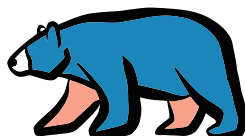




tumi
E-Bus Mission



Deep Dive City
Monterrey
Mexico

ebus.transformative-mobility.org
[@TUMInitiative](https://twitter.com/TUMInitiative)
[@transformativemobility](https://facebook.com/transformativemobility)
[Transformative Urban Mobility Initiative](https://youtube.com/transformativeurbanmobility)

General Information about the City¹



Population
1.1 million (2015)
(Metropolis: 4.7 million)



City area
324.8 km²
(Metropolis: 7657 km²)



Average temperature
23°C



Annual rainfall
620 mm/year



Number of car ownership
400 cars per 1000 inhabitants



GDP (US Dollars)
90.8 million

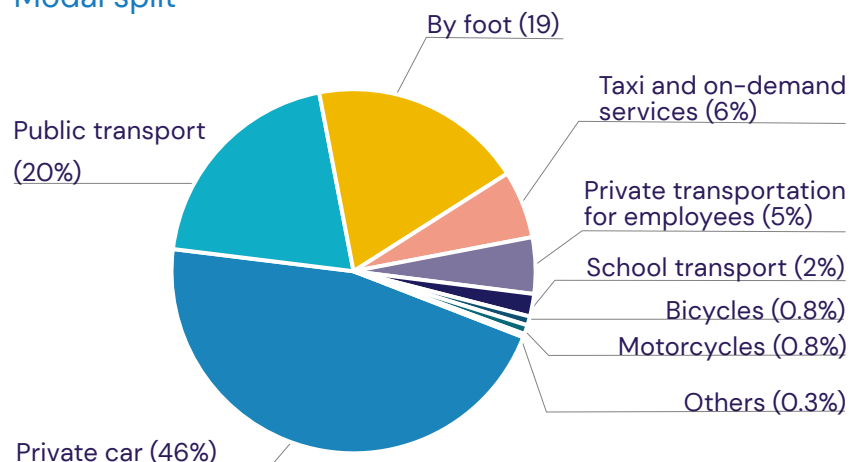


Climate risks
Hot temperatures
(heat waves and droughts)
Tropical storms
(cyclones and hurricanes)
Heavy rain (flash floods)



Urban Mobility System²

Modal split



Public transport modes

- Metro /Transporte Colectivo Metrorrey): 3 lines and 3 under planning
- Ecovía (BRT): 1 line
- Transmetro: Metrobús (metro feeders) MetroEnlace (suburban metro feeders) DIF Circuits (for people with disabilities) Private operated bus routes Taxis



Carried passengers (Avg. daily demand)

2.9 millions daily boardings:
80% buses
20% Massive and integrated services: Metrorrey, Ecovía, Metrobús, Metroenlace and Transmetro

Gender equity (Share of women of total travels)

47%

Total No. of routes

401 services, including all of the transportation modes (listed above, except taxi)

Climate and Urban Mobility Policies^{3,4,5,6}

Vision for net zero urban mobility

Electrification of the TransMetro routes.



Ongoing projects and planned projects³

C40 Cities Finance Facility:

Studies for implementation of four new bus corridors, including a connection to the airport. They will operate with electric buses and ensure access to the Metro system and BRT, promoting economic development and the area in northeast Monterrey (+110 e buses of 12 metres).

Political commitments

C40 Cities Finance Facility:

shift buses to low or zero emission technologies.

Experiences

Electrifying the TransMetro BRT lines:
connecting MA to new metro lines to improve connectivity and travel times.

Electric Buses

Targets for electric bus adaption

- 1 Procurement for 110 electric buses for 4 feeder routes to Metrorrey line 3.
- 2 Electrify 3 more feeder routes to other metro lines.

Business Model

State government will provide charging infrastructure and the energy (using Metro infrastructure), procurement of buses by private operators.

Bus technology share



ICE – Buses

80

natural gas buses

E-Buses

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Status
June 2022

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4 Monterrey's Transportation Network – TELTRONIC

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6 C40

