



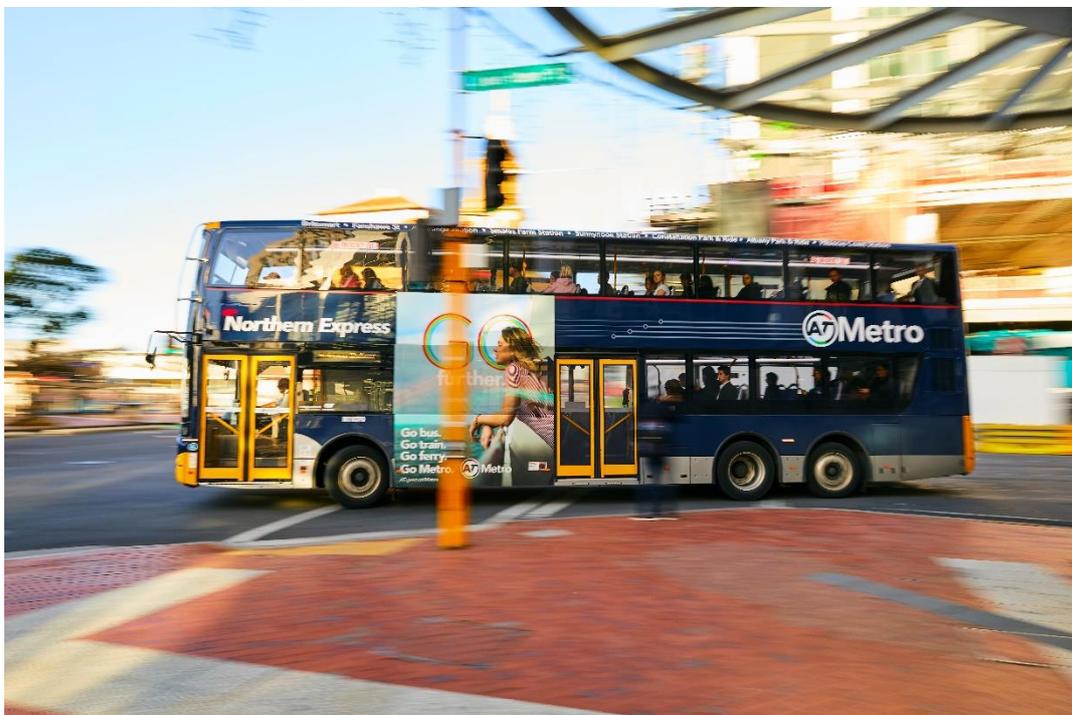
# Auckland: at a glance

## About Auckland Transport

As the custodian of our city's transport systems, Auckland Transport (AT) is rapidly evolving to meet and anticipate fast-paced changes in how people in successful cities want and need to travel. We play an active role in shaping Auckland with more sustainable and connected modes of transport.

Our operational responsibilities include the AT Metro network of bus, train and ferry services. This includes maintaining 41 railway stations, 21 ferry facilities and 16 bus and stations. We provide transport services to 1.6 million Auckland residents, 20 million visitors who arrived through Auckland Airport and 185,000 cruise ship passengers.

On the road, we manage Auckland's traffic flows in a One Network partnership with NZ Transport Agency (NZTA). We also upgrade and maintain 7,452 kilometres of road, 10 multi-storey car park buildings and off-street parking.



AT is also responsible for 7,137 kilometres of footpaths and over 325km of cycle lanes. We will continue to deliver urban cycleways that repurpose the city's road space, making it safer and better for everyone.,

Over the 10-year period from 2018, \$28 billion will be spent on transport projects and improvements in the Auckland region. This will be delivered through the Auckland Transport Alignment Project (ATAP) and the Supporting Growth programme. AT is partnering with central and local government to support a faster rate of housing growth for a projected Auckland population of 2.3 million by 2043

*Supporting Growth Alliance. (2019, July). Supporting Growth Programme.*

## A growing city

Auckland is New Zealand's economic and commercial powerhouse and is the country's only truly global city. Auckland is also diverse, with 39 per cent of residents born overseas.

Auckland's population has increased over 169,000 over the last four years. Our population growth rate more than doubled from 1.2 per cent in 2011 to 2.8 per cent in 2016.

This population growth means there is a demand for better transport infrastructure across the city.

- 2019 population – 1.69 million
- 2028 population – 2 million

Between 2000 and 2016, the number of Aucklanders in employment increased by 202,300 (+38.7 per cent), with a focus on the city centre.

*Auckland Council. (2019). Auckland's population.*



Boardings per head of population increased from 45.9 trips per capita in 2013 to 54.5 trips per capita in 2018, up 18.9 per cent over five years.

*Auckland Transport. (2019). Statement of Intent 2019 to 2022.*

## Increasing demand for travel

As Auckland continues to grow, we are future-proofing our transport planning. Rising passenger numbers on public transport along with the increase in freight and service trips will place additional pressures on the road and public transport network.

- 2019 population – 1.68 million
  - 2028 population – 2 million
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- Morning peak congestion is forecast to increase for most of central Auckland.
  - Daily boarding on public transport is expected to increase by 62% by 2028. That's 410,200 trips a day.
  - Annual patronage across the network is expected to rise to 149.7 million in 2028.

*Auckland Transport. (2018). Regional Public Transport Plan (RPTP).*



## An expanding transport network

Our transport network has transformed over the past 10 years, with more frequent and faster trips.

- 32.5% increase in AT Metro bus kilometres operated since 2015
- 82.3% increase in rail services since 2013
- 163% increase in the amount of people now living with 500 metres of a frequent and/or rapid public transport stop or station.
- 21.8% increase in cycling trips between July 2017 and July 2019
- It's now possible to travel the 163 kilometres between Wellsford and Port Waikato on the AT Metro network.
- 325km of cycle lanes, shared paths and cycleways
- The introduction of shared bike schemes and electric scooters has seen a significant increase in micro mobility across the region



## Unlocking growth potential

Our transport network plays a major role in facilitating new homes and jobs. More than 76,000 new jobs are forecasted to be created in the wider Auckland region in the next 10 years.

Auckland's Future Urban Zones have the capacity to provide 76,000 jobs and 130,000 homes while there is continued intensification in existing urban areas.

There will be new employment centres in the North and South

- 2/3 growth in existing areas
- 1/3 growth in future urban zones

*Supporting Growth Alliance. (2019, July). Supporting Growth Programme.*

## Responding to changing lifestyles

As our city grows, Aucklanders lifestyles are changing and that's influencing how people spend their time and how they travel. This has implications for the planning of the transport network. New technologies will also change people's expectations for the way they travel.

Auckland will continue to face the challenge of keeping pace with the changing lifestyles, new technologies and customer expectations.

- Flexible working hours are available to 50% of the work force, with one third of Aucklanders taking the opportunity to work from home
- Wi-Fi is now available at our 41 train stations
- Young people are less likely to have a driving license compared to 20 years ago
- Commuting continues to be the most common trip purpose but travelling for leisure is growing.
- 3.77 million cycle movements were recorded for the year of July 2018 to June 2019, an increase of 8.9% on the previous 12 months.
- 95.2% of Auckland public transport tips were made by customers using an AT HOP card in June 2019

*Based on Stats NZ Data, 2018 & Auckland Transport report*

## Taking steps towards a better environment for Auckland

We're ensuring that Auckland's growth is sustainable, but this does present a major challenge for transport.

- Auckland's light vehicle fleet (cars, motorcycles and scooters) is forecasted to reduce fuel consumption by 3%
- The heavy commercial vehicle fleet is predicted to increase fuel consumption by 23% and is expected to be accountable for 85% of the anticipated increase in road transport emissions
- Modelling and forecasting predict that emissions will increase by 5% over the next decade because of a growing population and dominant heavy vehicle use.
- When it comes to public transport, the CO<sub>2</sub> emissions per passenger km is reducing.
- In the initial trial with two electric buses over six months, there were operational savings of \$10,900 and estimated emissions reduction of 160 tonnes of CO<sub>2</sub>
- From 2025, only zero emission buses will be procured, with the vision for the entire bus fleet to be zero emission by 2040

*Taking Charge: Low Emission Bus Roadmap. (2019, April) Auckland Transport*



## Creating a cleaner, greener Auckland

While transport is essential for enabling growth, it is also a significant source of air pollution, carbon emissions and noise. We're working to address these challenges.

- From 2014, 57 electric trains were introduced to the AT rail network, reducing our use of diesel and carbon emissions
- 82% of waste from construction and demolition projects is recycled.
- 35% of material used in road corridor maintenance contracts is recycled.
- We have stopped over 10,000 tonnes of contaminants from entering the waterways with the installation of 2,900 tetratraps
- Optimising the road network has delivered 500,000 litres of fuel savings and 500 tonnes of CO<sub>2</sub> emission savings per year. This is equivalent to driving the length of NZ 3,031 times
- 43,000 streetlights have been upgraded to LED, saving enough energy to power 1,500 homes for a year
- Energy efficiency savings through LED retrofits for streetlights, traffic signals, train stations and carparks are collectively predicted to save around \$2.1 million annually.
- We are aiming to have an emissions-free corporate fleet from 2025.
- In 2018 we reduced the size of our vehicle feet by 15% and then invested in 20 fully-electric cars, helping reduce emissions by 11% (65, 662kg CO<sub>2</sub>) annually.
- We have also added three new electric bikes and six pedal bikes to our fleet at our head office which are a great way for our people to travel for work-related trips and an easy way to incorporate exercise into our days.