

An aerial photograph of a city grid, likely New York City, showing various buildings and streets. The image is tilted and occupies the bottom-left portion of the slide.

# CityInSight

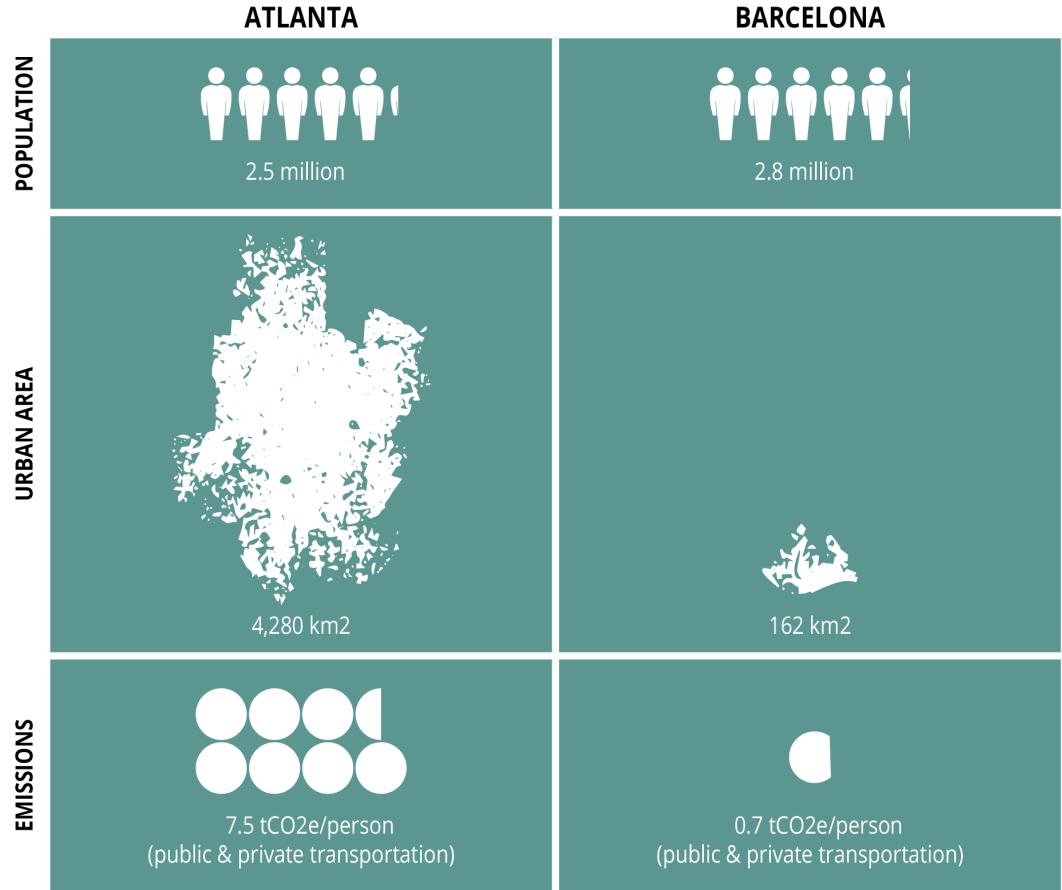
cityinsight.ssg.coop

**SSG** SUSTAINABILITY  
SOLUTIONS GROUP

*whatIf?*

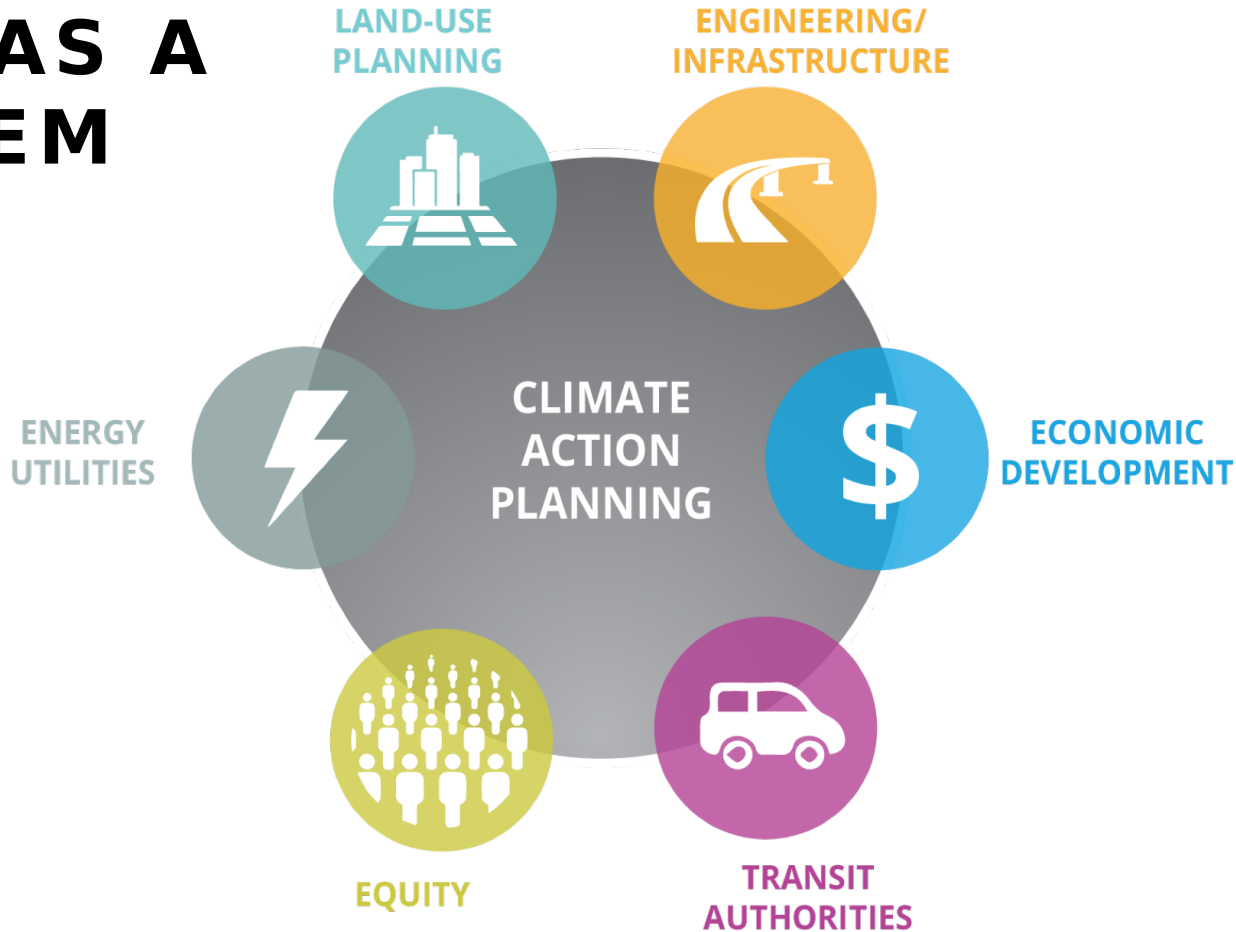


# THE IMPERATIVE

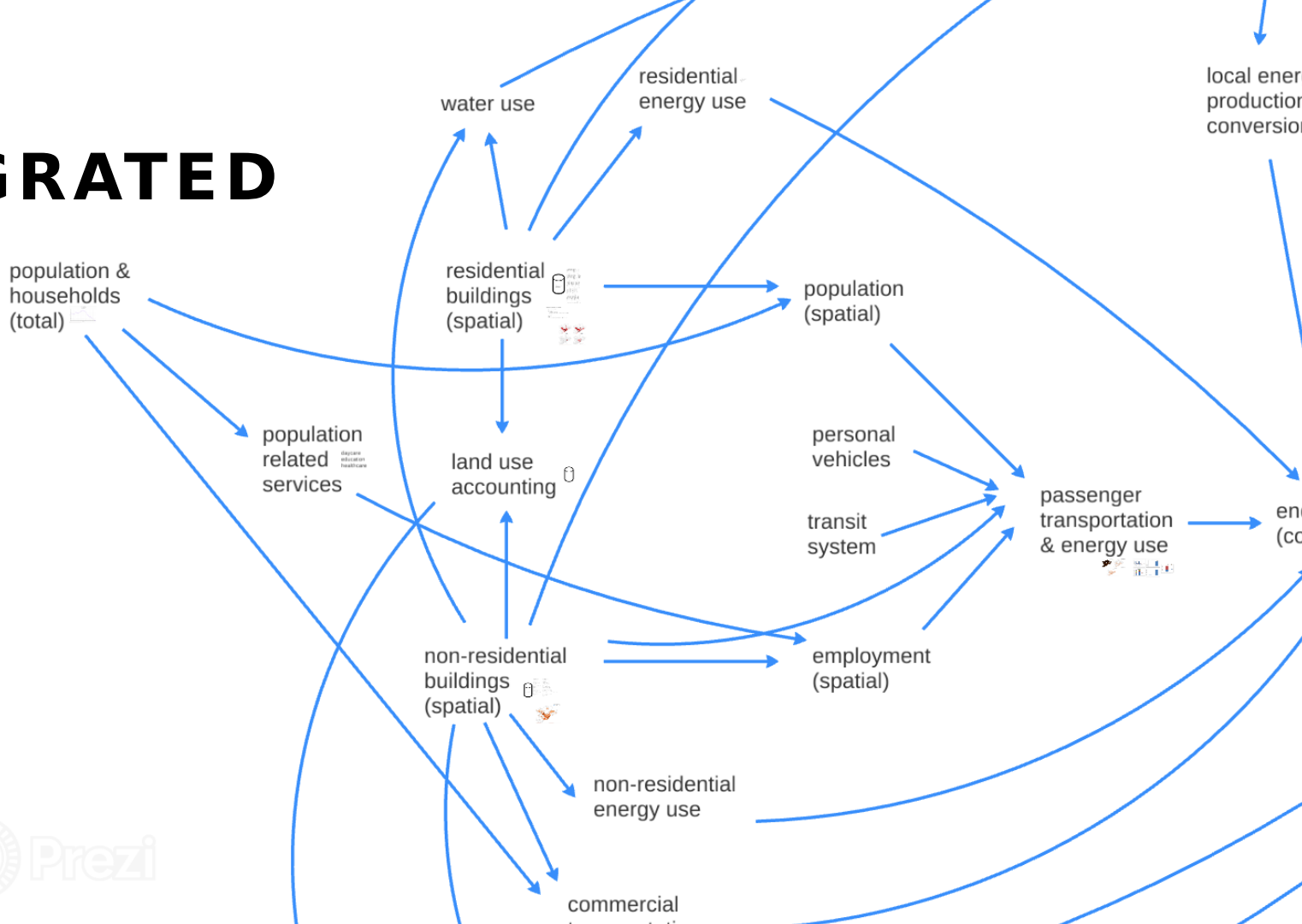


Source: Transit Density: Atlanta, the United States and Western Europe. Bertaud and Richardson, 2004.

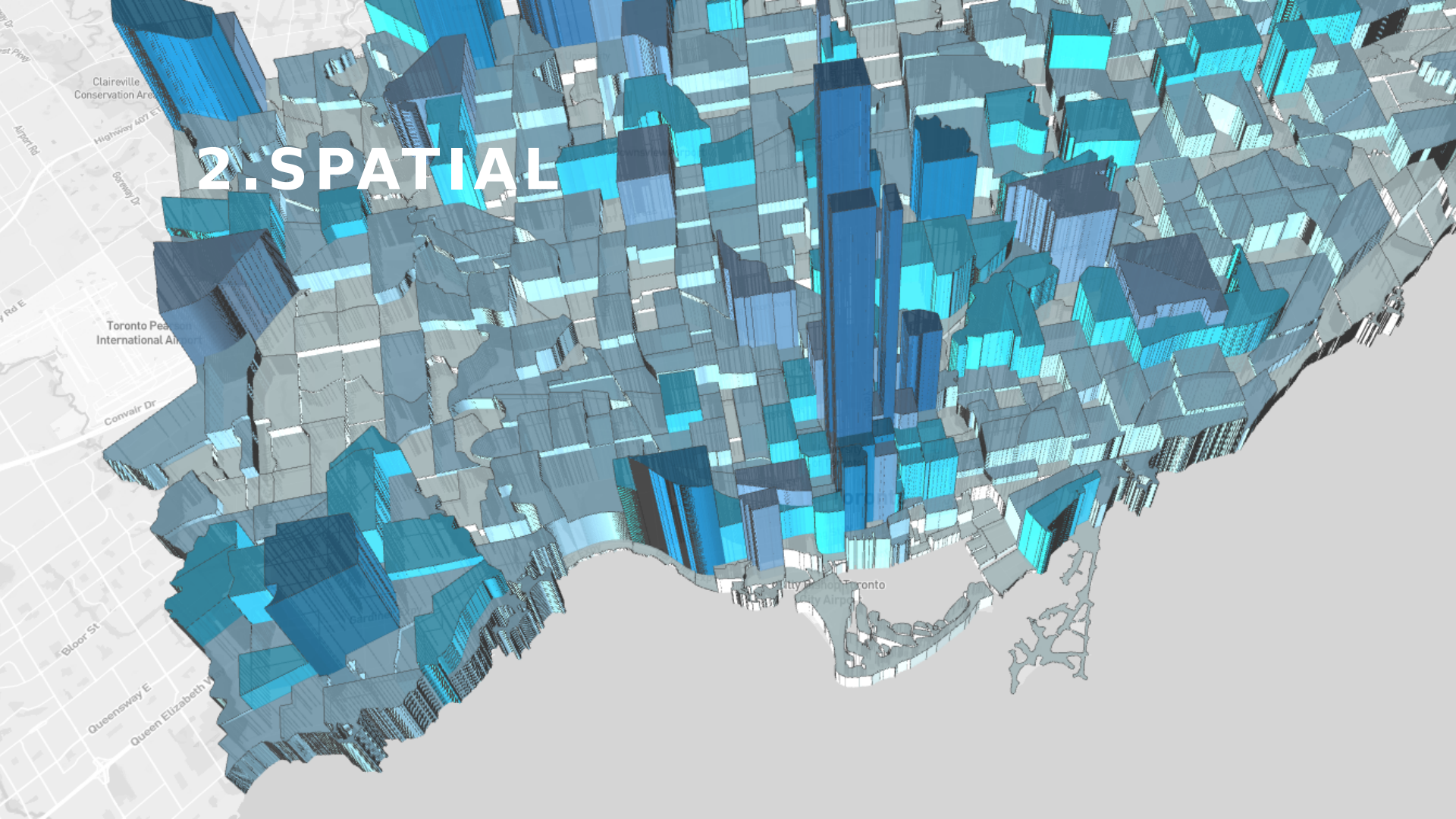
# CITY AS A SYSTEM



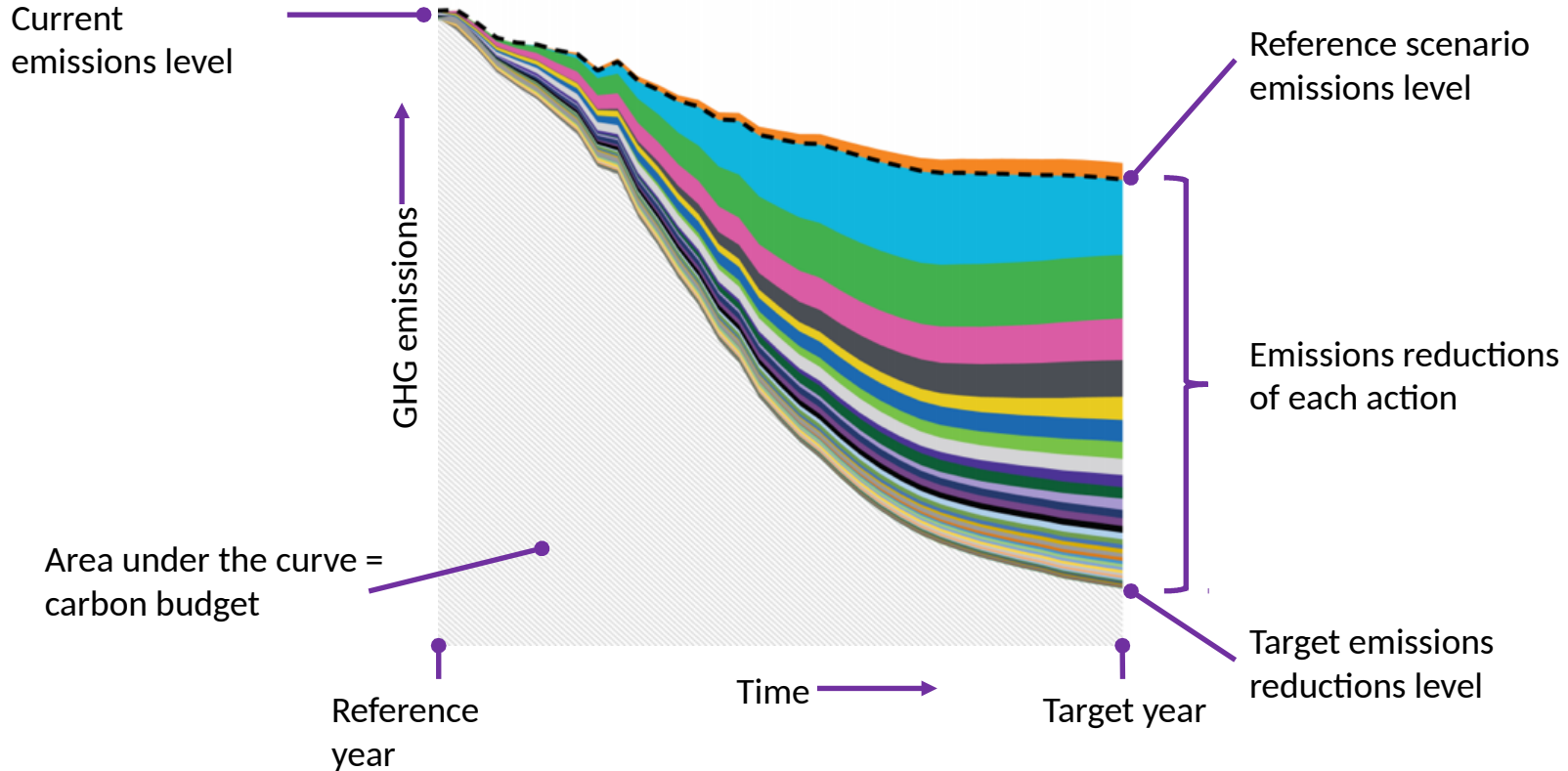
# 1. INTEGRATED



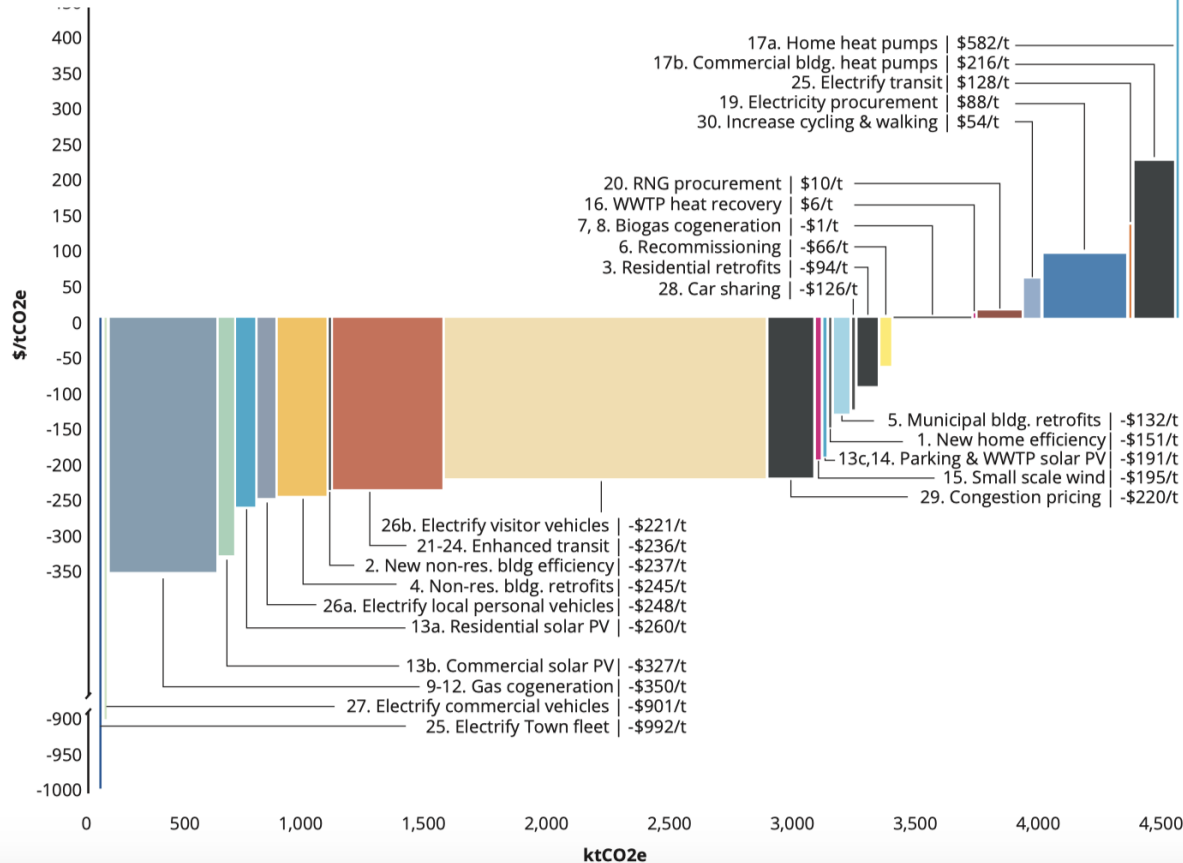
## 2.SPATIAL



# 3. DETAILED PATHWAY

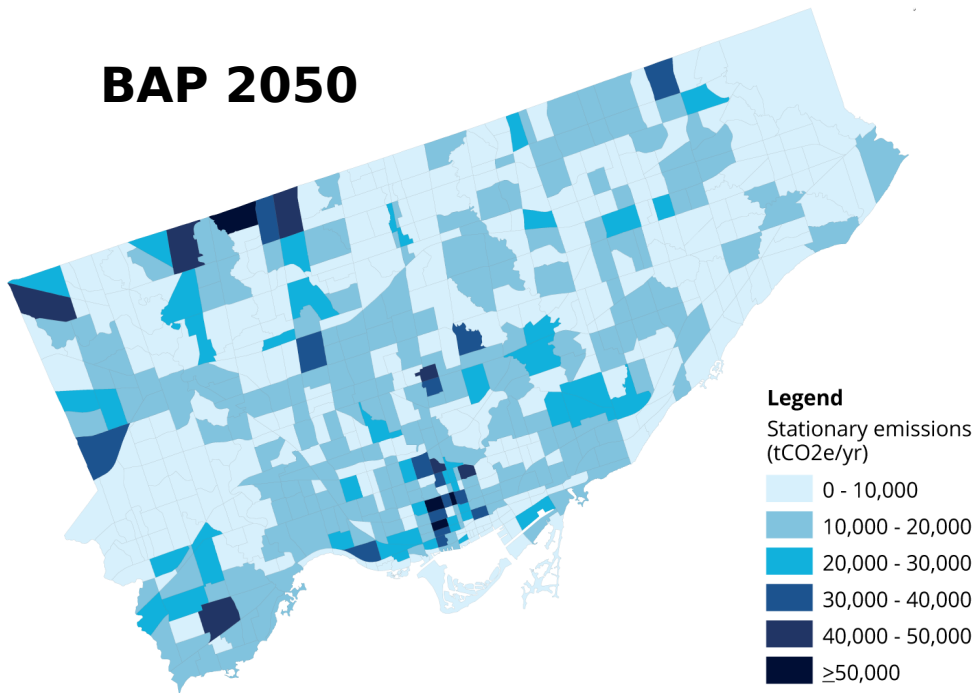


# 4. FINANCIAL IMPACTS

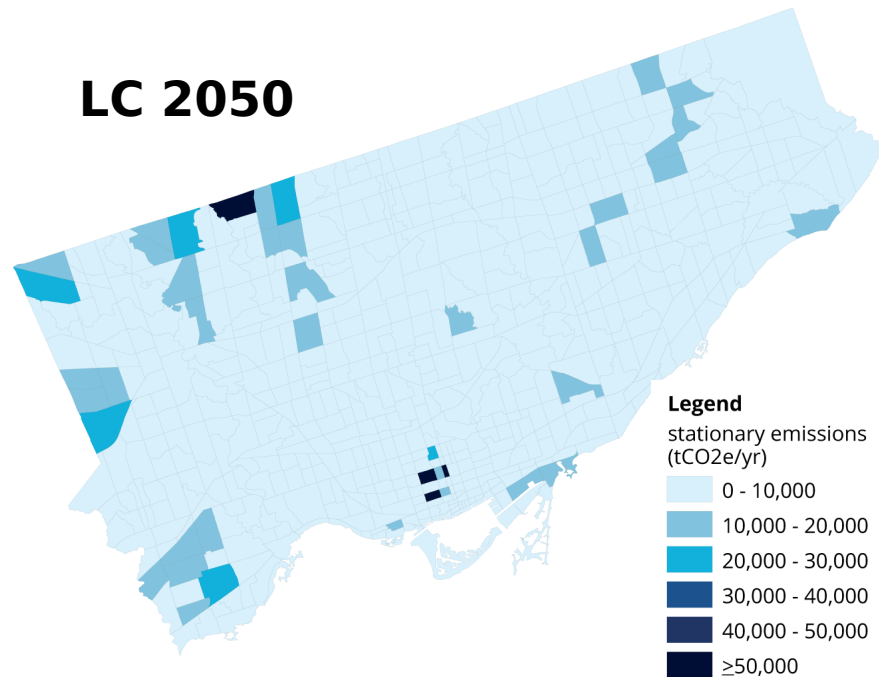


# GHG IMPACTS

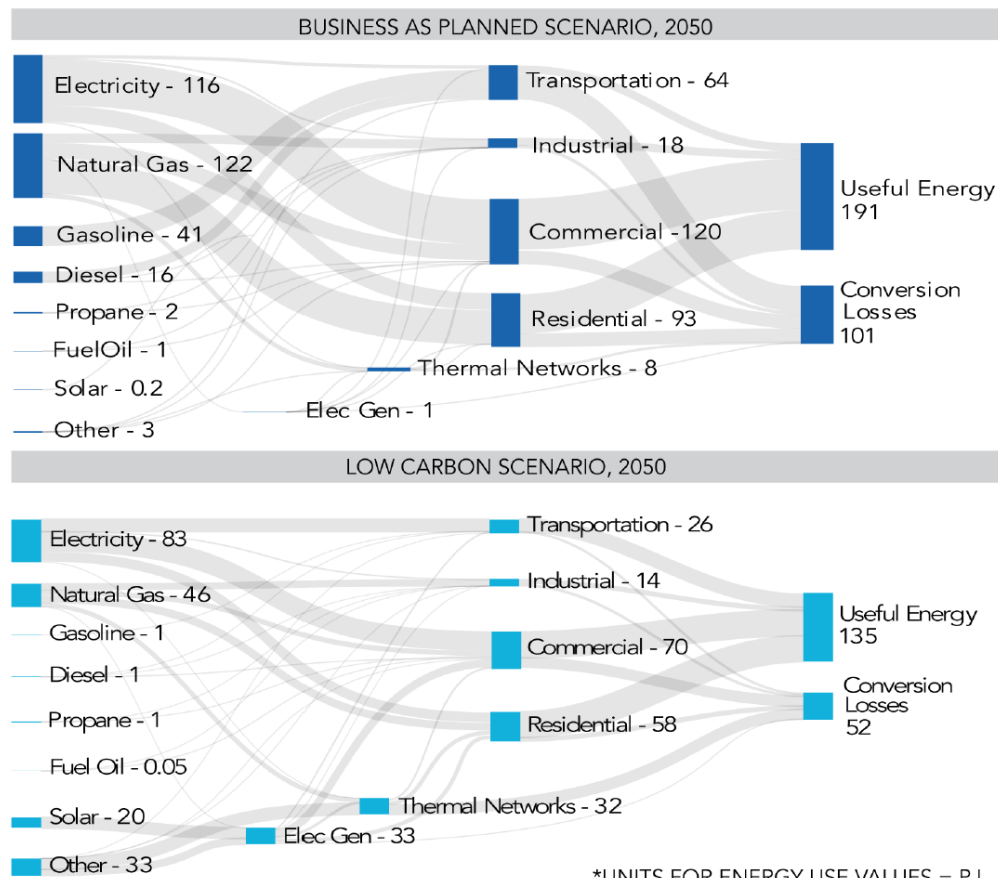
## BAP 2050



## LC 2050



# IMPACT ON ELECTRIFICATION

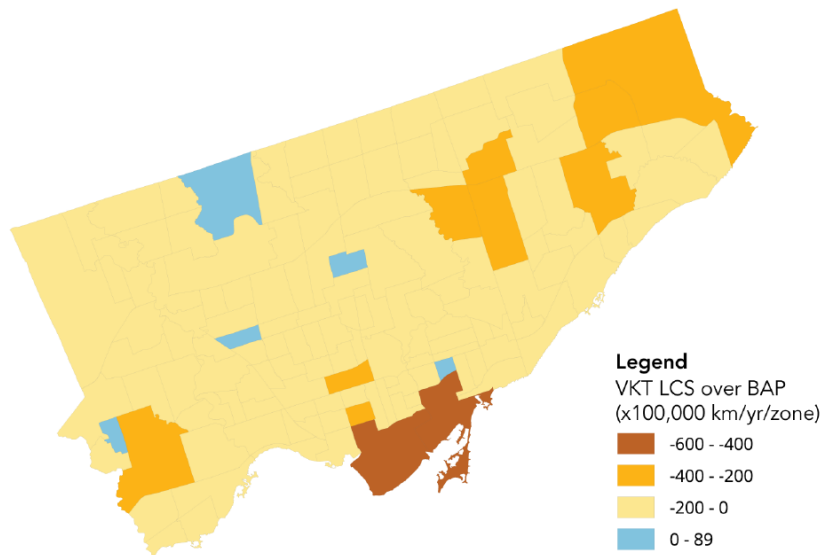


\*UNITS FOR ENERGY USE VALUES = PJ

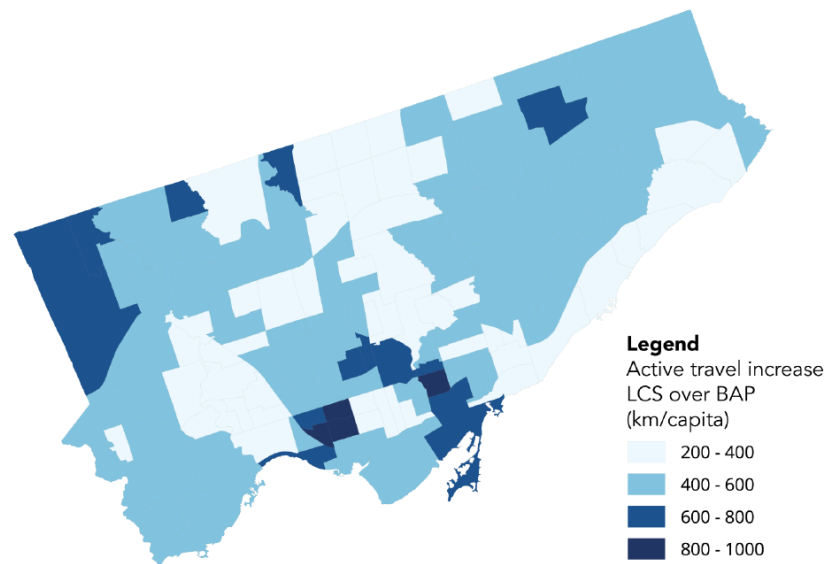
# EQUITY

## HEALTH + WELL-BEING

CHANGE IN VEHICLE KILOMETERS TRAVELLED (VKT) IN THE CITY OF TORONTO LOW CARBON SCENARIO (LCS) VERSUS BUSINESS AS PLANNED (BAP) SCENARIO, 2050



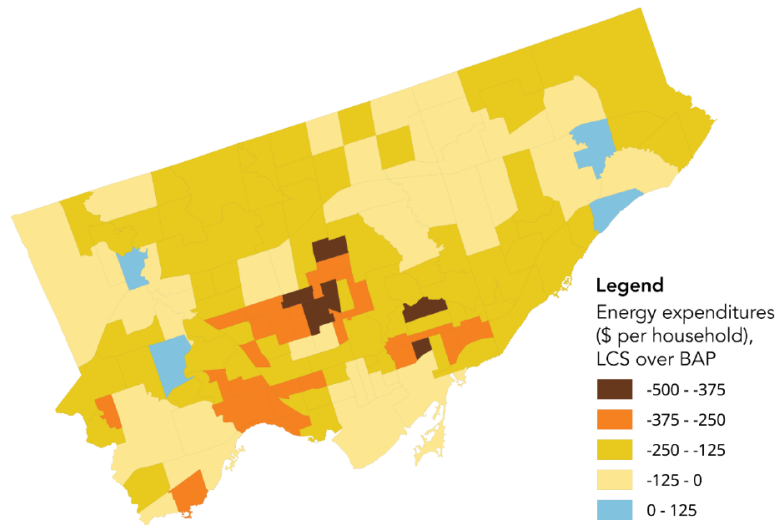
INCREASE IN ACTIVE TRAVEL IN THE CITY OF TORONTO LOW CARBON SCENARIO OVER THE BUSINESS AS PLANNED SCENARIO, 2050



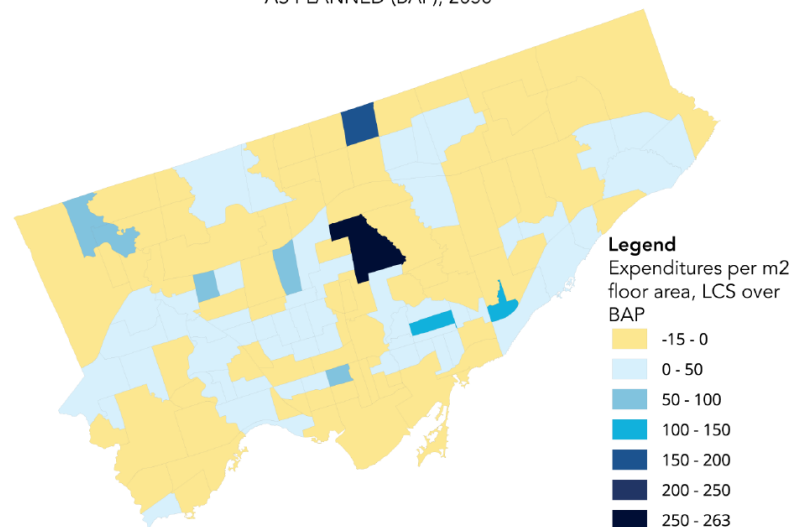
# SUSTAINABILITY

## AFFORDABILITY

HOUSEHOLD ENERGY EXPENDITURES IN THE CITY OF TORONTO LOW CARBON SCENARIO (LCS) VERSUS BUSINESS AS PLANNED (BAP) SCENARIO, 2050



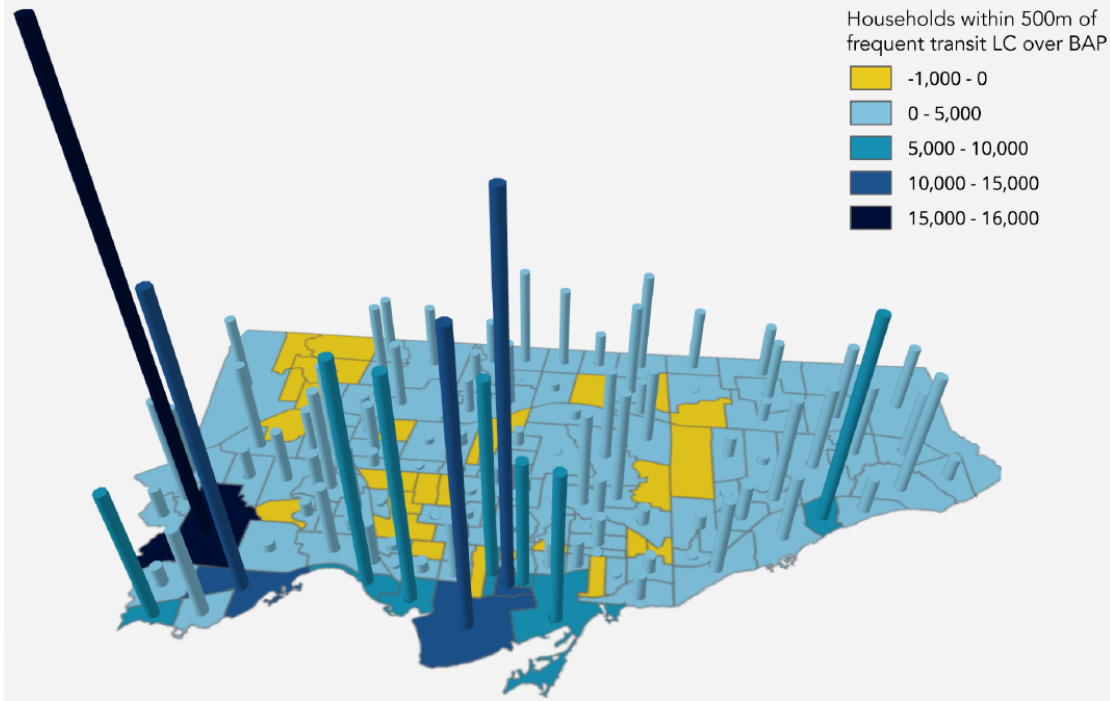
CHANGE IN YEARLY COMMERCIAL/INDUSTRIAL ENERGY EXPENDITURES PER m2 OF FLOORSPACE IN THE CITY OF TORONTO LOW CARBON SCENARIO (LCS) OVER BUSINESS AS PLANNED (BAP), 2050



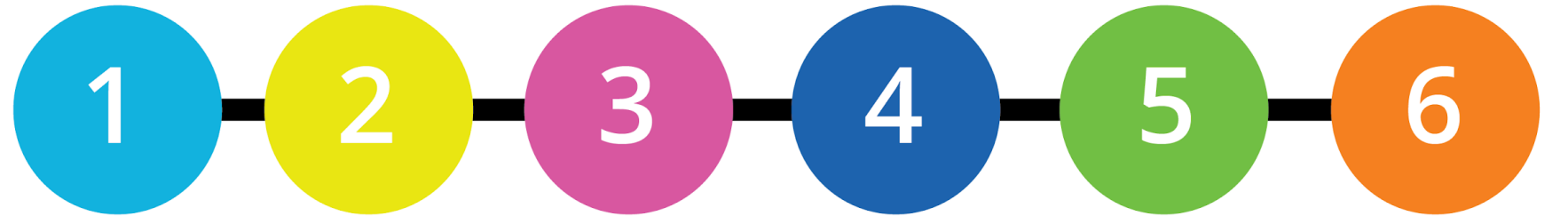
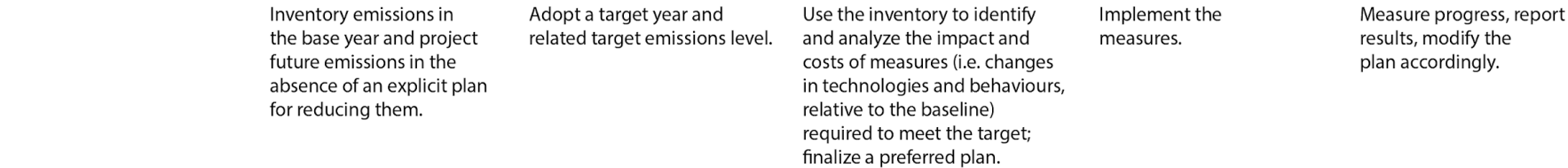
# SUSTAINABILITY

## ACCESS

INCREASE IN HOUSEHOLDS WITHIN 500m OF FREQUENT TRANSIT IN THE CITY OF TORONTO LOW CARBON SCENARIO VERSUS BUSINESS AS PLANNED, 2050



TECHNICAL



PREPARATION

INVENTORY

TARGET SETTING

SCENARIOS &  
ACTIONS

IMPLEMENTATION

MONITORING &  
EVALUATION

Identify & establish the partnerships and working relationships needed to produce the emissions inventory, and involve the key influencer (of GHGS in the community) and stakeholders in generating the baseline outlook.

Engage the influencer /stakeholder community in the target setting exercise or, in the case of an externally established target, in the explanation of the rationale for the target.

Work with influencers and stakeholders to identify alignments and/or conflicts between their goals and aspirations and the measures for achieving a low carbon outcome.

Implement policies, strategic partnerships, bylaws and other identified opportunities for accelerating adoption of the measures in the plan through targeted support of the key GHG influencers

Work with stakeholders and partners to share data, assess progress, and continuously improve the plan.

HUMAN

# ENGAGEMENT

## Projected Changes in Annual Emissions

GHG emissions in Toronto are projected to decrease over the next 30 years. In the Business as Planned scenario (assuming all current plans and programs are achieved) the decline is evident, however it is not enough to reach our 2050 target of 80% reductions by 2050. There is a gap of approximately 8.7 million tonnes of carbon between our project 2050 emissions and our goal.

To close the gap, TransformTO: Report #2, was unanimously approved by Toronto City Council in July 2017.

Analysis shows that the 2050 goal is achievable with existing technologies, but it means bold action is required to transform Toronto's urban systems – buildings, energy, transportation and waste. Where Toronto is already on the correct trajectory, we need to stay the course. In other areas, we need to increase the scale and pace of change.

