

Guadalajara, Mexico

Population	1.4 million
Size	893 km ²
GHG Profile	23,787,113 tCO ₂ e total or 4.66 tCO ₂ e in 2022
High-emission sectors	Energy & Buildings (67%) Transport (28%) Waste (5%)



From Planning to Implementation

Guadalajara is accelerating its Climate Action Plan as transport and energy emissions drive the need for systemic change. Energy stands out as the most pulling sector, underscoring the urgency to act. Transport accounts for 28% of emissions, while energy inefficiencies in public buildings strain city resources and drive up costs. Addressing these sectors is key to reducing emissions and strengthening urban resilience. The **Urban Climate Action Programme – Climate Action Implementation (UCAP CAI)** is embedding climate action with the city of Guadalajara leading the implementation of high impact actions while inspiring cities within the metropolitan area to scale-up. By aligning policy, finance, and technical capacity, the programme is integrating **low-emission zones** and **decarbonisation of existing public buildings** into long-term urban strategies.



Transport & Mobility

Launching Mexico's First Low Emission Zone for Cleaner Air

Establishes Mexico's first LEZ and integrates clean air planning into metropolitan transport policy, laying the groundwork for replication across nine municipalities.

- **First Low-Emission Zone publicly declared in Guadalajara**, positioning the city as a national leader in climate-aligned mobility.
- **LEZs integrated into the Metropolitan Integrated Urban Mobility Plan (PIMUS) and Replicability Strategy in progress**, which will allow LEZ implementation across all nine municipalities of the Metropolitan Area of Guadalajara.
- **Development and governance plan under preparation**, expected to formally embed LEZ consolidation into city goals by mid-2025.



Energy & Buildings

Enhancing Energy Decarbonisation in Existing Public Buildings

Establishes a scalable energy decarbonisation framework for public buildings, underpinned by regulatory reform, and long-term emissions reduction goals, while scaling up the ambition to a metropolitan-level.

- **Zero Carbon Buildings Roadmap to 2050 completed**, providing a strategic pathway for decarbonising Guadalajara's public buildings including an Energy Efficient Public Procurement Manual, with adoption expected to embed energy efficiency targets into purchasing decisions.
- **Energy Decarbonisation Scaling Up Strategy started with the Metropolitan Area of Guadalajara**, coordinating regional stakeholders across all nine municipalities.
- **Internal Auditor Training Program** on Energy Management Systems aimed at building local capacities to implement, audit, and improve energy management in public buildings in line with ISO 50001:2019 standards.



Climate Mainstreaming

Strengthening GHG reporting and climate governance for CAP implementation

Builds institutional capacity for data-driven climate governance and embeds emissions tracking into long-term urban planning.

- **MER systems were strengthened and a GPC-compliant GHG inventory completed**, aligning Guadalajara with global reporting standards and enabling informed decision-making.
- **Inclusive climate action training delivered**, building institutional capacity to integrate equity across climate strategies.
- **Strengthening climate finance access** to execute the LEZ Consolidation Strategy of Guadalajara.

Guadalajara Trailblazing Path to Net-Zero Public Buildings by 2050

UCAP CAI has developed with **Guadalajara** a first of its kind groundbreaking roadmap to **achieve net-zero carbon public buildings by 2050**. It aims to **improve energy efficiency and increase the use of renewable sources in public buildings**. It focuses on retrofitting, among others, **218 police precincts, 16 fire stations, 71 museums, and other facilities** to meet energy efficiency standards and ensures that all new public buildings are constructed under strict energy efficiency criteria. Moreover, **50% of existing buildings will be renovated** to meet these standards. This will strengthen the city's **energy performance** and **drive green jobs creation** while supporting a just energy transition, positioning Guadalajara as a leader in urban climate action inspiring other Mexican cities to implement similar strategies for decarbonizing public infrastructure.



Figure 1: Guadalajara will adopt an energy efficiency and decarbonization roadmap for existing public buildings.



"Transforming mobility and the air we breathe requires more than just willingness: it requires vision, technical expertise, and strategic partnerships. With the support of C40 and the UCAP CAI program, we are making progress in building a resilient and sustainable city model in the heart of Mexico."

Paulina Cervantes, Director of Environment, Guadalajara.

It is estimated that by 2025 the Low Emission Zone could*:

Avoid 2.1 million car trips	Reduce PM2.5 emissions by 0.13 t/year and NOx by 1.4 t/year	Save 2,586 tCO₂ emissions annually
-----------------------------	---	--

Supported by UK government funding (2022–2025), the Urban Climate Action Programme – Climate Action Implementation (UCAP CAI) accelerates progress against the delivery of Climate Action Plans (CAPs) in 15 Global South cities, in line with the Paris Agreement's 1.5°C target.

UCAP CAI Cities: Accra - Addis Ababa - Dar Es Salaam - Johannesburg - Lagos - Nairobi - Tshwane - Bogota - **Guadalajara** - Lima - Medellin - Mexico City - Jakarta - Kuala Lumpur - Quezon City

Last updated: 10/06/2025

For more information, contact osaracho@c40.org, and visit our webpage [here](#)!



Climate Action
Implementation

