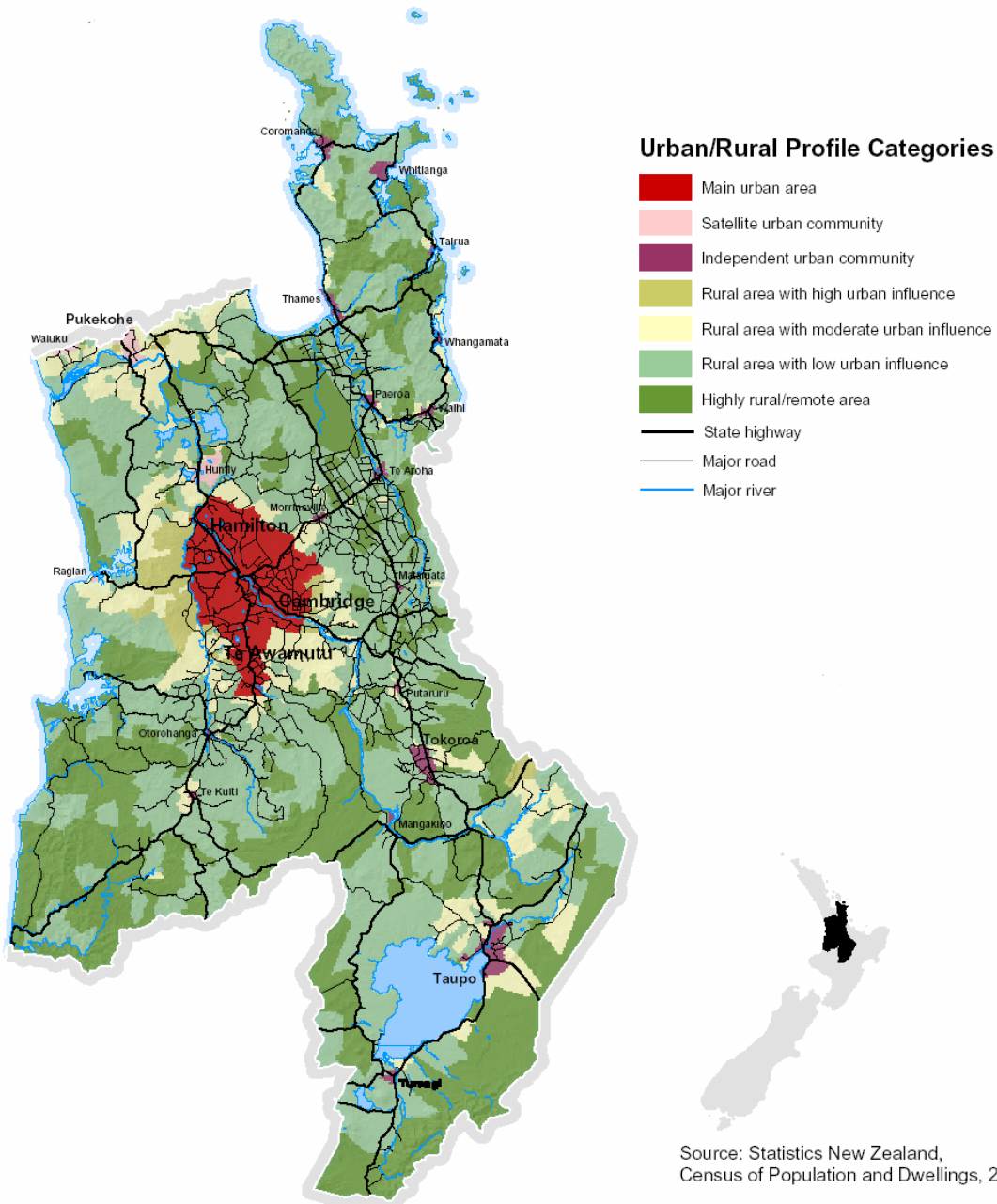


# land transport at a glance

## Hamilton City

### 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

## Hamilton City Waikato Region

## Statistics for 2005

	Territorial Authority (TA)	Region	National	TA as % of region	Region as % of nation
Population <sup>D</sup>	131,400	384,800	4,098,900	34%	9%
Land area (km <sup>2</sup> ) <sup>D</sup>	94	25,598	275,446	0%	9%
Imports (gross tonne) <sup>1D</sup>		6,526,000	-		10%
Exports (gross tonne) <sup>1D</sup>		13,081,000	-		18%
Gross domestic product (GDP) (\$) <sup>M</sup>		13,167,000,000	148,551,000,000		9%
Total TA expenditure on land transport (\$) <sup>T J</sup>	14,531,000	81,851,000	873,924,000	18%	9%
Passenger transport - bus boardings <sup>J</sup>		1,973,000	86,666,000		2%
Passenger transport - rail boardings <sup>J</sup>		-	14,255,000		0%
Passenger transport - ferry boardings <sup>J</sup>		-	4,082,000		0%
Motor vehicles <sup>D</sup>	102,046	257,079	2,790,610	40%	9%
VKT (km) <sup>V J</sup>	620,000,000	4,831,000,000	38,874,000,000	13%	12%
Is congestion an issue?	No				
Social cost (\$) <sup>D</sup>	85,400,000	498,200,000	3,554,000,000	17%	14%
Deliveries of petrol & diesel (litres) <sup>D</sup>			6,075,000,000		
Energy use by transport (petrol + diesel) (MJ <sup>2</sup> ) [in 2004] <sup>D</sup>			186,800,000,000		
CO <sub>2</sub> emissions from land transport (tonnes) [in 2004] <sup>D</sup>			12,505,000		
Local roads - all urban (km) <sup>J</sup>	527	1,717	16,820	31%	10%
Local roads - sealed urban (km) <sup>J</sup>	527	1,698	16,423	31%	10%
Local roads - all rural (km) <sup>J</sup>	48	6,834	65,434	1%	10%
Local roads - sealed rural (km) <sup>J</sup>	46	4,870	32,819	1%	15%
State highway - all (km) <sup>4J</sup>		1,729	10,894		16%
State highway - sealed (km) <sup>4J</sup>		1,729	10,838		16%
State highway - motorway (km) <sup>J</sup>		-	172		0%

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

<sup>2</sup> 1 MJ = 1 mega-joule = 10<sup>6</sup> joules

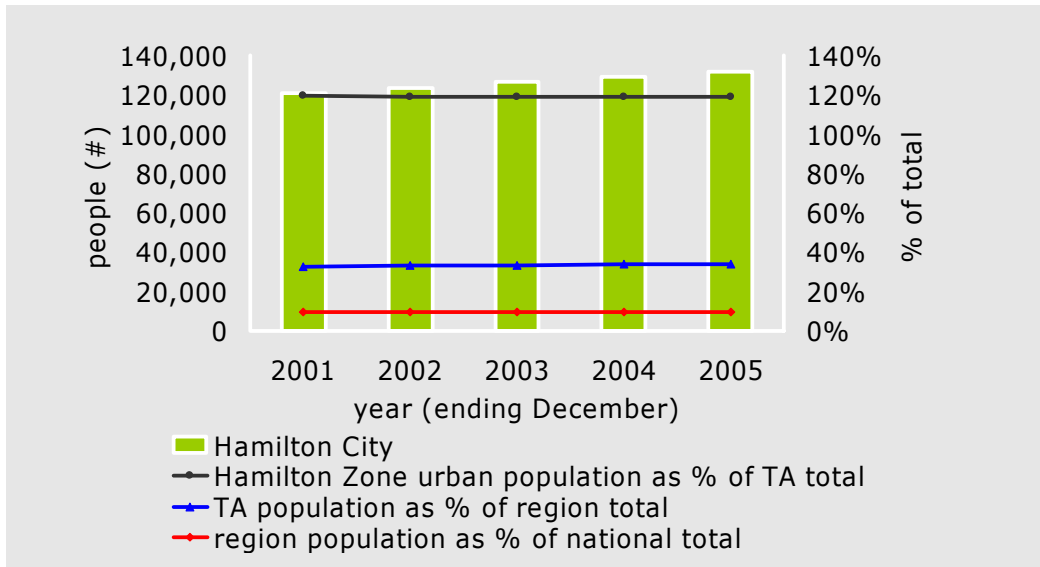
<sup>D</sup> indicates year ending Dec; <sup>M</sup> indicates year ending June; <sup>J</sup> indicates year ending March.

<sup>T</sup> Total expenditure covers local and national contributions to territorial authority expenditure. Regional Council and Transit NZ costs are excluded.

<sup>V</sup> TA VKT = local roads. Regional and national VKT includes local roads and state highways

## Population

### Population estimates for Hamilton City

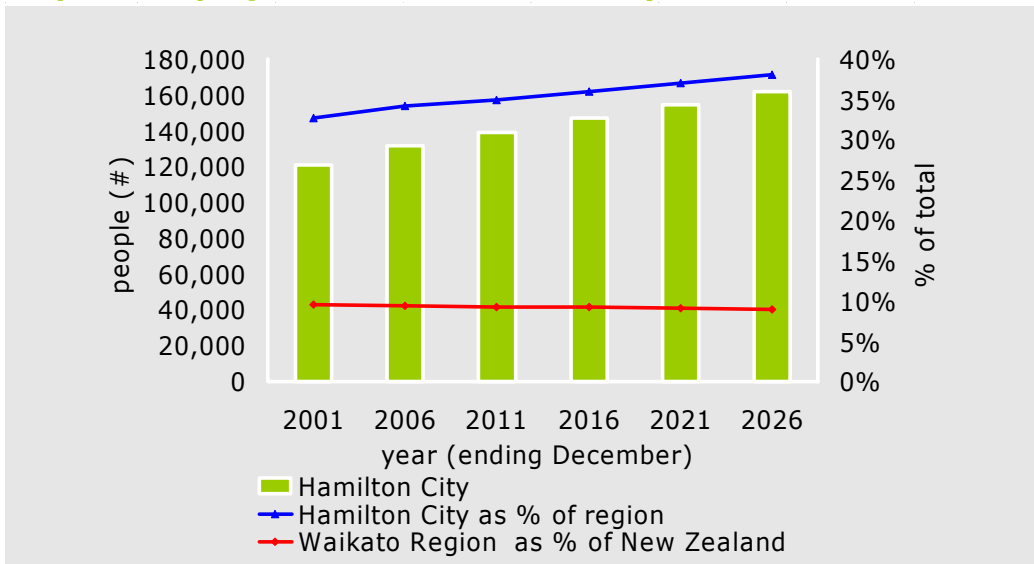


Source: Statistics NZ

**Growth rates:** (average per annum for years shown)

<b>Urban Area - Hamilton Zone</b>	<b>2.03%</b>
<b>Hamilton City</b>	<b>2.17%</b>
<b>Waikato Region</b>	<b>1.01%</b>
<b>New Zealand</b>	<b>1.41%</b>

### Population projections for Hamilton City



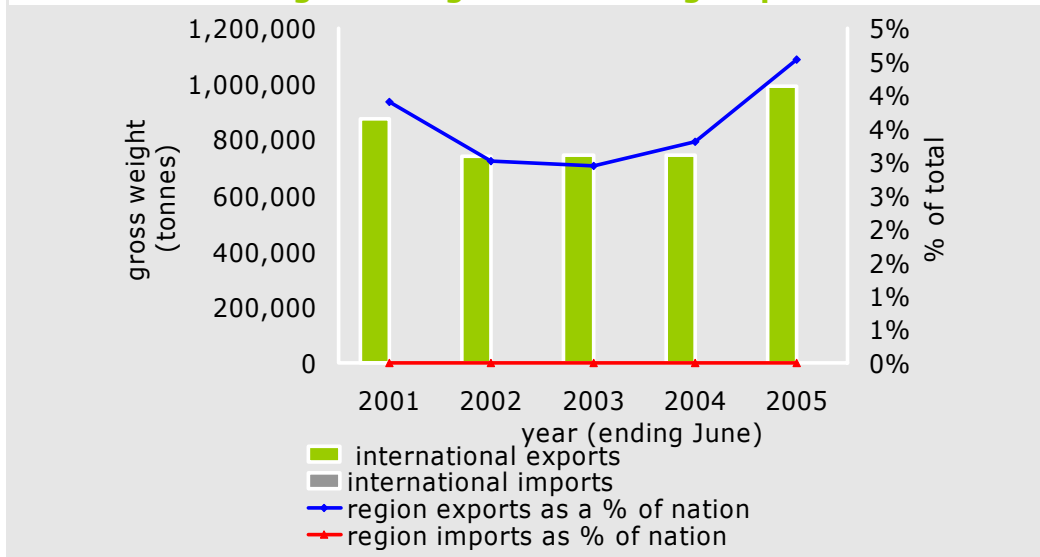
Source: Statistics NZ

**Growth rates:** (average per annum for years shown)

<b>Hamilton City</b>	<b>1.37%</b>
<b>Waikato Region</b>	<b>0.62%</b>
<b>New Zealand</b>	<b>0.88%</b>

## Economic impacts

### International freight through Waikato Region ports



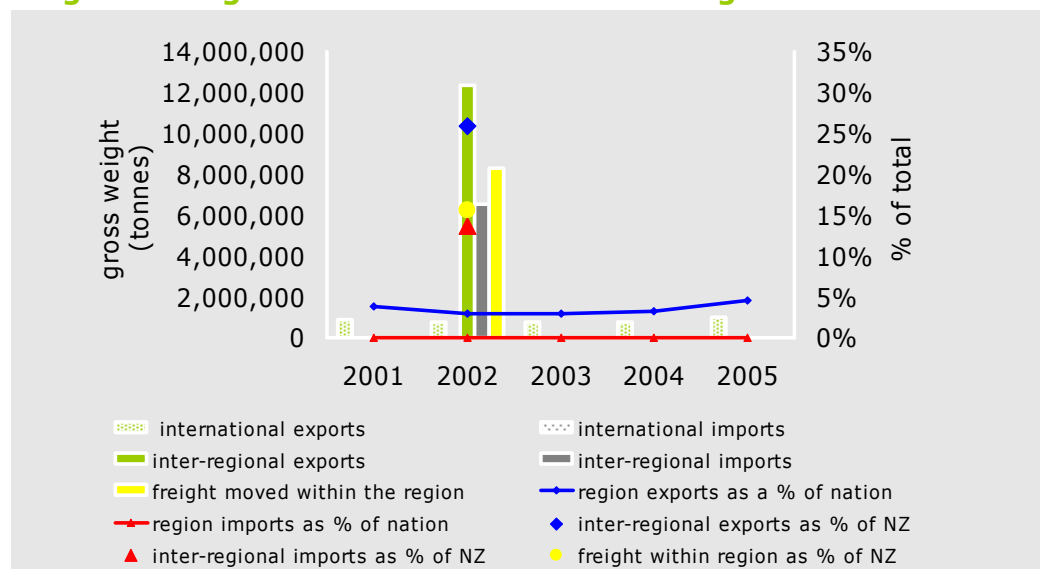
Source: Statistics NZ

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

Airport(s):

Seaport(s): Taharoa

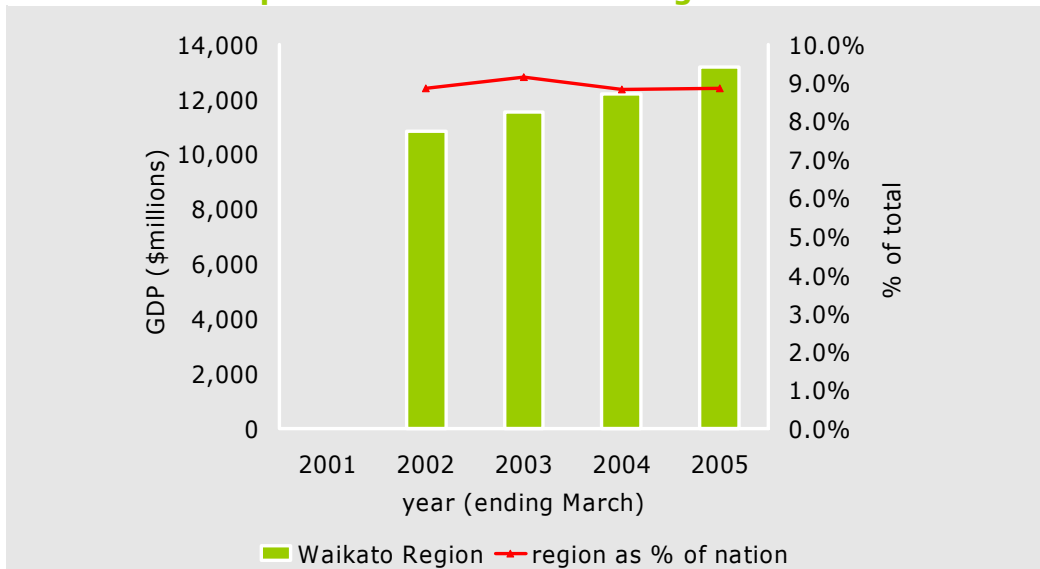
### Regional freight movement for Waikato Region



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

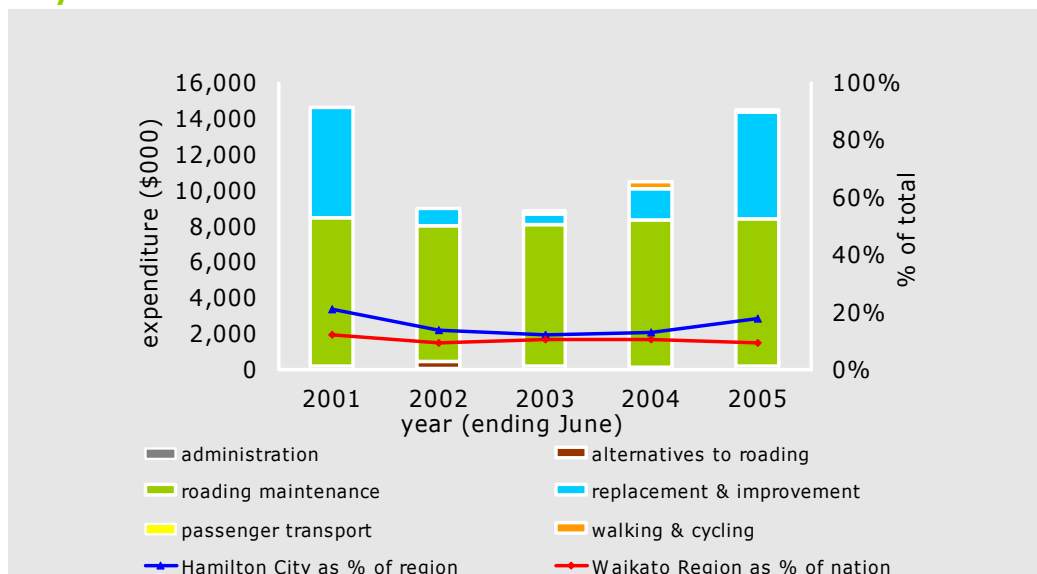
## Economic impacts *(continued)*

### GDP in current prices for the Waikato Region



Sources: NZIER & Statistics NZ

### Total territorial authority expenditure on land transport for Hamilton City

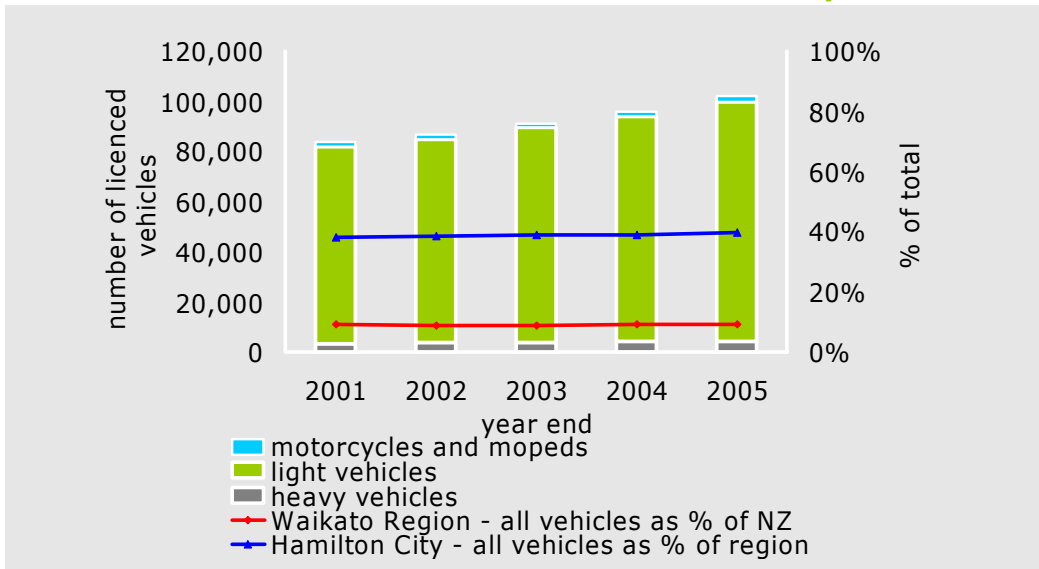


Source: Land Transport NZ

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

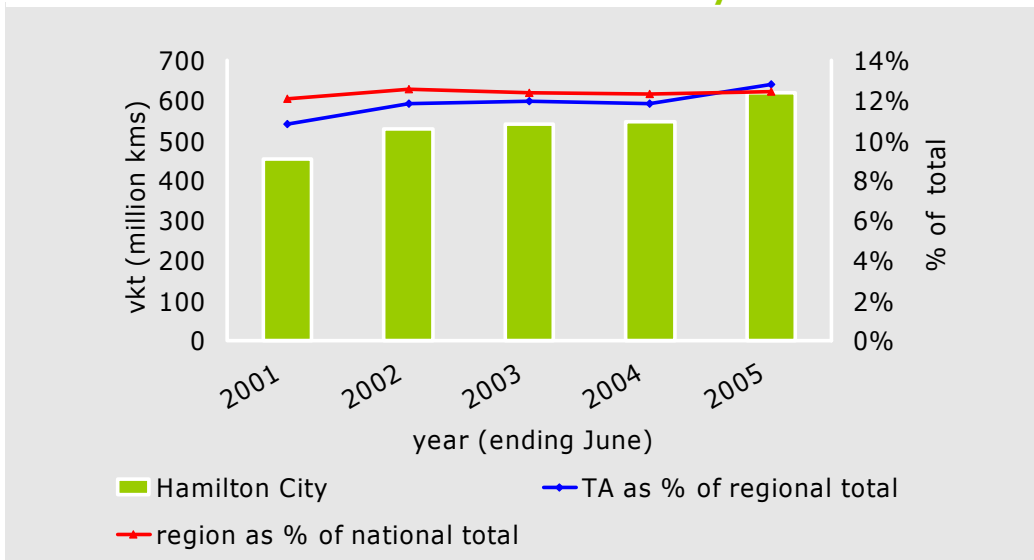
## Use of land transport

### Number of motor vehicles licensed in Hamilton City



Source: Motor vehicle register

### Vehicle kilometres travelled in Hamilton City



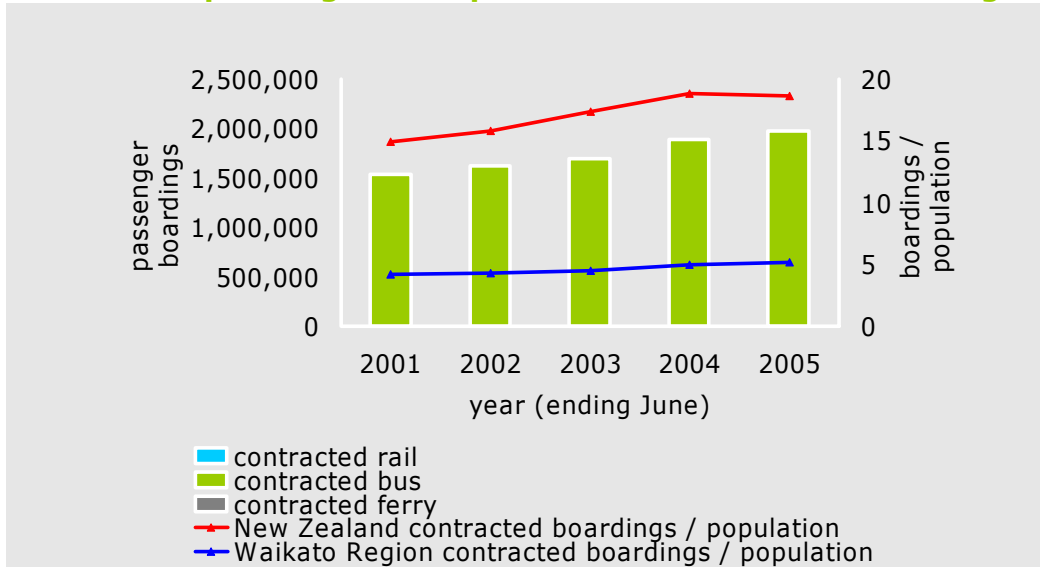
Source: Territorial local authorities

TA VKT = local roads

Regional and national VKT includes local roads and state highways

## Use of land transport (continued)

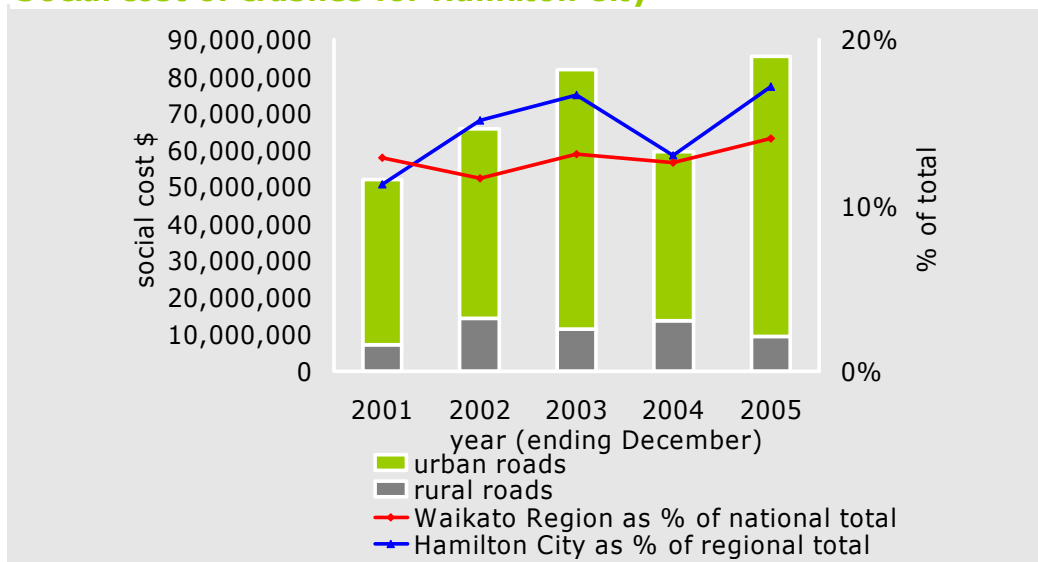
### Contracted passenger transport services in the Waikato Region



Source: Regional Councils

## Social impacts

### Social cost of crashes for Hamilton City



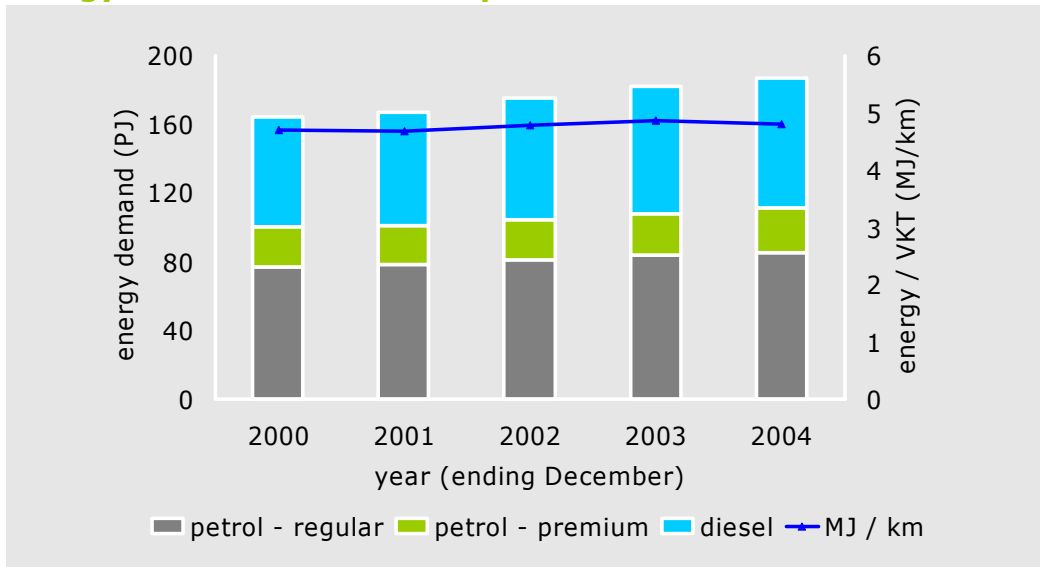
Source: Crash analysis system

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



## Environmental impacts

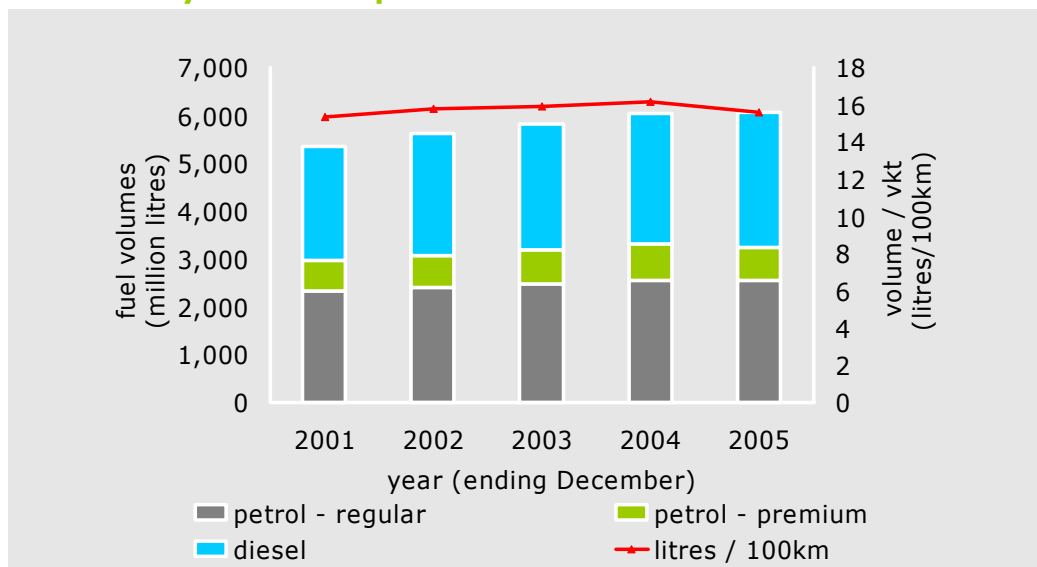
### Energy demand of land transport in New Zealand



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

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

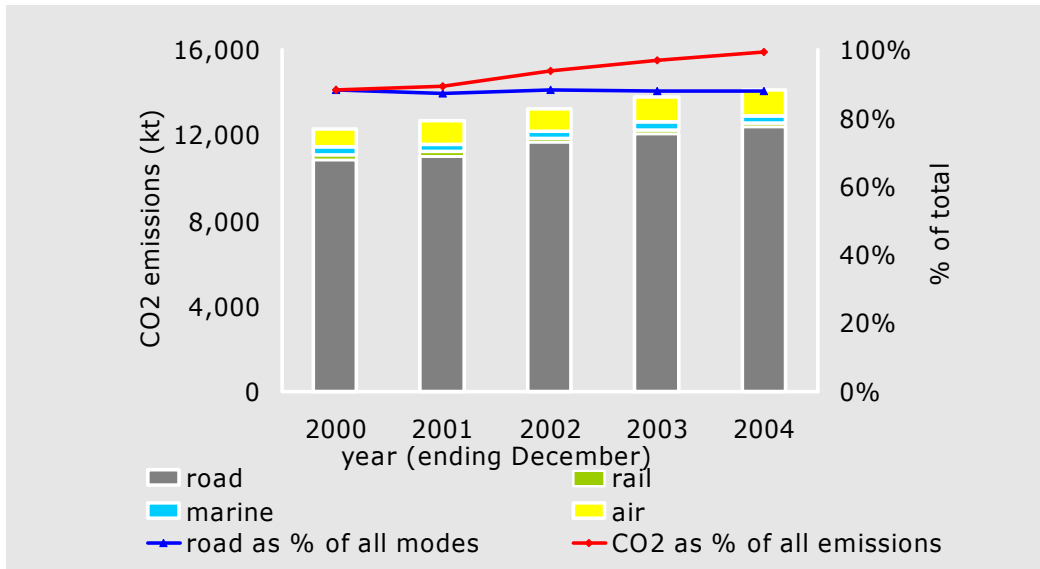
### Fuel use by land transport in New Zealand



Source: Statistics NZ *Deliveries of Petroleum Fuels by Industry*

## Environmental impacts (continued)

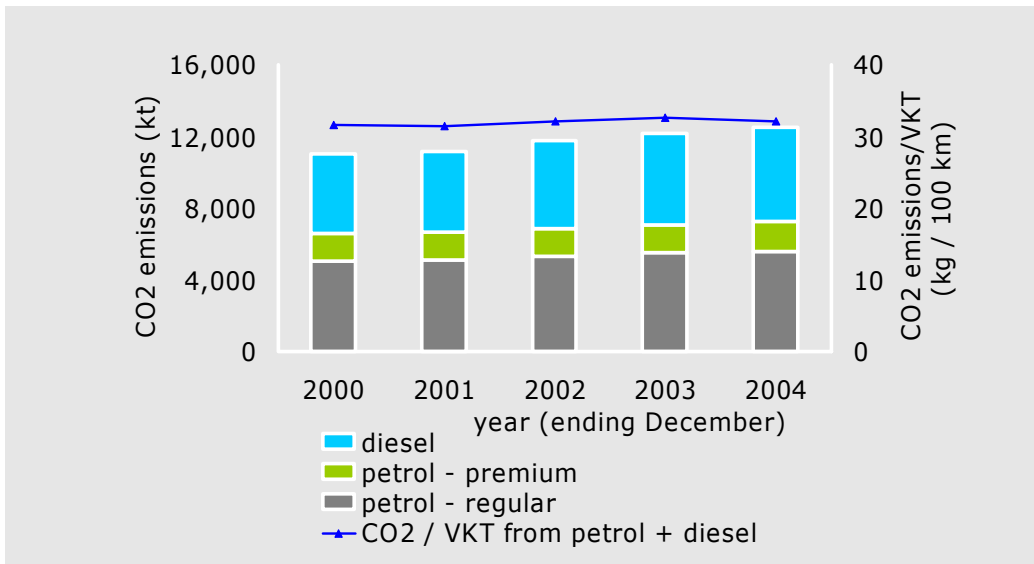
### CO<sub>2</sub> emissions from all transport in New Zealand, by mode



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

1 kt = 1 kilo tonne = 1000 tonnes

### CO<sub>2</sub> 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