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 (20%)
  - Private car (46%)
  - Taxi and on-demand services (6%)
  - Private transportation for employees (5%)
  - School transport (2%)
  - Bicycles (0.8%)
  - Motorcycles (0.8%)
  - Others (0.3%)

- **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 projects\(^3\)**
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.

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**Electric Buses**

**Targets for electric bus adaption**

<table>
<thead>
<tr>
<th></th>
<th>Procurement for 110 electris buses for 4 feeder routes to Metrorrey line 3.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Electrify 3 more feeder routes to other metro lines.</td>
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</tbody>
</table>

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

**Bus technology share**

<table>
<thead>
<tr>
<th>ICE – Buses</th>
<th>E-Buses</th>
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<tbody>
<tr>
<td>80</td>
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</table>

natural gas buses

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**References:**
1. Cities driving growth | Grant Thornton International
2. PIMUS
3. C40 Cities Finance Facility | Monterrey (c40cff.org)
4. Monterrey’s Transportation Network – TELTRONIC
5. Ecovia in Monterrey --- How Bus Rapid Transit is Transforming Urban Mobility (worldbank.org)
6. C4O

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