

# Regional Land Transport Plan Annual Report Card 2015/16



## THE REPORT AT A GLANCE

### TARGETS

ECONOMIC PERFORMANCE		
	TARGET	ACTUAL
Regional GDP (\$b)	↑ 12.02	12.29 ✓
Contribution to national GDP (%)	↑ 5.2	5.1 ✗
Network reliability (mins delay/km)	↓ 0.36	0.47 ✗
Rail freight (billion net tonne kms)	↑ 1.006	1.299 ✓

SAFETY		
	TARGET	ACTUAL
Road trauma (deaths & serious injuries)	↓ 181	163 ✓
Alcohol (factor in deaths & serious injuries)	↓ 40.4	39.8 ✓
Speed (factor in deaths & serious injuries)	↓ 40.2	34.4 ✓
Rail trauma (deaths & injuries)	↓ 2.0	2.0 ✗

LAND USE AND TRANSPORT INTEGRATION		
	TARGET	ACTUAL
Person kilometres (million kms/year)	↓ 3,528	ND
Public transport (trips/person/year)	↑ 11.0	9.7 ✗
Distance cycled (kms/person/year)	↑ 40	ND
Time walking (hours/person/year)	↑ 34	ND

ENERGY EFFICIENCY		
	TARGET	ACTUAL
Energy use (person kms/litre of fuel)	↑ 7.01	ND
Single occupancy vehicles (kms/person/year)	↓ 2,600	ND

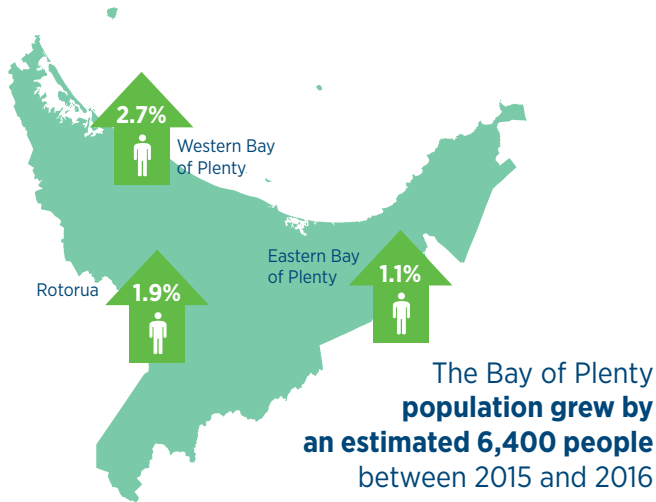
ACCESS AND RESILIENCE		
	TARGET	ACTUAL
Closure of strategic road routes (hours/year)	↓ 48	70 ✗
Public transport reliability (% buses on time)	-	ND
Sustainable mode share (% trips)	↑ 17	ND

AFFORDABILITY		
	TARGET	ACTUAL
Local road condition/COST (% smooth travel exposure/\$ lane km)	↑ 88.7/↑ 6,392	88.0/6,012 P
SH condition/cost (% smooth travel exposure / \$ lane km)	↑ 97.35/↑ 24,398	97.80/19,718 ✓
Rail track quality (track quality index)	↑ 28.2	29.0 ✓

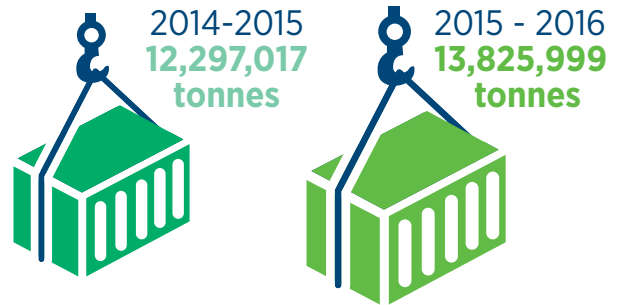
ENVIRONMENTAL SUSTAINABILITY		
	TARGET	ACTUAL
Travel on unsealed roads (vehicle kms travelled/day)	↓ 36,878	34,303 ✓
Particulate matter (number of days PM10 levels exceed NES)	↓ 12	13 ✗
Nitrogen dioxide (NO <sub>2</sub> micrograms/m <sup>3</sup> air - Tauranga/Rotorua)	↓ 28.77/18.5	29.97/21.2 ✗

**P** = Partially achieved    **ND** = No/insufficient data

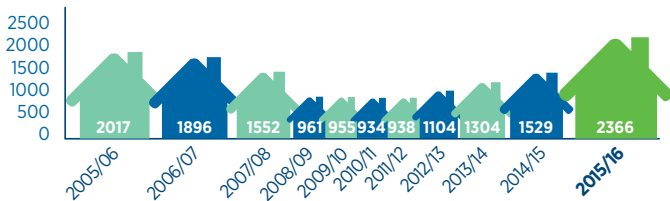
# DEMAND INDICATORS



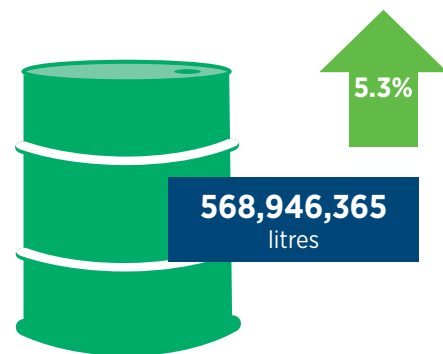
Export volumes loaded at the Port of Tauranga increased 12.4% in the last year



Housing development is rapidly increasing



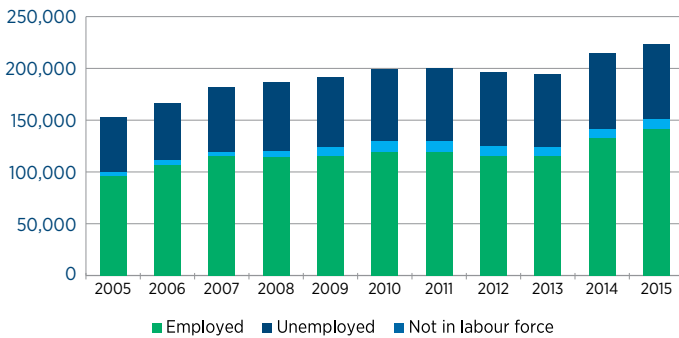
Fuel consumption continues to increase



56% of the fuel sold was **DIESEL**

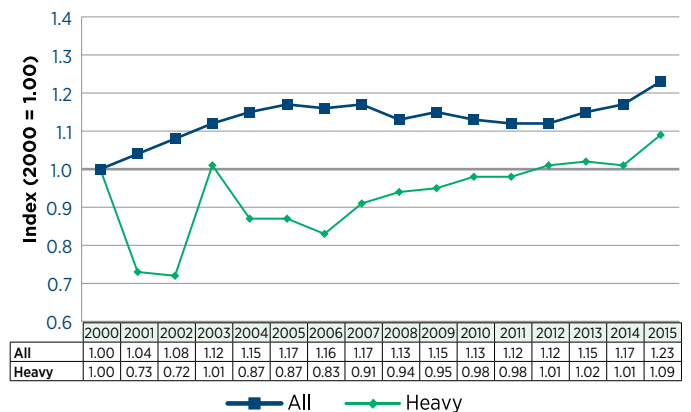
The employed labour force continues to grow

Bay of Plenty Labour Force



State highway general and heavy traffic volumes increased significantly

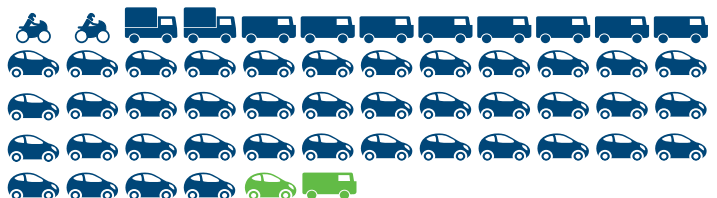
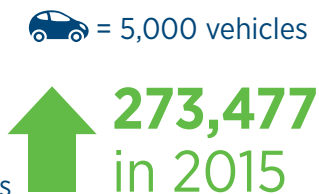
Indexed Bay of Plenty State Highway Traffic Volumes (continuously monitored sites)



The regions' vehicle ownership rate is **0.87** per person - up from **0.84** the previous year

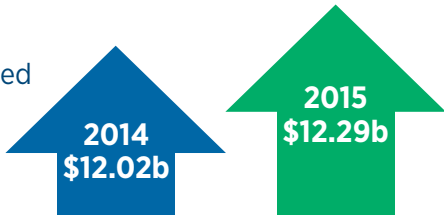


The region's road vehicle fleet has increased by almost 14,000 in the past year - mainly light commercial vehicles and cars

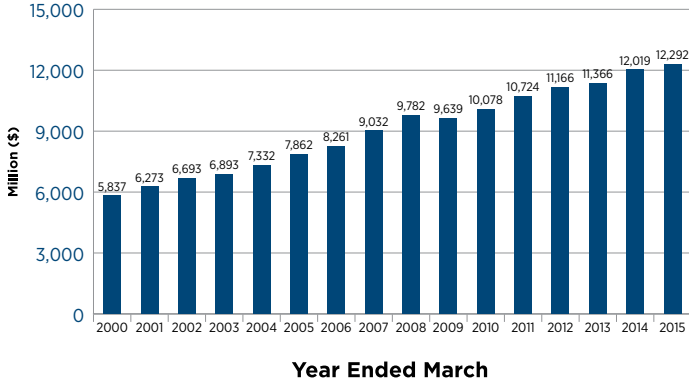


# ECONOMIC PERFORMANCE

Regional GDP increased by **2.3%**

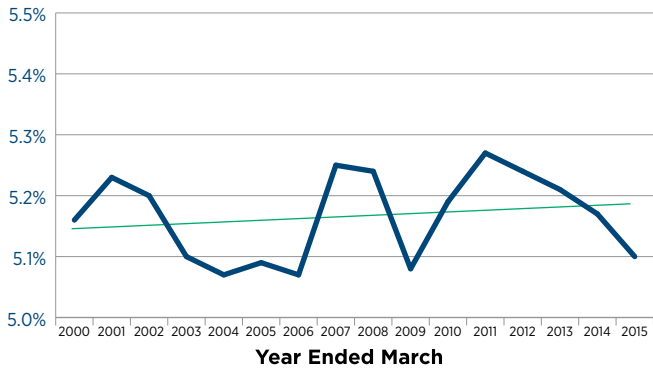


**Regional Gross Domestic Product**



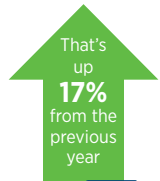
Regional GDP as a proportion of national GDP continued to **decrease**

**Regional GDP (% of National GDP)**



**1.299 billion**

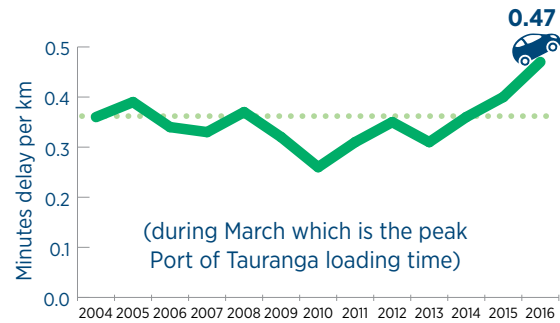
net tonne kilometres of **rail freight** was moved to/from or within the region



**More than 480,000** containers were carried on the **East Coast Main Trunk Rail Line**

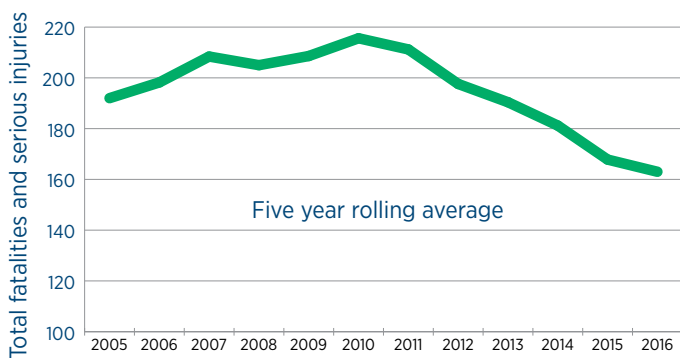


Road congestion in Tauranga All Day **increased for the third year in succession**



# SAFETY

**Fatalities and serious injuries** on our roads **increased slightly** between 2015 and 2016 while the five year trend continued downwards

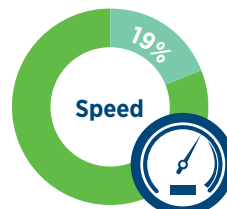


**Alcohol** contributed to **33%** of all deaths and serious injuries.



There was **1 injury** and **1 death** on the Bay of Plenty rail network in 2015.

**Speed** contributed to **19%** of all deaths and serious injuries.

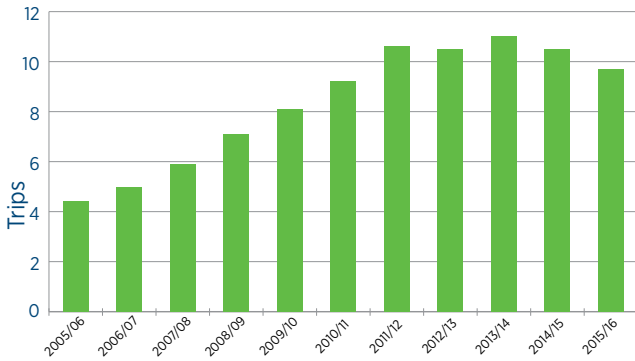


## LAND USE & TRANSPORT INTEGRATION

The annual **number of trips on public transport** per person has **decreased** for the second year in a row



### Annual bus trips per person, Bay of Plenty



## ACCESS & RESILIENCE

National and regional **strategic road routes** were closed for a total of **70 hours** in 2016

**96%** of these closures were for **crashes or road incidents**



## AFFORDABILITY

Local roads cost **\$6,012** per lane km to maintain while smooth travel exposure was **88%**



State highways cost **\$19,717** per lane km to achieve smooth travel exposure of **97.8%**

Track quality on the East Coast Main Trunk rail line **improved marginally**



## ENVIRONMENTAL SUSTAINABILITY

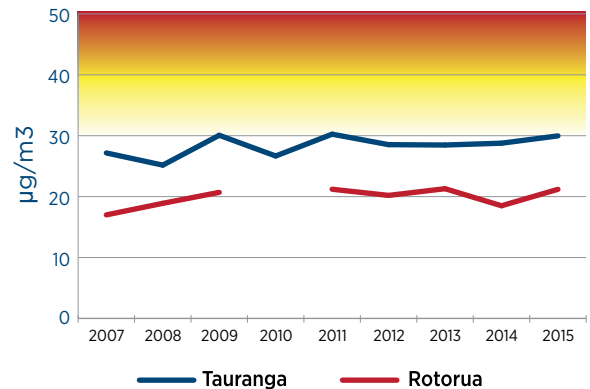
Levels of particulate (**PM10**) in Rotorua **exceeded the national environmental standard on 13 days** in 2015 (transport accounts for around 17% of PM10 emissions in Rotorua)



Average annual **nitrogen dioxide** concentrations were **29.97 micrograms/m<sup>3</sup>** of air across 3 sites in Tauranga (concentrations above 30 micrograms may have adverse effects on human health)



### Average annual NO<sub>2</sub> concentrations



Vehicle **travel on unsealed roads** throughout the region is **decreasing**



### Total vehicle kms travelled on unsealed roads per day

