

# New Zealand



New Zealand has experienced a modest growth in the transport of passengers and goods since 2010, resulting in a 14% increase in transport CO<sub>2</sub> emissions. Transport is the largest CO<sub>2</sub>-emitting sector in the country, and is powered primarily by fossil fuels.

New Zealand has announced a long-term vision to be carbon-neutral by 2050. This vision has not yet been translated into a strategy for transport. However, cities are working to promote walking and cycling, and New Zealand has recently started promoting the use of electric vehicles.

Income group: High-income

Human Development Index: 0.93

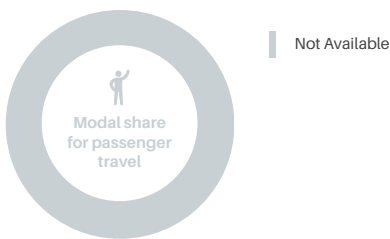
	Population size (2020)	Urban population share (2020)	GDP per capita (2019)
<b>Total</b>	4.8 million	86.9%	40084.9
<b>Growth</b> <small>(2010 to 2020)</small>	10.4%	11.3%	30.8%

## Mobility Demand Trends

### Passenger travel activity

3 578

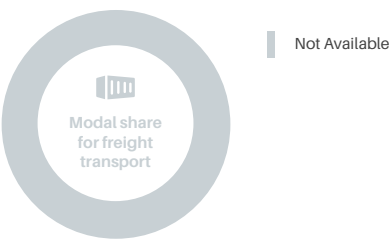
million passenger-km in 2019  
+13% (2010 to 2019)



### Freight transport activity

29 202

million ton-km in 2019  
+16% (2010 to 2019)



### Car ownership growth (2005 to 2015)

803.5 vehicles per 1,000 people



+26%

### Vehicle sales (2019)

**Passenger** (Growth 2010 to 2019)  
104 090 **-3.3%**  
**Commercial**  
50 389 **4.2%**

### Fuel consumption (2018)

5 347

thousand tonnes of oil equivalent  
+17% (2010 to 2018)

Average light duty fuel economy consumption (2017)  
Not available



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

111

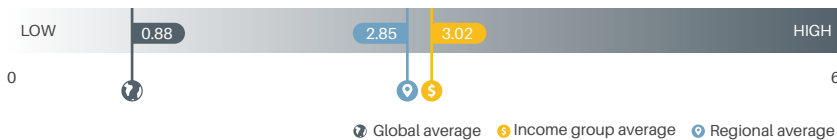
**Super gasoline**  
US cents per litre (2018)

154

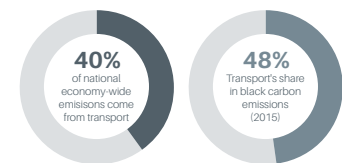
## Transport Emission Trends

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

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

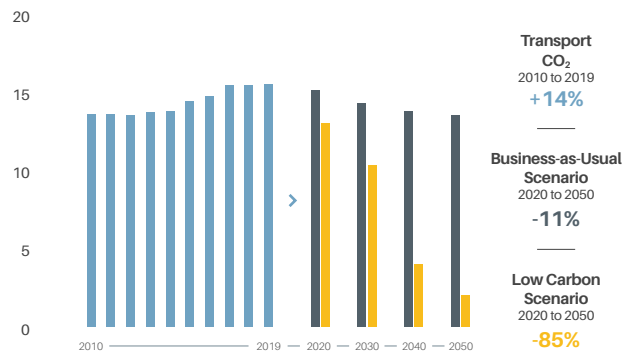


### Largest CO<sub>2</sub> producing sector in the country



## 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	Not available
Voluntary National Review highlights transport	✓
2019 VNR with transport linkages to SDG 3, SDG 7, SDG 8, SDG 11 and SDG 13	



### Transport measures in NDC

Mitigation • Not available

Adaptation • Not available

## Sustainable Mobility Planning & Transport Demand Management

National Urban Mobility Framework (2020)	✓
Sustainable Urban Mobility Plans (2020)	Auckland developed first such plan in 2006
Low Emission Zones (2020)	Not available

## Walking and Cycling

National walking and cycling strategies (2020)	Walking and cycling combined in National Land Transport Programme 2018-21
<b>Targets</b>	<ul style="list-style-type: none"> <li>Investments of NZD 390 million between 2018 and 2021, in support of uptake on walking and cycling</li> </ul>
Cycling infrastructure in capital (2020)	41 km of separated bikelanes

## Urban Passenger and Freight Transport

Bus rapid transit (2020)	6 km in 1 city
Urban rail (LRT, metro, tram) (2020)	192 km in 2 cities
Bus rapid transit daily passenger volume (2020)	22900
Rapid Transit to Resident Ratio (2019)	4.4

## Passenger and Freight Railways

Rail network (1998)	3908 km
High-speed rail (2018)	Not available
High-speed rail travel activity (2018)	Not available
National plans for passenger and freight rail expansion	✓
Rail travel activity (1998)	321 million passenger-km
Rail freight activity (2019)	3830 million ton-km

## Shared Mobility Services

Bike-sharing systems (2020)	8 systems
Electric scooter services (2020)	4 operators in 6 cities
Carsharing services (2021)	7 services
National legal frameworks for shared mobility (2020)	Subnational roadmaps
Autonomous vehicles in operation or in preparation (2020)	1
Autonomous vehicles strategies (2020)	✓

## Fuel Economy

Emission standards for LDVs (2018)	Euro 6
CO2 emissions performance for LDVs (2017)	Not available
Emission standards for HDVs (2018)	Not available
Targeted CO <sub>2</sub> emissions performance	Not available

## Electric Mobility

Electric vehicles (2019)	17700
Market share of electric vehicles (2019)	2.8%
No. of cities with electric buses (2019)	1
ICE phase-out targets	✗

## Renewable Energy

Biofuel blend mandate (2019)	7% Biodiesel
Renewable energy (biofuels and electricity) share in transport (2018)	0.1%
Targeted % of renewable energy	Not available

## Aviation

Air passengers carried (2019)	17.8
Air freight activity (2019)	1207.9
Carbon-accredited airports (2020)	3 airports
<i>of which carbon neutral</i>	✗

## Shipping

Liner shipping connectivity index (2019)	31.9
Container port traffic (2019)	3444356 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