

# VALUE OF RAIL

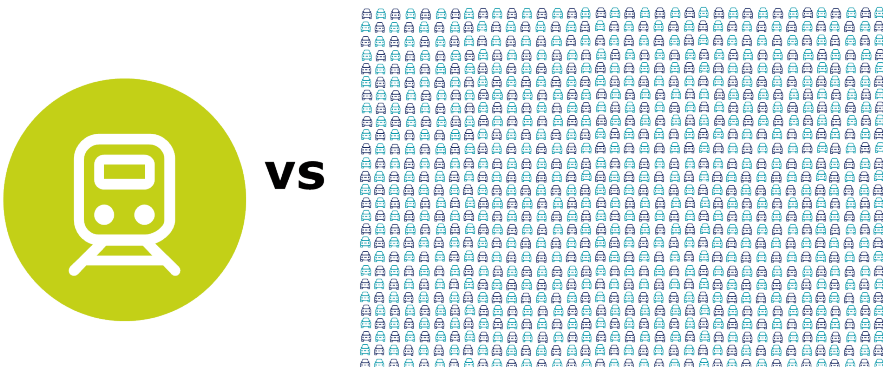
## The Contribution of Rail in Australia



Australia's population growth rate – around 1.5% a year – is among the highest in OECD countries, and since the year 2000, our population has grown by more than 25%. This growth, projected into the future, has startling consequences: Australia's population is forecast to double by 2070, reaching almost 45 million people. This means that, on average, the population will increase by 370,000 people every year for the next 50 years.

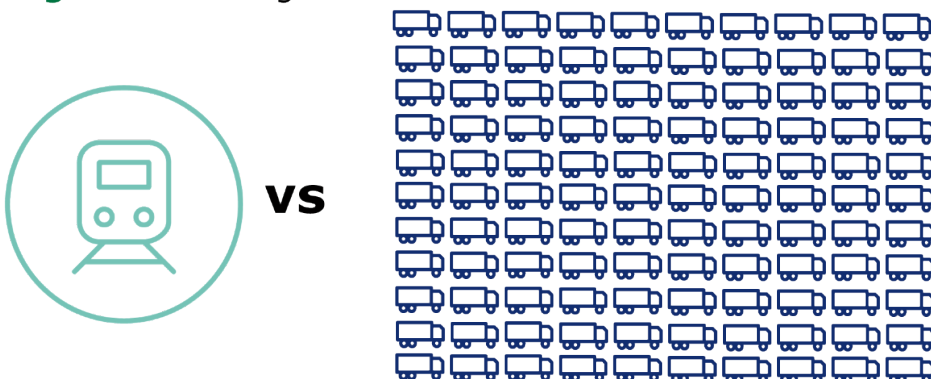
Larger, more populous and more dense cities create significant challenges for achieving quick, convenient and affordable transport. Projections indicate that, with current vehicle technology and ownership trends, the stock of private motor vehicles will grow from around 14.8 million today to around 28 million by 2050.

**1 peak hour Sydney train** can get **800 cars** off the road

An infographic comparing a single train to 800 cars. On the left is a large green circle containing a white icon of a train. To its right is the text "VS". Further right is a large grid of 800 small, light blue car icons arranged in 20 rows and 40 columns.

A similar, but more extreme, story is seen in freight with growth likely to follow along the path of GDP rather than population: a potential 88% increase in kilometres travelled by 2050 and an increase in vehicle stock of some 2.5 million trucks and light commercial vehicles.

**1 freight train** can get **110 trucks** off the road

An infographic comparing a single freight train to 110 trucks. On the left is a large green circle containing a white icon of a freight train. To its right is the text "VS". Further right is a grid of 110 small, light blue truck icons arranged in 11 rows and 10 columns.

To manage these challenges Australia will have to develop its transport infrastructure with rail in a central role.

**The Value of Rail Report is a report prepared by Deloitte Access Economics for the Australasian Railway Association. You are able to download the summary and full version of the Value of Rail Report at [www.ara.net.au/value-of-rail](http://www.ara.net.au/value-of-rail).**

# HIGHLIGHTS

In 2016 rail's **total economic contribution** was:

**\$26 Billion** in  
GDP



**Over 140,000**  
**workers** and  
growing



**50%** of rail manufacturing  
workers were **employed**  
**regionally**



But rail has **wider reaching benefits:**



Carbon emissions are  
**40% higher on road**  
than rail for each km



Road travel causes almost  
**8x more accident costs**  
per kilometre travelled



Every road journey  
replaced by rail can  
reduce time spent  
waiting in traffic by  
**7-27 minutes**

And given **expected**  
**growth...**



Passenger task to  
grow **19%** by 2026



Freight task to  
grow **26%** by 2026

**Government and industry**  
**need to:**



Enhance future **planning**,  
**coordinate** procurement and  
charge **road use** based on cost



**Harmonise** equipment and  
standards and embrace **digital**  
**disruption**



Work together to improve  
**customer experience**, enhance  
**productivity** and build a **skilled**  
**workforce**