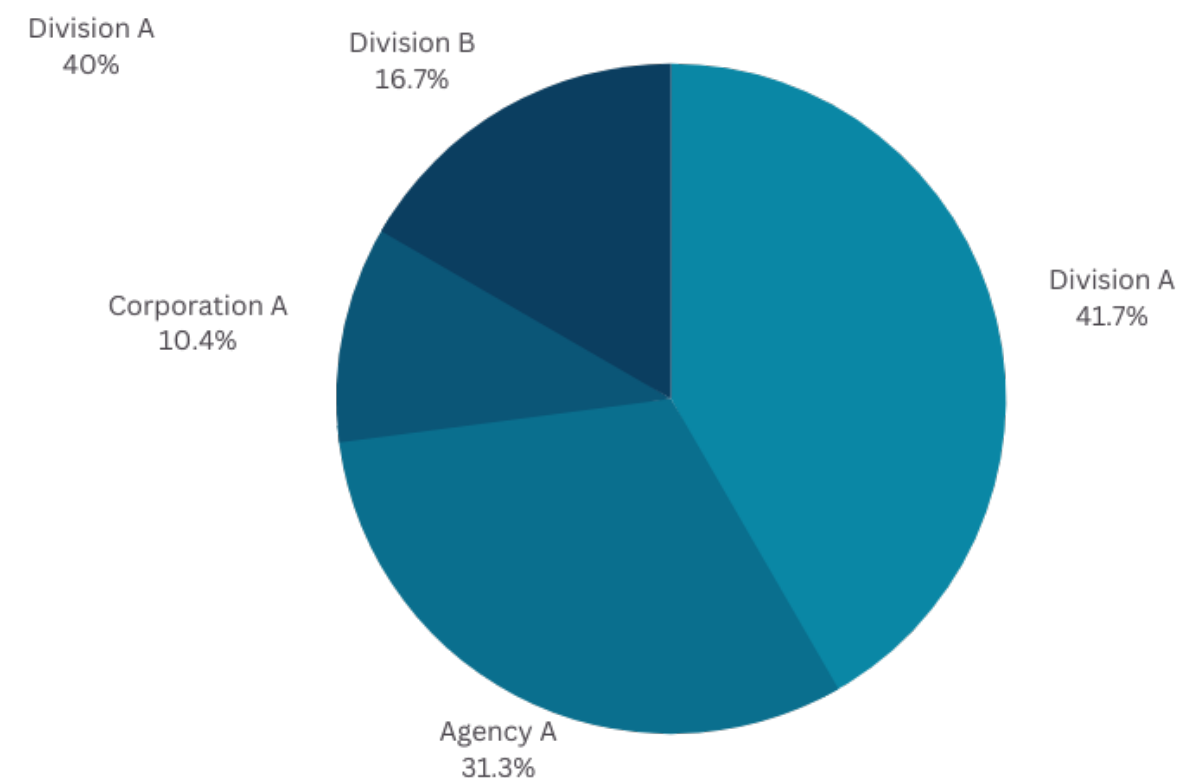
CORPORATE SUB-BUDGETS



DIVISIONAL SHARES OF BUILDINGS SUB-BUDGET



DIVISIONAL SHARES OF TRANSPORTATION SUB-BUDGET



Putting it all together



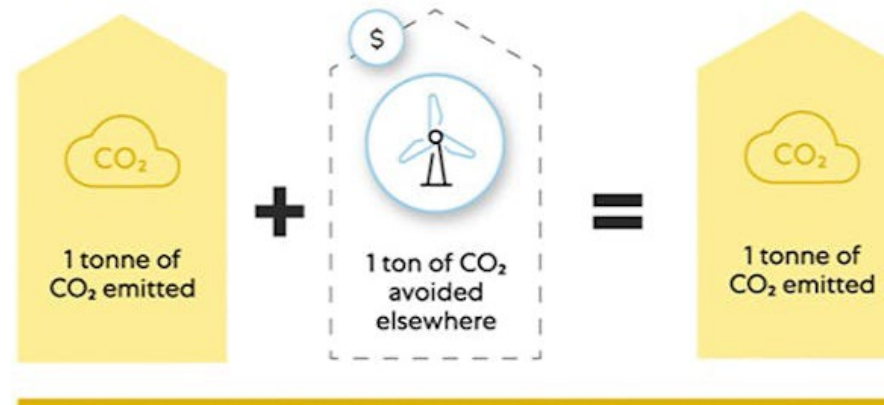


2040:
NET ZERO

Policy 2 : Offset Credits

Scope: Applies to:
(i) Corporate purchases of offset credits to balance Corporate residual emissions; and (ii) Corporate sales of offset credits

Emission reduction offsets



Carbon removal offsets



Net zero means balancing residual emissions exclusively with carbon removals

Rule for Purchase: Only purchase offset credits for carbon removal

Rule for sales: No sales of offsets from projects that reduce GHG emissions in the Corporate inventory

Who buys? E&C will centralize purchases and be responsible for market evaluation

Changes we've seen so far

Understanding of climate related to their work

More engaged and supportive

Starting to plan ahead for new projects that could have significant GHG reductions





Thank you for listening in!

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Call **3•1•1**

