

# Colombia



Colombia is experiencing a large increase in transport demand, fuel consumption, and related CO<sub>2</sub> emissions. Transport is the largest CO<sub>2</sub>-emitting sector in the country, and emissions are above the average of other middle-income countries.

The country's national climate action plans outline a comprehensive set of sustainable transport measures. At the local level, Colombian cities are leading in BRT development. Recent transport developments focus on the implementation of subway systems and electrification of public buses. However, electric car uptake is still largely missing in Colombia, yet it is highly needed in order to address the poor CO<sub>2</sub>-performance of the current road vehicle fleet.

Income group: Middle-income

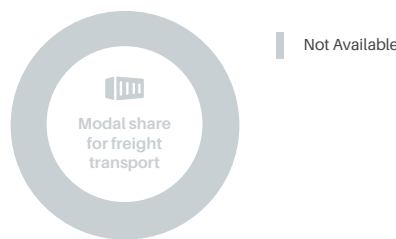
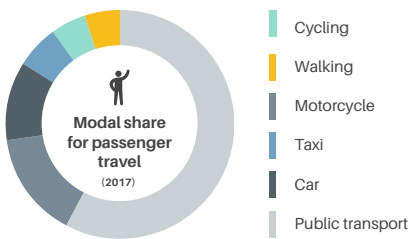
Human Development Index: 0.77

	Population size (2020)	Urban population share (2020)	GDP per capita (2019)
<b>Total</b>	50.9 million	80.4%	7842.9
<b>Growth</b> (2010 to 2020)	12.5%	14.2%	38%

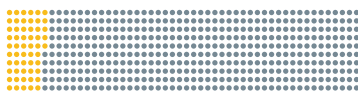
## Mobility Demand Trends

**Passenger travel activity**  
Not available

**Freight transport activity**  
Not available



**Car ownership growth (2005 to 2015)**  
110.6 vehicles per 1,000 people



**+29%**

**Vehicle sales (2019)**

**Passenger** (Growth 2010 to 2019) **-0.22%**  
220 581  
**Commercial** **10.1%**  
28 108

**Fuel consumption (2018)**

**10 660**

thousand tonnes of oil equivalent  
+47% (2010 to 2018)

Average light duty fuel economy consumption (2017)  
Not available



**Diesel**  
US cents per litre (2018)

**74**

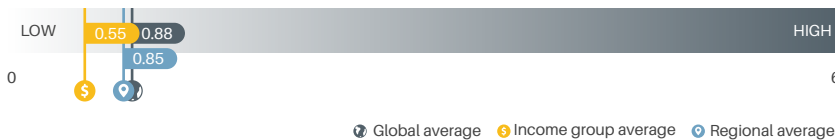
**Super gasoline**  
US cents per litre (2018)

**101**

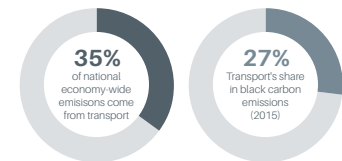
## Transport Emission Trends

**Transport CO<sub>2</sub> emissions (2019)**  
30.7 million tonnes

**Per capita transport CO<sub>2</sub> emissions (2019)**  
0.6 tonnes

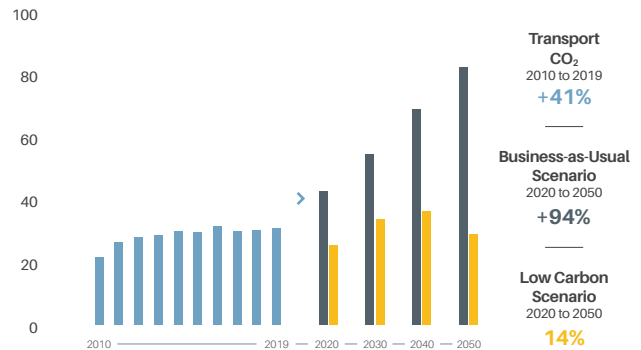


**Largest CO<sub>2</sub> producing sector in the country**



## Low Carbon Transport Pathways

Transport strategy identifies climate change	✓
Long-term strategy submitted to UNFCCC	Not submitted
NDC submitted	1st and Updated NDC
NDC highlights transport for GHG mitigation	✓
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	✓
Scenario envisions 600,000 electric vehicles by 2030	
Voluntary National Review highlights transport	✓
2016 VNR with transport linkages to SDG 3, SDG 8 and SDG 13	



### Transport measures in NDC

#### Mitigation

- General e-mobility
- Smart charging policies
- Vehicle efficiency standards
- Vehicle labelling
- EV purchase incentives
- General transport subsidies
- General logistic General aviation improvement
- General freight efficiency improvements
- Freight transport shifting to rail or inland

- Cycling measures
- Development density or intensiveness
- General infrastructure improvements
- Emission standards

#### Adaptation

- Information system (focusing on mobility)
- Risk assessment
- Transport planning for adaptation
- Monitoring
- Education and training
- Information system (focusing on mobility)

Sustainable Mobility Planning & Transport Demand Management	
National Urban Mobility Framework (2020)	✓
<b>Targets</b>	<ul style="list-style-type: none"> <li>Pilot projects in medium-sized cities in development</li> </ul>
Sustainable Urban Mobility Plans (2020)	✓
Low Emission Zones (2020)	✗

Walking and Cycling	
National walking and cycling strategies (2020)	Walking and cycling included in national development plan
<b>Targets</b>	<ul style="list-style-type: none"> <li>To develop a national action plan guiding walking and cycling promotion</li> </ul>
Cycling infrastructure in capital (2020)	550 km of bikelanes

Urban Passenger and Freight Transport	
Bus rapid transit (2020)	225 km in 7 cities
Urban rail (LRT, metro, tram) (2020)	31 km in 1 city
Bus rapid transit daily passenger volume (2020)	3071541
Rapid Transit to Resident Ratio (2019)	9.8

Passenger and Freight Railways	
Rail network (1994)	1915 km
High-speed rail (2018)	Not available
High-speed rail travel activity (2018)	Not available
National plans for passenger and freight rail expansion (2020)	✓
<b>Targets</b>	<ul style="list-style-type: none"> <li>Enhance the competitive advantages of railways</li> <li>Double commercial operation length from 420 km to 1,077 km by 2024</li> <li>Implement intermodal cargo mobilization strategy</li> </ul>
Rail travel activity (1990)	141 million passenger-km
Rail freight activity (1994)	2216 million ton-km

Shared Mobility Services	
Bike-sharing systems (2020)	16 systems
Electric scooter services (2020)	1 operator in 1 city
Carsharing services (2021)	2 services
National legal frameworks for shared mobility (2020)	Not available
Autonomous vehicles in operation or in preparation (2020)	Not available
Autonomous vehicles strategies (2020)	Not available

Fuel Economy	
Emission standards for LDVs (2018)	Euro 2
CO2 emissions performance for LDVs (2017)	Not available
Emission standards for HDVs (2018)	Euro IV
Targeted CO <sub>2</sub> emissions performance	Not available

Electric Mobility	
Electric vehicles (2019)	Not available
Market share of electric vehicles (2019)	Not available
No. of cities with electric buses (2019)	3
ICE phase-out targets	2035

Renewable Energy	
Biofuel blend mandate (2019)	10% Biodiesel, 10% Ethanol
Renewable energy (biofuels and electricity) share in transport (2018)	7.2%
Targeted % of renewable energy	Not available

Aviation	
Air passengers carried (2019)	37 million people
Air freight activity (2019)	1547.7 million ton-km
Carbon-accredited airports (2020)	1 airport
<i>of which carbon neutral</i>	✗

Shipping	
Liner shipping connectivity index (2019)	45.4
Container port traffic (2019)	4254900 TEU

COVID-19	
Traditional transport infrastructure investment	Not available
Clean transport infrastructure investment	Not available

This fact sheet is part of the SLOCAT Transport and Climate Change Global Status Report - 2nd edition.

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#### List of acronyms

<b>GDP</b>	Gross-domestic product
<b>HDV</b>	Heavy-duty vehicle
<b>ICE</b>	Internal combustion engine
<b>LDV</b>	Light-duty vehicle
<b>LRT</b>	Light-rail transit
<b>NDC</b>	Nationally determined contribution
<b>TEU</b>	Twenty-foot Equivalent Unit
<b>UNFCCC</b>	United Nations Framework Convention on Climate Change
<b>VNR</b>	Voluntary national review of the Sustainable Development Goals
<b>WLTP</b>	Worldwide harmonised light vehicles test procedure