

**Submission  
No 17**

## **EMISSION FREE MODES OF PUBLIC TRANSPORT**

**Organisation:** Public Transport Association Australia New Zealand

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The Public Transport Association Australia New Zealand (PTAANZ) has been a leading advocate for the transition to zero emissions buses in Australia and New Zealand. We have supported government and industry through activities such as a Zero Emissions Bus Forum in 2020, a Zero Emissions Bus Masterclass in 2022 and a government working group on zero emissions buses that brings together state and territory public transport authorities on a regular basis to discuss their progress and challenges in transitioning to zero emission bus fleets. Through such activities, we have connected Australian policy makers with cutting-edge thought leadership and practical experience to inform their decisions and future plans.

PTAANZ believes that reducing carbon emissions from public transport has wide-reaching benefits on air quality and public health. Transitioning bus fleets to zero emissions also provides the opportunity to improve passenger experience as they offer quieter journeys and newer vehicles can include features such as phone chargers and improved accessibility.

Furthermore, the transition to zero emissions public transport provides economic opportunities for Australia through the growth of sustainable energy markets including green hydrogen and solar power.

We have attached some reports that may be useful to your enquiry:

- The report from our 2020 Zero Emission Bus Forum (published under PTAANZ's former name of UITP Australia New Zealand).
- Auckland's Low Emission Bus Roadmap.
- Electrification of Public Transport – a case study of the Shenzhen Bus Group (the city of Shenzhen, China operates the world's first fully electric bus and taxi fleet).
- A report from the International Association of Public Transport (UITP) on optimising bus tendering to incorporate the ongoing transition from internal combustion engine buses to electric buses and alternative fuel technologies.
- UITP's Global Bus Survey, which includes data on bus propulsion systems used around the world.