

# Climate Action Plan 2050

City of Buenos Aires

EXECUTIVE SUMMARY - APRIL 2021

Solar panels on the Metrobus (Bus Rapid Transit) 9 de Julio Avenue

# About the Climate Action Plan 2050

In Buenos Aires, we have committed to being a carbon neutral, resilient and inclusive city by 2050. This Climate Action Plan (CAP) has been developed as part of a broad review and update of two previous plans.

Based on several years of ongoing climate action in the city, this third plan is more ambitious in its scope and goals, responding to the ever growing global need to tackle the climate crisis and in line with the objectives of the Paris Agreement.

Since 2003, we have put together annual greenhouse gas inventories that have allowed us to establish a solid foundation to build our evidence-based emissions reduction strategy.

In Buenos Aires, with more and more heatwaves and sustained annual rainfall, we're already clearly feeling the effects of climate change. Our adaptation strategy is based on a rigorous analysis of future climate risks which point to a persistent increase of these negative impacts over the coming decades.

The concept of inclusion was essential in the construction of this plan. We are prioritizing actions aimed at the sectors most vulnerable to the effects of climate change, and have generated spaces for

different local sectors and stakeholders to participate in the climate action development process. Their voices are fully reflected in this plan.

The climate agenda has for many years been one of the central axes of city government in Buenos Aires, and we already have in place solid structures of articulation between all related government areas. These enabled us to better coordinate in the design, identification and selection of climate actions for this updated plan which will lead us to lowering present and future climate risks; achieving a fair distribution of environmental, social and economic benefits; and reducing our emissions by 53% by 2030 and by over 84% by 2050.

We initially selected over 100 climate-related actions, which we evaluated along emission reduction, climate risk, associated co-benefits and implementation feasibility criteria. This process led us to prioritize 19 main high climate impact actions and added a further 5 actions with specific associated benefits linked to concepts like inclusion and public health, in response to demands from some of the sectors involved in the plan development process.

Ultimately, this climate action plan provides a roadmap with a set of short, medium and long-term goals that will allow us to achieve our most ambitious objectives.





# City of Buenos Aires in numbers

15

COMUNES



202 km<sup>2</sup>

3M+

INHABITANTS  
(7% OF THE ARGENTINE  
POPULATION)

3M+

PEOPLE ENTER  
THE CITY P/DAY

11M

TOURISTS P/YEAR



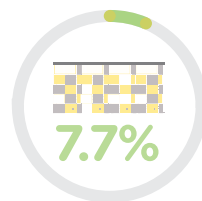
53%  
WOMEN



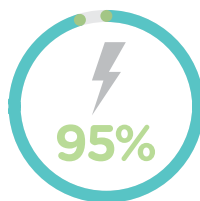
20%  
UNDER  
15 S



21%  
OVER  
60 S



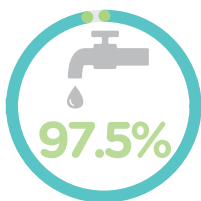
of the population  
reside in vulnerable  
neighbourhoods



of the  
population  
with electricity



of the  
population with  
sanitation



of the  
population  
with access to  
drinking water



national GDP

METROPOLITAN AREA  
OF BUENOS AIRES

40+ MUNICIPALITIES  
CITY OF  
BUENOS AIRES

ALMOST  
40%

of the country's  
population

14M  
INHABITANTS

OF  
NATIONAL  
GDP  
50%

## ENVIRONMENTAL DATA

6,700 t OF SOLID URBAN  
WASTE P/DAY

6,2m<sup>2</sup> GREEN SPACES  
P/INHABITANT

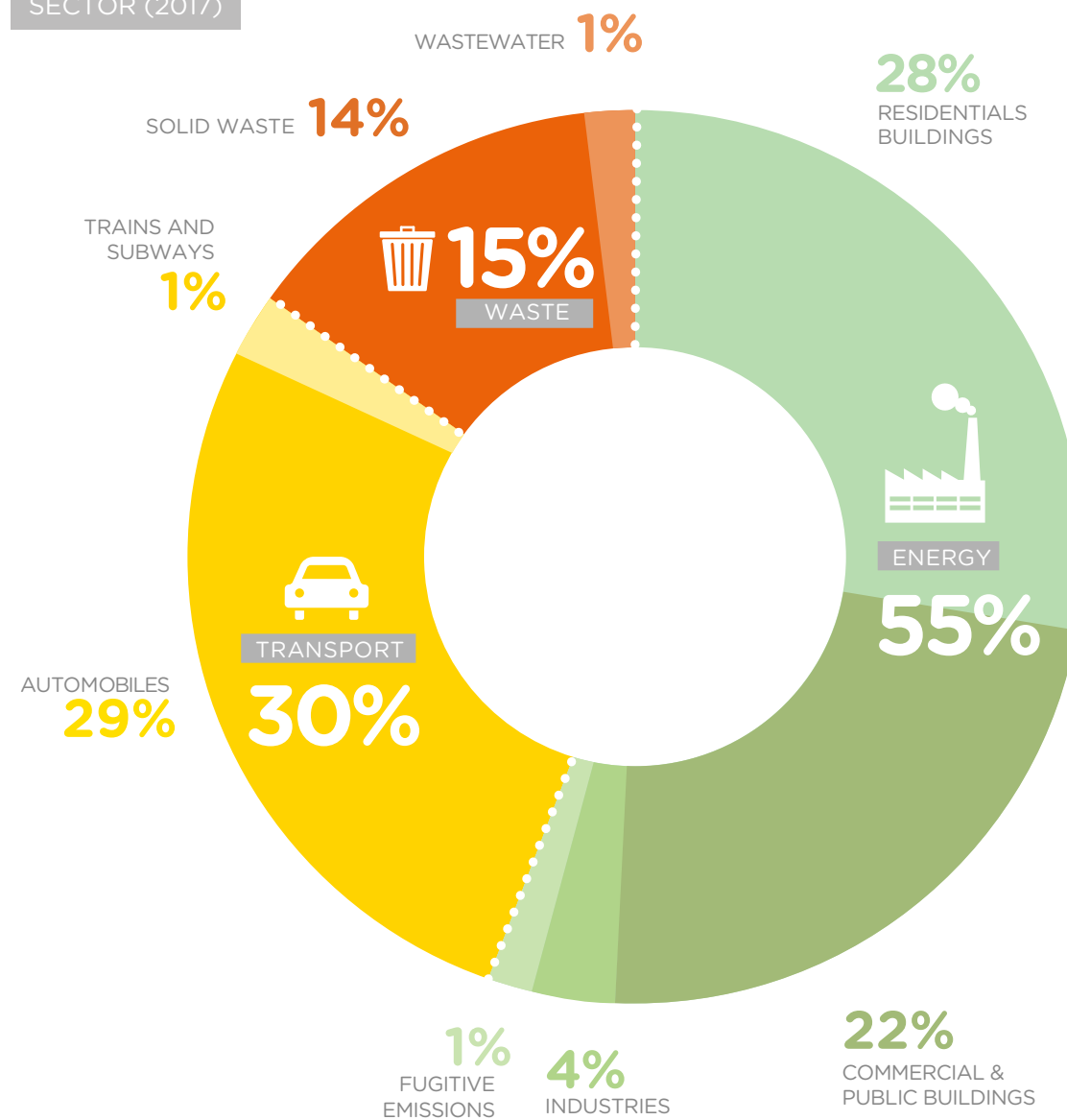


431,000  
TREES

3 ECOLOGICAL  
RESERVES

1,300 GREEN  
AREAS

## GHG EMISSIONS PER SECTOR (2017)



ANNUAL AVERAGE  
CO EMISSIONS

0.6% ppm

ANNUAL AVERAGE  
NO<sub>2</sub> EMISSIONS

20 ppb

ANNUAL AVERAGE  
PM<sub>10</sub> EMISSIONS

26 µg/m<sup>3</sup>



3.5 MW

ELECTRICITY CONSUMPTION  
PER INHABITANT  
PER YEAR



267km

BICYCLE PATHS



# Future scenarios

As part of the plan development process, three future emissions scenarios were created:

### BAU (Business as usual) scenario

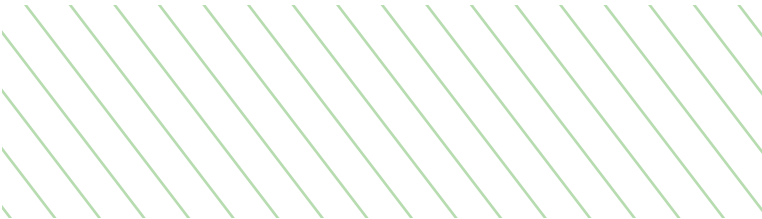
No mitigation action. Economic and demographic growth, and expected energy use were taken into account. In this scenario, emissions would grow at a rate of almost 2% per year, from 13.0 million tons of CO<sub>2</sub> eq in 2015 to 16.5 million in 2030 and 21.6 million in 2050.

### Initial scenario

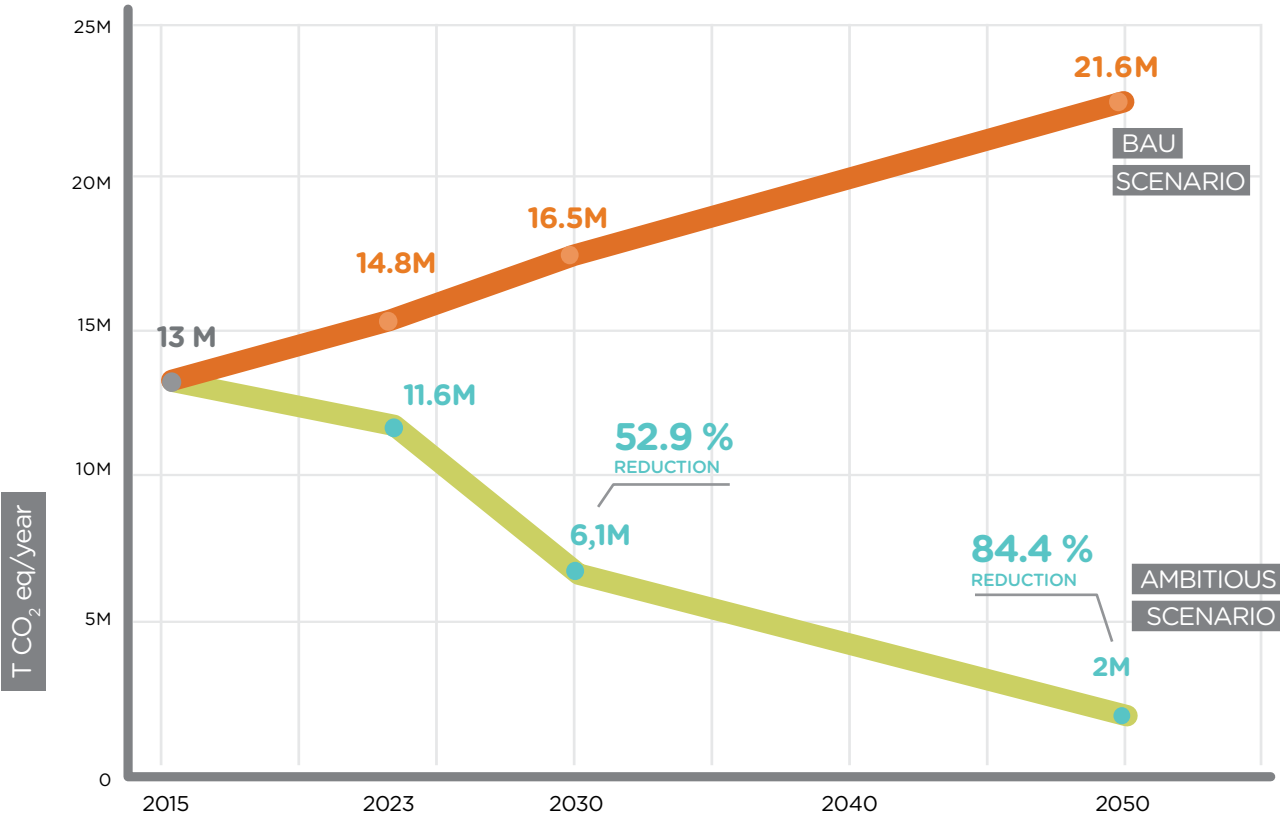
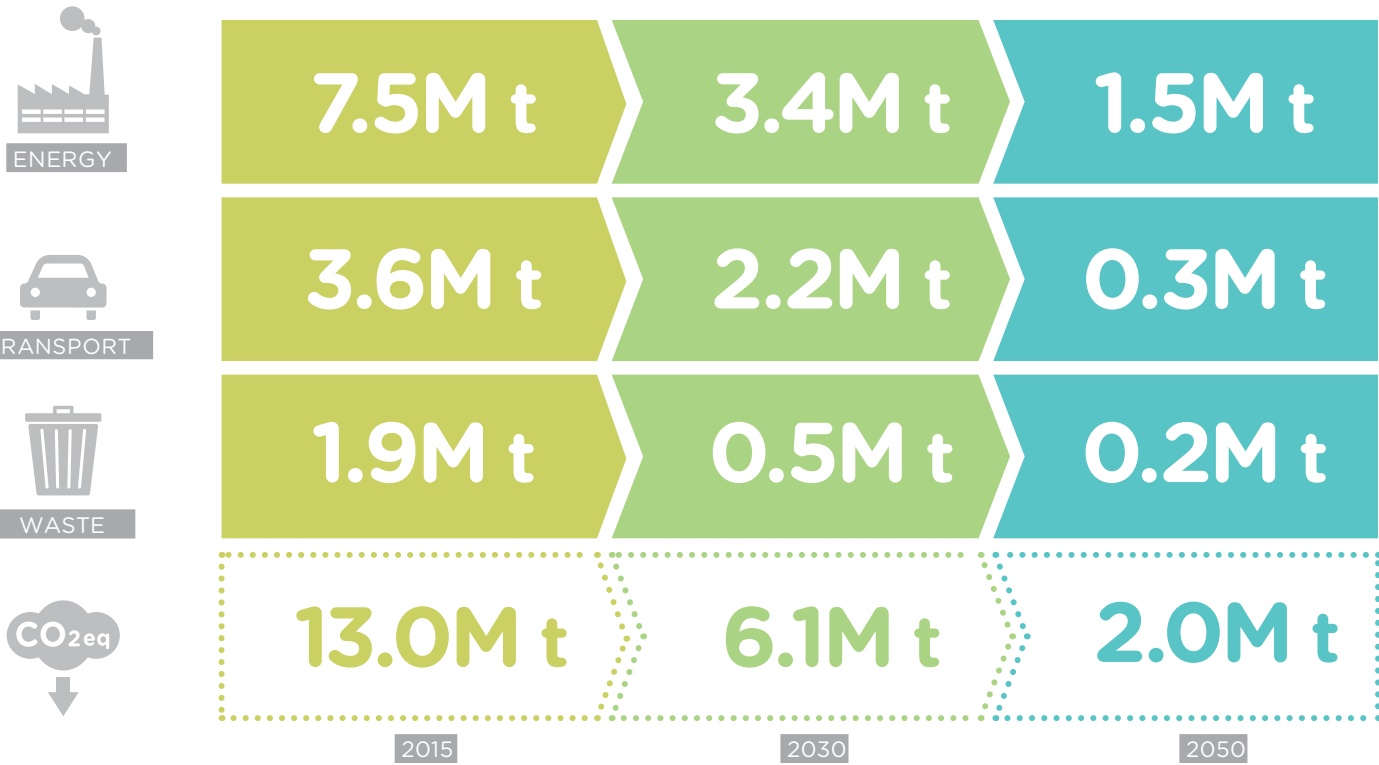
Here, emissions projections were developed taking into account existing or planned climate actions as of 2017. This scenario ensured we would meet or even exceed previous goals.

### Ambitious scenario

Following on from our commitment in 2017 to strongly reduce emissions by 2030 and become fully carbon neutral by 2050, this scenario is based on more ambitious multi-GHG emitting sector strategies and goals. We drew up an emissions trajectory scenario in line with the requirements of the Paris Agreement that enables us to achieve a 52.9% reduction in emissions by 2030 and a 84.4% reduction by 2050 compared to base year 2015 emissions..



GHG EMISSIONS PROJECTIONS  
PER SECTOR & BY TOTAL



# Our action areas

## A prepared city

Able to adapt quickly in the face of new challenges. A city with stronger and more sustainable infrastructure, that uses the natural environment with better tree coverage and public green spaces to help mitigate the effects of climate change.

## A city that prioritizes proximity

A polycentric city, designed on a human scale with the pedestrian in mind, promoting more efficient and sustainable mobility, and improving residents' well-being and quality of life.

## An innovative and low-carbon city

Achieving emissions reductions through energy transition in transport and distributed generation, a rational and more efficient use of energy, the promotion of the circular economy and an intelligent waste management system.



## An inclusive city

Guaranteeing a fair distribution of the benefits of climate action, as well as promoting environmental education, improving health and air quality, a more sustainable diet and the integration of all neighborhoods.





# Our actions and targets

PILLAR	ACTION	GLOBAL TARGET ASSOCIATED WITH THE ACTION
 <b>A prepared city</b>	Large infrastructure projects to reduce risks	No single person requiring evacuation as a result of extreme weather conditions by 2050
	Using the environment as a solution	All flood-risk zones in the city to be connected to Stormwater Management Ponds by 2050
	Storm and flood preparedness	No injuries caused by storms by 2050
	More and better trees	100,000 more trees by the year 2025
	More and better green spaces	400m average distance from a local green space for every resident by 2025
 <b>A city that prioritizes proximity to local amenities</b>	Prioritizing pedestrians	15 new pedestrian zones across the city by 2030
	Calles de encuentro [streets to meet]	48 "calles de encuentro" (a pedestrian street in every one of the city's 48 neighbourhoods designated for neighbourhood meetings and cultural events)
	More bikes, fewer emissions	1 million daily journeys to be taken by bike by 2023
	Efficient public transport	30% reduction times on Bus Rapid Transit (BRT) travel system ("Metrobus") by 2035
 <b>An innovative and low carbon city</b>	Low-emission transport	100% of buses to be zero emissions by 2050
	Efficient urban logistics	2 ultra low emission zones to be created by 2030
	Improving residential buildings	80% of residential buildings to be retrofitted according to modern energy efficiency standards by 2050
	Efficient new buildings	Annual carbon dioxide reduction equivalent of 3.5 million tonnes (3.5 mt CO <sub>2</sub> eq)
	Efficient public buildings	All public buildings in the city to have energy efficiency plans by 2025
	Towards clean energy	40% of new buildings to use solar thermal energy by 2030; 70% by 2050
	Towards a circular economy	80% of green waste to be composted by 2030
	Better waste separation at origin	100% of paper and cardboard to be treated/ recycled by 2050
	Better waste treatment	80% of organic waste treated by 2040
 <b>An inclusive city</b>	Integrating neighbourhoods	Access to basic services for all local populations involved in the urbanization projects in vulnerable neighbourhoods by 2030
	Resident preparedness	All neighbourhood centres for vulnerable older adults to run the city's adaptation programmes on extreme weather events
	Public health network	All residents without health coverage and at risk of negative health impacts caused by extreme weather conditions to be registered in the public health system by 2030
	Clean air	100% compliance with WHO air quality standards
	Sustainable foodstuffs	All vulnerable neighbourhoods to contain vegetable gardens by 2025
	Green Schools	All public schools in the city to teach specific curricula that enable them to be classified as Green Schools (Escuelas Verdes) by 2030