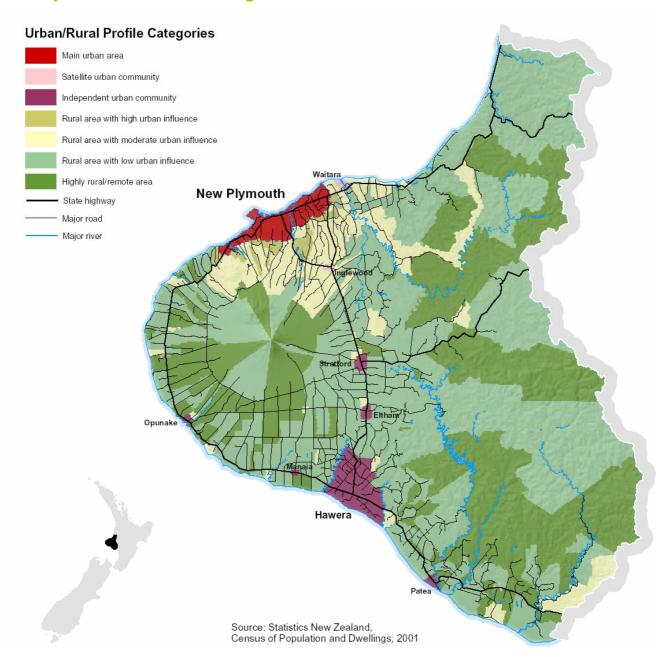


land transport at a glance

Stratford District

Map of the Taranaki 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

Stratford District Taranaki Region

Population Populati						
ms (b) (b) (b) (b) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c		Territorial Authority (TA)	Region	National	TA as % of region	Region as % of nation
1,	Population ^D	8,600	105,000	4,098,900	%8	3%
3,161,000 6,778,000 6,778,000 6,778,000 6,778,000 6,778,000 6,778,000 6,778,000 6,787,000,000 148,551,000,000 14,255,000 14	Land area (km²) ^D	2,161	7,273	275,446	30%	3%
λ 5,778,000 -	Imports (gross tonne) ^{1 D}		3,161,000	1		2%
) M 3,815,000,000 148,551,000,000 11% P ngs J 2,943,000 25,765,000 86,666,000 11% 11% gs J - 14,255,000 11% 11% gs J - 4,082,000 3% 11% lings J 6,468 73,875 2,790,610 9% 18% No No 78,200,000 38,674,000,000 3% 18% J D No 78,200,000 3,554,000,000 3% 18% J D No 78,200,000 3,554,000,000 13% 18% J D No 78,200,000 3,554,000,000 13% 18% J D No 78,200,000 3,554,000,000 13% 18% J D No 40 471 16,820 9% 18% J C AU 40 471 16,820 9% 14% J C AU 459 16,820 9% 14% 14%	Exports (gross tonne) ^{1D}		5,778,000	•		%8
sport (\$) T J 2,943,000 25,765,000 873,924,000 11% 11% gs J - 14,255,000 11% 1 gs J - 4,082,000 9% 1 lings J 6,468 73,875 2,790,610 9% 1 No No 976,000,000 38,874,000,000 3% 1 J D No 78,200,000 13% 1 J D No 78,200,000 13% 1 J D 10,000,000 78,200,000 13% 1 J D 10,000,000 78,200,000 13% 1 J D 10,000,000 78,200,000 13% 1 J D 40 471 16,800,000,000 13% J D 40 471 16,820 9% 1 J D 40 471 16,820 9% 1 J D 40 469 16,423 9% 1 J D 40 469 <td>Gross domestic product (GDP) (\$) M</td> <td></td> <td>3,815,000,000</td> <td>148,551,000,000</td> <td></td> <td>3%</td>	Gross domestic product (GDP) (\$) M		3,815,000,000	148,551,000,000		3%
ngs J 50,000 86,666,000 Pe,666,000 Pe,660,000	Total TA expenditure on land transport (\$) T J	2,943,000	25,765,000	873,924,000	11%	3%
gs ^J - 14,255,000 House,000 House,0	Passenger transport - bus boardings		20,000	86,666,000		%0
lings J - 4,082,000 PW P fe,468 73,875 2,790,610 9% 9% s2,000,000 976,000,000 38,874,000,000 3% 13% lobation (MJ²) [in 2004] D 10,000,000 78,200,000 13% 13% diesel) (MJ²) [in 2004] D 10,000,000 186,800,000,000 13% 12,505,000 t (tonnes) [in 2004] D 40 471 16,820 9% 12,505,000 t (tonnes) [in 2004] D 40 469 16,423 9% 14,8 t (tonnes) [in 2004] D 31,000 65,434 19% 14,8 t (tonnes) [in 2004] D 31,000 65,434 19% 14,8 t (tonnes) [in 2004] D 31,000 65,434 19% 14,8 t (tonnes) [in 2004] D 31,000 65,434 19% 14,8 t (tonnes) [in 2004] D 31,000 65,434 14,8 14,8 t (tonnes) [in 2004] D 31,000 65,434 14,8 14,8 14,8 t (tonnes) [in 2	Passenger transport - rail boardings ^J		1	14,255,000		%0
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32,000,000 37,000,000 38,874,000,000 3%	Motor vehicles ^D	6,468	73,875	2,790,610	%6	3%
No	VKT (km) ^{V J}	32,000,000	976,000,000	38,874,000,000	3%	3%
D 10,000,000 78,200,000 3,554,000,000 13% 13% diesel) (MJ²) [in 2004] D 186,800,000,000 186,800,000,000 186,800,000,000 186,800,000,000 t (tonnes) [in 2004] D 40 471 12,505,000 9% 18 t (tonnes) [in 2004] D 40 471 16,820 9% 18 t (tonnes) [in 2004] D 556 3,000 65,434 19% 19% t (tonnes) [in 2004] D 313 2,298 16,423 9% 14% t (tonnes) [in 2004] D 313 2,298 32,819 14% 19% t (tonnes) [in 2004] D 331 10,834 14% 10,834 10,838 </td <td>ls congestion an issue?</td> <td>No</td> <td></td> <td></td> <td></td> <td></td>	ls congestion an issue?	No				
J b diesel) (MJ²) [in 2004] ^D 6,075,000,000 6 6 6 6 6 7 6 6 7 7 1 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 9 8 9 </td <td>Social cost (\$) D</td> <td>10,000,000</td> <td>78,200,000</td> <td>3,554,000,000</td> <td>13%</td> <td>2%</td>	Social cost (\$) D	10,000,000	78,200,000	3,554,000,000	13%	2%
diesel) (MJ²) [in 2004] ^D 40 471 12,505,000 9% 1 t (tonnes) [in 2004] ^D 40 471 16,820 9% 9% 40 40 469 16,423 9% 9% 556 3,000 65,434 19% 19% 40 313 2,298 32,819 14% 1 40 313 391 10,894 14% 1 40 56 374 10,838 1 1	Deliveries of petrol & diesel (litres) D			6,075,000,000		
t (tonnes) [in 2004] D 40 471 12,505,000 9% 9% 40 469 16,423 9% 16,423 9% 556 3,000 65,434 19% 19% 556 3,000 65,434 19% 14% 65,434 19% 14% 10,894 14% 756 351 10,894 10,838 10,838 757 172 172 172	Energy use by transport (petrol + diesel) (MJ 2) [in 2004] $^{\rm D}$			186,800,000,000		
40 471 16,820 9% 9% 40 469 16,423 9% 9% 556 3,000 65,434 19% 17% 313 2,298 32,819 14% 14% 391 10,894 10,894 10,834 10,838 50 5 5 5 10,834 10,834	$\mathrm{CO_2}$ emissions from land transport (tonnes) [in 2004] $^\mathrm{D}$			12,505,000		
40 469 16,423 9% 9% 556 3,000 65,434 19% 19% 313 2,298 32,819 14% 10 39 391 10,894 10,894 10 37 374 10,838 17 17	Local roads - all urban (km) ^J	40	471	16,820	%6	3%
556 3,000 65,434 19% 313 2,298 32,819 14% 391 10,894 10,838 10,838 - 172 172	Local roads - sealed urban (km) ^J	40	469	16,423	%6	3%
313 2,298 32,819 14% 14% 14% 10,894 10,894 10,838 10,8	Local roads - all rural (km) ^J	256	3,000	65,434	19%	%9
391 10,894 374 10,838 - 172	Local roads - sealed rural (km) ^J	313	2,298	32,819	14%	%2
374 10,838 - 172	State highw ay - all (km) ^{4 J}		391	10,894		4%
- 172	State highw ay - sealed (km) ^{4 J}		374	10,838		3%
	State highw ay - motorw ay (km) J		1	172		%0

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

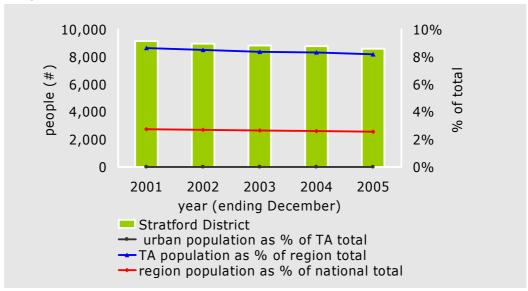
² 1 MJ = 1 mega-joule = 10 $^{\circ}$ joules

 $^{^{}D}$ 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 Stratford District



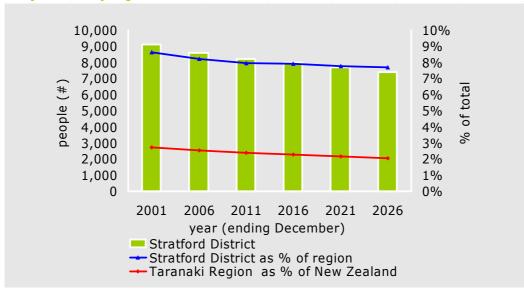
Source: Statistics NZ

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

Growth rates: (average per annum for years shown)

Stratford District -1.40%
Taranaki Region -0.17%
New Zealand 1.41%

Population projections for Stratford District



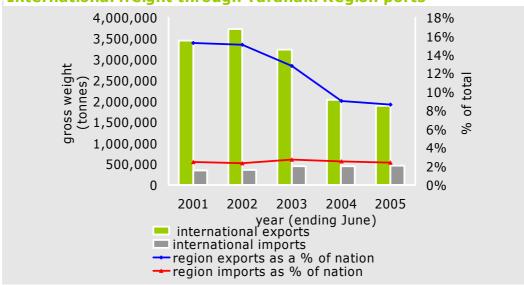
Source: Statistics NZ

Growth rates: (average per annum for years shown)

Stratford District -0.75%
Taranaki Region -0.36%
New Zealand 0.88%

Economic impacts

International freight through Taranaki Region ports

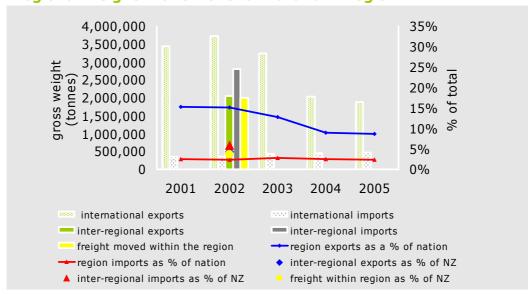


Source: Statistics NZ

Airport(s):

Seaport(s): New Plymouth

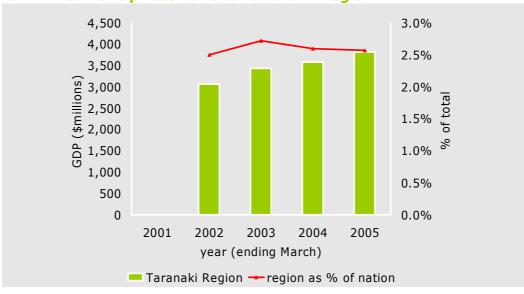
Regional freight movement for Taranaki Region



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

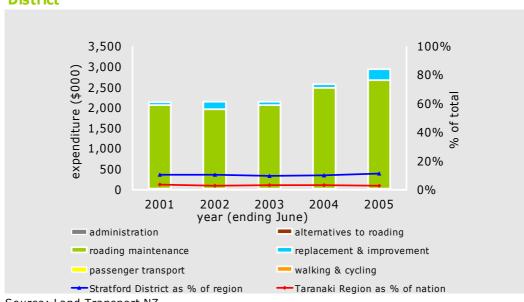
Economic impacts (continued)

GDP in current prices for the Taranaki Region



Sources: NZIER & Statistics NZ

Total territorial authority expenditure on land transport for Stratford District

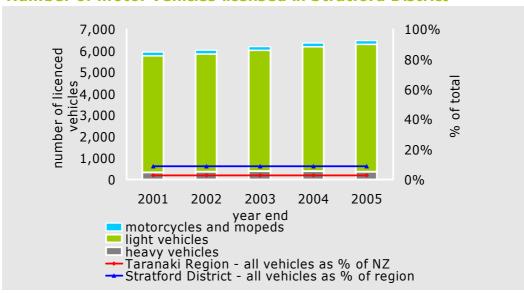


Source: Land Transport NZ $\,$

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

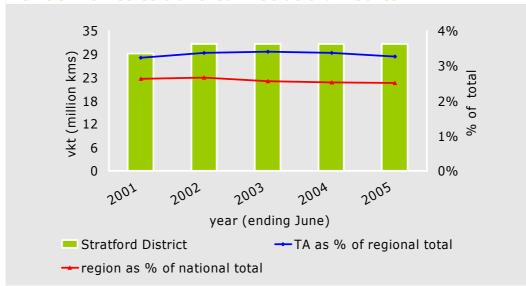
Use of land transport

Number of motor vehicles licensed in Stratford District



Source: Motor vehicle register

Vehicle kilometres travelled in Stratford District



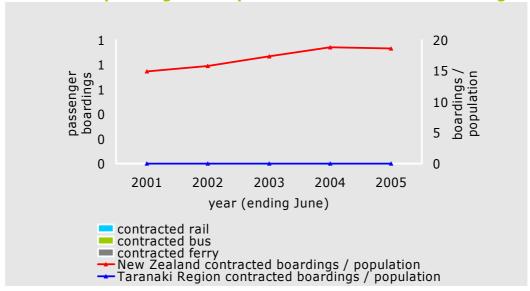
Source: Territorial local authorities

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 Taranaki Region



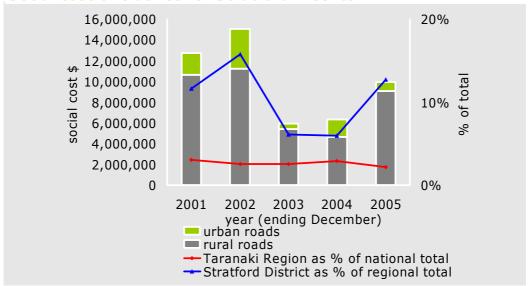
Source: Regional Councils

There are no contracted passenger transport services for this region

Commercial passenger transport increased regional boardings by about 50000 in 2004/05

Social impacts

Social cost of crashes for Stratford District

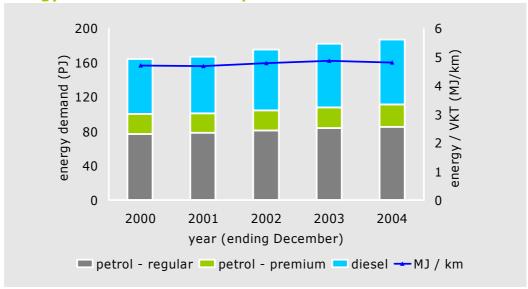


Source: Crash analysis system

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

Environmental impacts

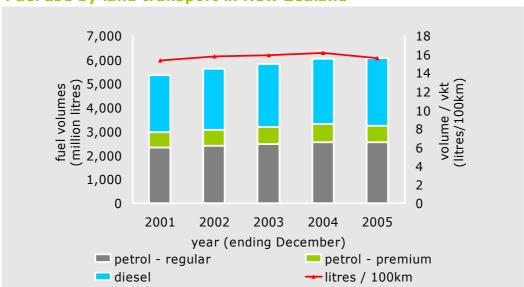
Energy demand of land transport in New Zealand



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

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

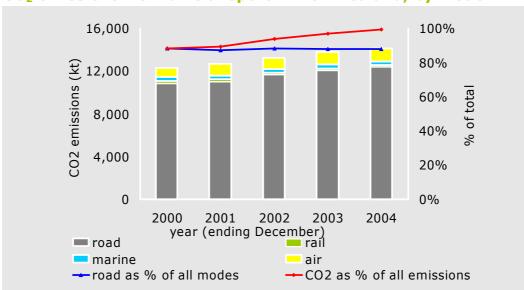
Fuel use by land transport in New Zealand



Source: Statistics NZ Deliveries of Petroleum Fuels by Industry

Environmental impacts (continued)

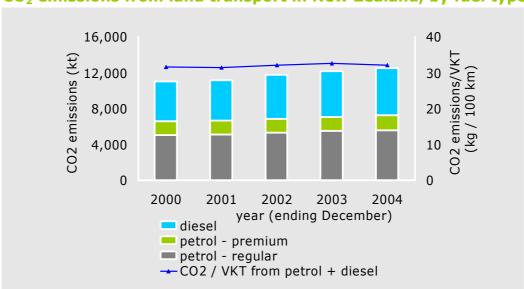
CO₂ emissions from all transport in New Zealand, by mode



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