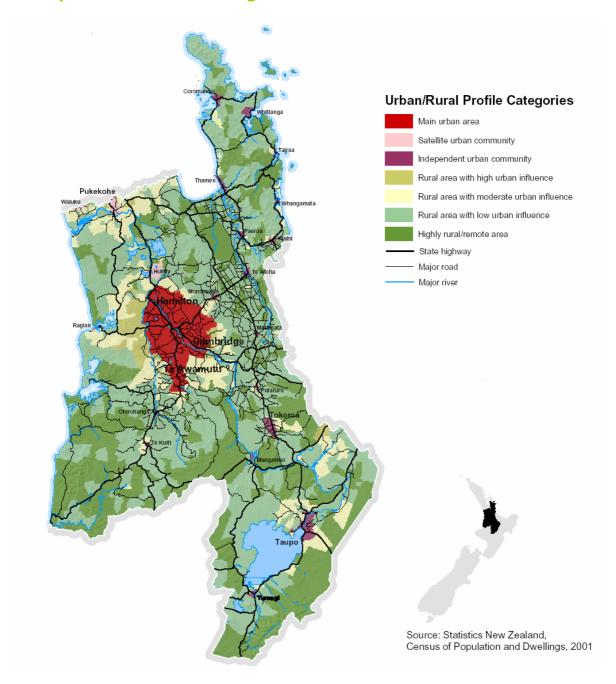


land transport at a glance

Waitomo District

Map of the Waikato Region



What is Land Transport At A Glance?

Land Transport At A Glance provides a brief overview of the state of the land transport system.

What does Land Transport At A Glance contain?

It contains key data that describes the contribution that land transport makes to the government's economic, social and environmental objectives for transport.

What is its purpose?

Land Transport At A Glance provides all approved organisations with an evidence base for decision-making.

Why do this?

The key strategic driver for providing data is the government's requirement that we be evidence-based and outcomes focused.

Timing

The release of Land Transport At A Glance coincides with the publication of the National Land Transport Programme (NLTP) by Land Transport NZ on 28 June 2006.

What are the limitations of the data?

This package is based on available data. There are gaps, which will be filled as quickly as possible. Where data does not presently exist, we will work with sector partners to obtain the data through research and other means.

Where does the data come from?

We have compiled data from a wide variety of sources and we will continue to refresh it from these sources. Sources of data have been stated under the graphs.

Is more data available?

A lot more data is available. A document containing detailed information about land transport is presently being prepared for release in December 2006.

Moving forward

In the long term the intention is to:

- publish Land Transport At A Glance each year in June to coincide with the release of the NLTP
- have land transport data available through Land Transport NZ's website.

Where can I get more information?

More information is available from the manager of performance information at your local Land Transport NZ office.

What if I have feedback?

Please contact the manager of performance information at your local Land Transport NZ office. We are keen to receive your feedback so that improvements can be made.

How do I contact land Transport NZ offices?

Phone	Northern Region	09 969 9800
	Midland Region	07 958 7840
	Central Region	04 931 8900
	Southern Region	03 964 2866

Statistics for 2005

Waitomo District Waikato Region

Population ° Carolina (mm²) ° Lathority (TA) ° Land area (km²) ° Land area (k						
9,610 384,800 4,098,900 2% 3,551 25,598 275,446 14% 1,5167,000,000 148,551,000,000 1,3041,000 148,551,000,000 11% 1,3167,000,000 148,551,000 11% 1,3167,000,000 148,551,000 11% 1,3168, 1,3167,000,000 148,551,000 11% 1,3168, 1,3169, 11% 11% 1,3169, 1,3169, 1,3169, 11% 1,3169, 1,3169, 1,3169, 1,3169, 1,3169, 1,3160,000 1,316, 1,316, 1,316, 1,3160,000 1,316, 1,316, 1,316, 1,3160,000 1,316, 1,316, 1,3160,000 1,316, 1,316, 1,3160,000 1,316, 1,316, 1,3160,000 1,316, 1,316, 1,3160,000		Territorial Authority (TA)	Region	National	TA as % of region	Region as % of nation
3,551 25,598 275,446 14% 1	Population ^D	9,610	384,800	4,098,900	2%	%6
6,526,000 13,081,000 13,081,000 148,551,000,000 148,551,000,000 11% 13,167,000,000 148,551,000,000 11%	Land area (km²) ^D	3,551	25,598	275,446	14%	%6
13,081,000 148,551,000,000 148,551,000,000 148,551,000,000 148,551,000,000 148,551,000,000 148,551,000,000 148,551,000,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,055,000 14,050,	Imports (gross tonne) ^{1 D}		6,526,000	1		10%
NM 13,167,000,000 148,551,000,000 148,551,000,000 11% P sport (\$) T J 9,285,000 81,851,000 86,666,000 11% 11% gs J - - 4,020,000 11% 11% 11% gs J - - 4,082,000 11%	Exports (gross tonne) ^{1D}		13,081,000	1		18%
sport (\$) T J 9,285,000 81,851,000 873,924,000 11% 11% ngs J - 1,973,000 86,666,000 11% 14,255,000 gs J - 4,082,000 2% 1,831,000,000 1,831,000,000 1,8831,000,000 1,88 h C A4,000,000 4,831,000,000 38,874,000,000 1,8 1,8 h C A4,000,000 4,831,000,000 38,874,000,000 1,8 1,8 h C A3,800,000 498,200,000 3,554,000,000 7,8 1,8 odiesel) (MJ²) [in 2004] b A5 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b 50 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b 50 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b 50 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b 50 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b 50 1,717 16,820 3,8 odiesel) (MJ²) [in 2004] b	Gross domestic product (GDP) (\$) M		13,167,000,000	148,551,000,000		%6
ngs J 1,973,000 86,666,000 R6,666,000 R6,666,000 R6,666,000 R6,142 - 4,082,000 R6,142 257,079 2,790,610 2% R6,142 257,079 2,790,610 2% R6,142 257,079 2,790,610 2% R6,200	Total TA expenditure on land transport (\$) T J	9,285,000	81,851,000	873,924,000	11%	%6
gs ^J - 14,255,000 Head (142) - 4,082,000 2% Head (142) 257,079 2,790,610 2% Head (142) 257,079 2,790,610 2% Head (142) 257,000 1% Head (142) 257,000 1% Head (142) 257,000 1% Head (142) 2% Head (142) 2% Head (142) 1% Head (142) 1% Head (142) 1% Head (142) 1% Head (142) He	Passenger transport - bus boardings J		1,973,000	86,666,000		2%
lings J 6,142 257,079 4,082,000 2% 2790,610 2% 44,000,000 4,831,000,000 38,874,000,000 1% 1% 1% 5 33,800,000 498,200,000 3,554,000,000 7% 1% 10 33,800,000 498,200,000 3,554,000,000 7% 1 10 10 11,717 1186,800,000,000 1 1 10 47 1,717 16,820 3% 1 10 4,87 4,87 32,819 8% 1 10 387 4,87 10,894 14% 1 10 1,729 10,894 8% 1 1 10 1,729 10,894 10,894 1 1	Passenger transport - rail boardings J		1	14,255,000		%0
(a) 142 257,079 2,790,610 2% 2% (b) 2 44,000,000 4,831,000,000 38,874,000,000 1% 1% (c) 2 (c) 25,000,000 33,800,000 498,200,000 7% 7% (c) 2 (c) 25,000,000 7% 7% 18 (c) 2 (c) 25,000,000 7% 18 18 (c) 3 (c) 25,000,000 7% 18 18 18 (c) 4 (c) 2 1,717 16,820 3% 18 14 18 14	Passenger transport - ferry boardings J		•	4,082,000		%0
1 (tonnes) [in 2004] P 44,000,000 4,831,000,000 38,874,000,000 1% 1% 1 (tonnes) [in 2004] P 33,800,000 498,200,000 6,075,000,000 7% 186,800,000,000 1 (tonnes) [in 2004] P 50 1,717 16,820 3% 1,717 2 (tonnes) [in 2004] P 50 1,717 16,820 3% 1,717 3 (tonnes) [in 2004] P 50 1,717 16,820 3% 1,40 4 (tonnes) [in 2004] P 50 1,717 16,820 3% 1,71 4 (tonnes) [in 2004] P 50 1,717 16,820 3% 1,71 5 (tonnes) [in 2004] P 50 1,698 16,423 3% 1,40 6 (s) 34 66,834 66,834 66,834 66,834 8% 1,72 7 (s) 32,819 8% 10,894 10,894 10,894 1,72 1,729 1,729 10,894 10,894 10,894 10,894 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72 1,72	Motor vehicles ^D	6,142	257,079	2,790,610	2%	%6
No	VKT (km) ^{v J}	44,000,000	4,831,000,000	38,874,000,000	1%	12%
D 33,800,000 498,200,000 3,554,000,000 7% diesel) (MJ²) [in 2004] D 186,800,000,000 186,800,000,000 186,800,000,000 t (tonnes) [in 2004] D 50 1,717 16,820 3% t (tonnes) [in 2004] D 47 1,698 16,423 3% t (tonnes) [in 2004] D 961 6,834 16,423 3% t (tonnes) [in 2004] D 33,7 14,% 8% t (tonnes) [in 2004] D 47 4,870 32,819 8% t (tonnes) [in 2004] D 33,819 8% 8% 8% t (tonnes) [in 2004] D 1,729 10,834 8% 8% t (tonnes) [in 2004] D 1,729 10,834 8% 8%	ls congestion an issue?	No				
J b diesel) (MJ²) [in 2004] ^D 6,075,000,000 6,075,000,000 1 t (tonnes) [in 2004] ^D 50 1,717 16,820 3% 8 t (tonnes) [in 2004] ^D 50 1,717 16,820 3% 8 t (tonnes) [in 2004] ^D 50 1,717 16,820 3% 8 t (tonnes) [in 2004] ^D 47 1,698 16,423 3% 8 t (tonnes) [in 2004] ^D 387 4,870 32,819 8% 8 t (tonnes) [in 2004] ^D 1,729 10,894 8% 8 t (tonnes) [in 2004] ^D 1,729 10,838 8 10,838 10,838	Social cost (\$) D	33,800,000	498,200,000	3,554,000,000	%2	14%
diesel) (MJ²) [in 2004] ^D diesel) (MJ²) [in 2004] ^D 186,800,000,000 1	Deliveries of petrol & diesel (litres) D			6,075,000,000		
t (tonnes) [in 2004] D 50 1,717 16,820 3% 8 4 7 1,698 16,423 3% 1,78 5 961 6,834 65,434 14% 14% 6 834 4,870 32,819 8% 1,729 10,894 10,894 10,894 1,729 10,838 10	Energy use by transport (petrol + diesel) (MJ 2) [in 2004] $^{\rm D}$			186,800,000,000		
50 1,717 16,820 3% 5% <td>CO_2 emissions from land transport (tonnes) [in 2004] $^\mathrm{D}$</td> <td></td> <td></td> <td>12,505,000</td> <td></td> <td></td>	CO_2 emissions from land transport (tonnes) [in 2004] $^\mathrm{D}$			12,505,000		
47 1,698 16,423 3% 961 6,834 65,434 14% 10,834 1,729 10,894 8% 11,729 10,838 10,838 10,838 11,729 10,838 10,838 10,838	Local roads - all urban (km) ^J	20	1,717	16,820	3%	40%
961 6,834 65,434 14%	Local roads - sealed urban (km) ^J	47	1,698	16,423	3%	40%
387 4,870 32,819 8% 1,729 10,894 8% 1,729 10,838 8	Local roads - all rural (km) ^J	961	6,834	65,434	14%	10%
1,729 10,894 1,729 10,838 - 172	Local roads - sealed rural (km) ^J	387	4,870	32,819	%8	15%
1,729 10,838 - 172	State highw ay - all (km) ^{4 J}		1,729	10,894		16%
- 172	State highw ay - sealed (km) ^{4 J}		1,729	10,838		16%
	State highw ay - motorw ay (km) J		-	172		%0

¹ indicative only - based on 2002 data. This includes both inter-national and inter-regional freight movement.

² 1 MJ = 1 mega-joule = 10 6 joules

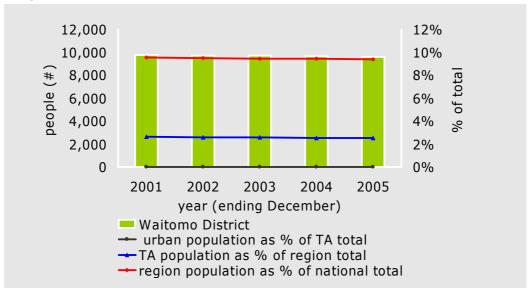
 $^{^{}D}$ indicates year ending Dec; J indicates year ending June; M indicates year ending March.

Total expenditure covers local and national contributions to territorial authority expenditure. Regional Council and Transit NZ costs are excluded.

 $^{^{}m V}$ TA VKT = local roads. Regional and national VKT includes local roads and state highways

Population

Population estimates for Waitomo District



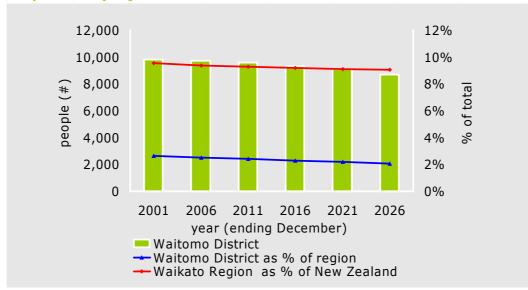
Source: Statistics NZ

Note: Statistics NZ has no 'urban area' count available

Growth rates: (average per annum for years shown)

Waitomo District	-0.43%
Waikato Region	1.01%
New Zealand	1.41%

Population projections for Waitomo District



Source: Statistics NZ

Growth rates: (average per annum for years shown)

Waitomo District	-0.41%
Waikato Region	0.62%
New Zealand	0.88%

Economic impacts





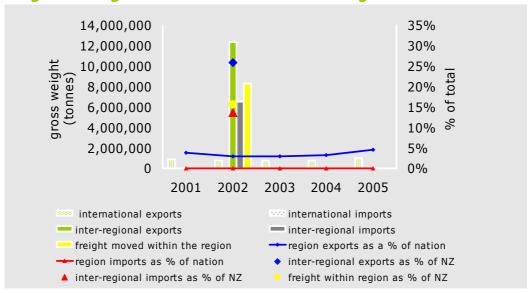
Source: Statistics NZ

Note: there are no imports through a port in this region

Airport(s):

Seaport(s): Taharoa

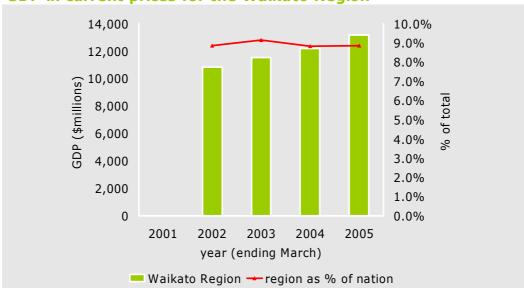
Regional freight movement for Waikato Region



Source: Booz Allen Hamilton (NZ) Ltd, 2005, Development of a New Zealand National Freight Matrix

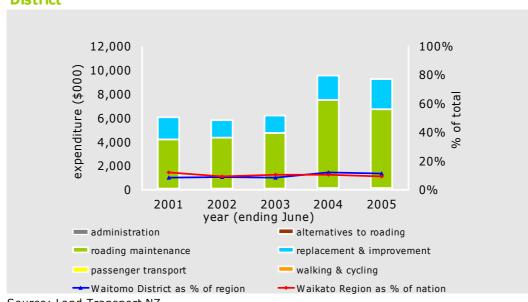
Economic impacts (continued)

GDP in current prices for the Waikato Region



Sources: NZIER & Statistics NZ

Total territorial authority expenditure on land transport for Waitomo District

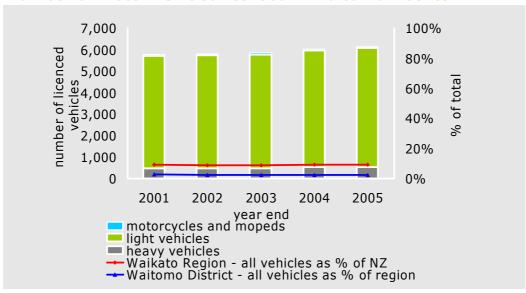


Source: Land Transport NZ $\,$

Total expenditure covers local and national contributions to territorial authority expenditure. Regional Council and Transit NZ costs are excluded

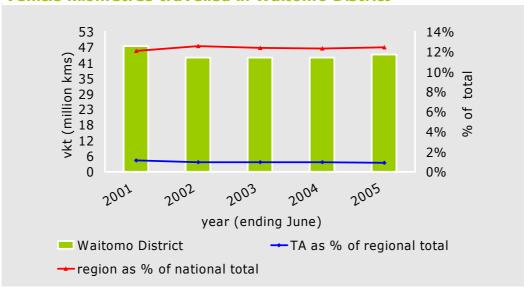
Use of land transport

Number of motor vehicles licensed in Waitomo District



Source: Motor vehicle register

Vehicle kilometres travelled in Waitomo District



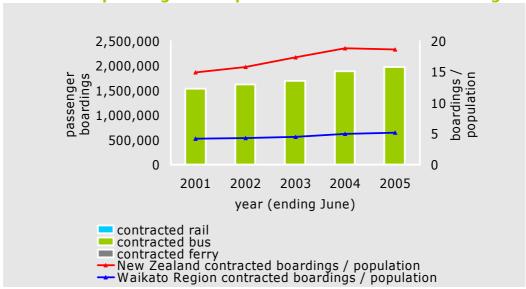
Source: Territorial local authorities

TA VKT = local roads

Regional and national VKT includes local roads and state highways

Use of land transport (continued)

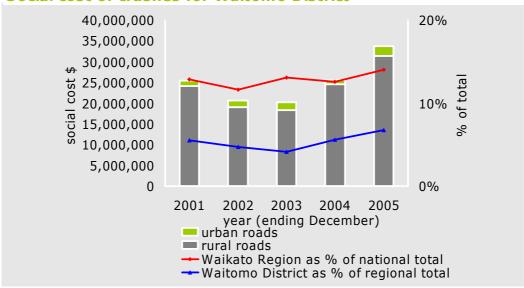
Contracted passenger transport services in the Waikato Region



Source: Regional Councils

Social impacts

Social cost of crashes for Waitomo District

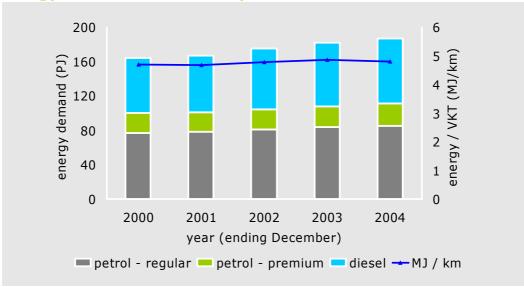


Source: Crash analysis system

For details of road safety, refer to the Road Safety Issues report

Environmental impacts

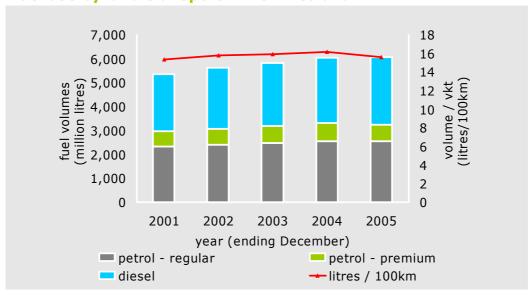
Energy demand of land transport in New Zealand



Source: MED, June 2005, NZ Greenhouse Gas Emissions 1990 - 2004 and Statistics NZ Deliveries of Petroleum Fuels by Industry

$$1 \text{ PJ} = 10^{15} \text{ joules} = 10^9 \text{ MJ}$$

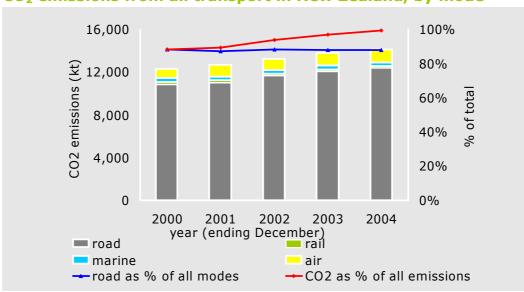
Fuel use by land transport in New Zealand



Source: Statistics NZ Deliveries of Petroleum Fuels by Industry

Environmental impacts (continued)

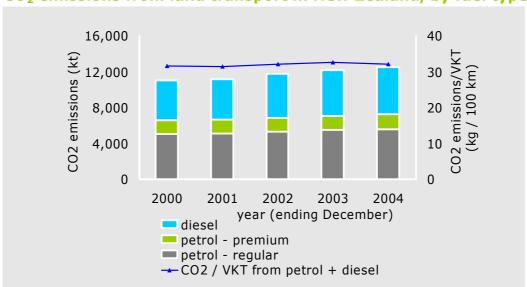
CO₂ emissions from all transport in New Zealand, by mode



Source: MED, June 2005, NZ Energy Greenhouse Gas Emissions 1990-2004

1 kt = 1 kilo tonne = 1000 tonnes

CO₂ emissions from land transport in New Zealand, by fuel type



Source: MED, June 2005, NZ Energy Greenhouse Gas Emissions 1990-2004

1 kt = 1 kilo tonne = 1000 tonnes