Connecting New Zealand: graphs
Introduction

Connecting New Zealand: Graphs is a concise source of graphical illustrations from Connecting New Zealand: a summary of the government’s policy direction for transport. The order and style of the figures has been retained for consistency and ease of use. For the context around each figure see Connecting New Zealand. For more transport statistics see the Transport Monitoring Indicator Framework on the Ministry of Transport’s website.
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Figure 1 – Where our exports go

Based on New Zealand Trade Data 2010 from Statistics New Zealand
Figure 2 – Freight tonne-kilometres by mode 2006/07

- Rail: 14.6%
- Coastal shipping*: 14.9%
- Air: 0.4%
- Road: 70.1%

* Not including Cook Strait traffic

Source: National Freight Demands Study 2008

Figure 3 – Forecast growth in freight traffic generated in regions 2006–2007 to 2031

Source: National Freight Demands Study 2008
Figure 4 – Forecast growth in freight traffic attracted to regions 2006–2007 to 2031

Source: National Freight Demands Study 2008

Figure 5 – Total government transport expenditure as a percentage of gross domestic product

Note: Includes National Land Transport Fund, SuperGold card, KiwiRail Turnaround Plan expenditure, metro rail expenditure and other non-National Land Transport Fund expenditure. Excludes costs associated with the purchase of KiwiRail.

Source: Ministry of Transport, NZ Transport Agency, Statistics New Zealand
Figure 6 – Mode share of journeys to work: full-time workers’ travel 6am–9.30am

* Includes motorcycles, private vehicles and passengers in private vehicles.
** Includes journeys which may involve driving, walking or cycling to and from public transport centres.
Note: Each period is a 2 year (July to June) annual average.
Source: New Zealand Household Travel Survey, Ministry of Transport
Figure 7 – New Zealand population projections by age until 2031 (millions)

Figure 8 – Projected population growth in New Zealand by 2031
Figure 9 – Projected New Zealand population in 2031

- Auckland: 38%
- Waikato: 9%
- Bay of Plenty: 6%
- Wellington: 11%
- Canterbury: 13%
- Otago: 4%
- Rest of New Zealand: 19%

Source: Statistics New Zealand

Figure 10 – Freight tonne-kilometre projections

- Actual
- Baseline scenario
- High growth scenario

Source: Ministry of Transport
Figure 11 – Likely National Land Transport Fund expenditure
(excludes direct government funding referred to below)

State highways 56%
Local roads 21%
Public transport 11%
Other 12%

Figure 12 – Dubai crude oil price and exchange rates

Data source: Ministry of Economic Development
Figure 13 – Relative growth in tonne-kilometres and gross domestic product since 1992

Source: Ministry of Transport and Statistics New Zealand
Figure 14 – National Land Transport Programme expenditure

Figure 15 – Heavy vehicle travel on State highways and local roads
Figure 16 – Total passenger transport boardings

Source: Ministry of Transport

Figure 17 – Rail passenger boardings in Auckland and Wellington

Source: Ministry of Transport
Figure 18 – Variance over time of service cost versus patronage boardings

Source: NZ Transport Agency
Figure 19 – Energy emissions by sector in 2009

(The supply and consumption of energy accounted for 44 percent of total New Zealand emissions in 2009.)

Figure 20 – Tonnes of CO$_2$ e* per capita from domestic transport

* carbon dioxide equivalent emissions

Source: Ministry of Transport
Figure 21 – Visitor arrivals

Source: Statistics New Zealand
Figure 22 – Distribution of seabourne trade by value 2009/10

Source: Statistics New Zealand

Figure 23 – Cargo volumes by port 2008/09

Source: New Zealand Port Sector Report 2010, Rockpoint Corporate Finance Ltd

Note: Excludes Whangarei (6.7 million tonnes) and Gisborne (0.8 million tonnes) according to Statistics New Zealand
Figure 24 – Number of road deaths 1970–2008

Source: Ministry of Transport

Figure 25 – Road deaths per 100,000 population

Figure 26 – The Safe System

Source: Safer Journeys