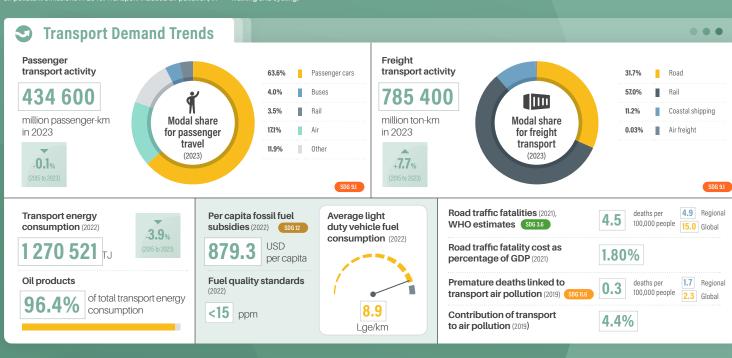
LOCAT

Australia

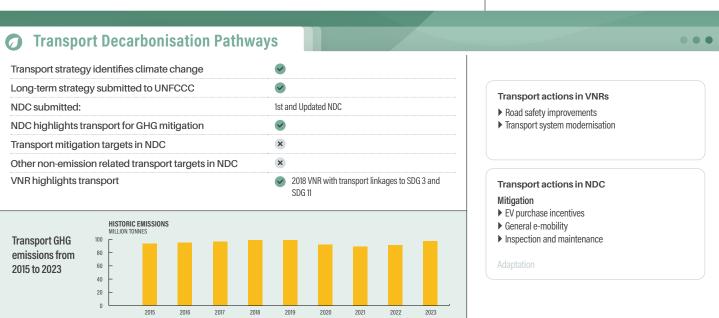
Australia's transport sector is characterised by high per capita emissions, with transport accounting for 17% of national GHG emissions in 2023. Despite a decline in transport energy consumption since 2015, emissions have risen due to continued reliance on oil products. Renewable energy, including biofuels and electricity, accounted for only 2.2% of Australia's transport energy consumption, whereas the carbon intensity of its electricity remain high, at 556.3 gCO₂/kWh in 2023. Passenger travel demand has remained stable, with private cars dominating the modal share, while freight transport has grown, primarily driven by road and rail. Beyond climate impacts, transport accounted for 4.4% of national air pollutant emissions in 2019. Transport-induced air pollution, in

turn, caused 0.34 premature deaths per 100,000 people in Australia in 2019. Road traffic injuries, on the other hand, claimed 4.5 lives per 100,000 people and accounted for 1.80% of the country's GDP in 2021. In 2020, a significant share (84.44%) of Australia's population had convenient access to public transport. The country has introduced measures to promote electric vehicles, including purchase incentives, but lacks national emissions reduction targets for transport in its NDC. Subnational policies, such as fuel mandates and ICE phase-out targets, indicate progress towards decarbonisation, while support for improved sustainability of transport is mainly supported by a few subnational activities on walking and cycling.

\$	Income group: High-income	*
•	Human Development Index (2023): 0.96	* *
229	Population size (2023): 24.13 million	+10.7% (2015 - 2023)
.4	Urban population share (2023): 86.50%	+11.6% (2015 - 2023)
di	GDP per capita (2023): 62 081.21 USD	+9.2% (2015 - 2023)
Ð	Share of transport and storage jobs in workforce (20)	23) 8.3%
Q	Share of women employed in transport and storage ((2023) 24.7%







COUNTRY FACT SHEET | AUSTRALIA

Road Transport

Total road vehicles in use per 1,000 people (2020)



Policy Areas: Indicators and Targets



737.6

Integrated Transport Planning	
National urban mobility framework (2024)	•
Sustainable urban mobility plans (2024)	•
Number of sustainable urban mobility plans (2022)	1 city
Low emission zones (2022)	None, LEZs proposed for the City of Sydney
★ Adaptation and Resilience	
ND-GAIN Index (2022)	69.55
Vulnerability score for infrastructure (2022)	0.18
† Walking	

•					
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Walkability Score (2024)	0.55
National walking strategies (2024)	Only on subnational level



- ▶ Planning for walkable communities and places
- ▶ Building connected, comfortable and safe walking environments for all
- ▶ Encouraging more people to walk as part of their 'everyday'
- ▶ Working together to deliver for walking

Cycling

Cycling infrastructure in capital (2022)		
Percent near protected bikeways (2024)	34.3%	
Bike sharing systems (2024)	14	
National cycling strategies (2024)	Only on subnational level	
@ Torget		



▶ Objectives on inclusive cycling, accessibility, integration with land use planning and cycle

Public Transport

Bus rapid transit (2024)	90 km of total length in 3 cities
Bus rapid transit daily passenger volume (2024)	413 300 passengers per day
Urban rail (LRT, metro, tram) (2024)	1325 km in 8 cities
Proportion of population that has convenient access to public transport (2020) SDG112	84.44%

IE 1	loto	roit.	Doil
BEB 1	ınte	rcity	Rail

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Rail network	
Rail travel activity (2021)	9 327.631 million passenger-km
Rail freight activity (2021)	453 091 million ton-km
High-speed rail	
High-speed rail travel activity (2002)	
National plans for passenger and freight rail expansion (2024)	•

▶ Inland Rail Project to upgrade 1,100 km and build 600 km new tracks

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report - 4^{th} Edition. The country fact sheets have been made possible thanks to financial support from the ClimateWorks Foundation. Information presented in this fact sheet is based on desk research and may not be complete or reflect the most recent status. Data has been collected to not be complete of reflect the most recent status. Data has been collected to the best of our knowledge and availability. Where no information could be retrieved, the indicators are shown in grey. The content does not represent the views of the SLOCAT Partnership on Sustainable, Low Carbon Transport or the ClimateWorks Foundation. For more information, please visit gsr4.slocat.net.

GDP	Gross-domestic product
HDV	Heavy-duty vehicle
ICE	Internal combustion engine
kWh	Kilowatt-hour
LDV	Light-duty vehicle

Nationally determined contribution Primary, secondary or tertiary roads

TEU Twenty-foot Equivalent Unit UNEP United Nations Environment Programme United Nations Environment Programme United Nations Framework Convention on Climate Change VNR Voluntary national review of the Sustainable Developiment Goals WLTP Worldwide harmonised light vehicles test procedure

Electric vehicles stock for vans (2024)

Electric vehicles stock for trucks (2024)

procedure

Road vehicle fleet growth (from 2015 to 2020)	10.0%		
Rural Access Index (2019) SDG 9.1			
Diesel prices (2022)	1.15 USD per litre		
Gasoline prices (2022)	1.17 USD per litre		
→ Aviation			
Air passengers carried (2021)	24.6 million people		
Air freight activity (2021)	1244.8 million ton-km		
Carbon-accredited airports (2023)	16 airports		
of which carbon neutral:	3 airports		
â Shipping			
Logistics Performance Index (2023)	3.7		
Liner shipping connectivity index (Q4 2024)	35.7		
Container port traffic (2020)	8 656 995.0 TEU		
Transport Energy Sources			
Biofuel blend overall mandate (2023)	Subnational mandates ranging from 0.5 to 10%		
Biofuel blend biodiesel mandate (2023)			
Biofuel blend ethanol mandate (2023)	10.0%		
Carbon intensity of electricity (2023)	556.30 gCO ₂ /kWh		
Renewable energy (biofuels and electricity) share in transport (2022) SDG 721	2.2% of total transport energy consumption		
Biofuels (2022)	0.3% of total transport energy consumption		
Electricity (2022)	1.9% of total transport energy consumption		
Targeted renewable power share			
Vehicle Technologies			
Emission standards for LDVs (2024)	Euro 4 and above		
CO ₂ emissions performance for passenger cars (2024)	154 g CO ₂ /km in 2021		
Targeted CO ₂ emissions performance (2024)	58 g CO ₂ /km by 2029		
Regulatory environment ranking on used vehicles (2024)			
Electric vehicles stock for passenger cars (2024)	250 000 vehicles		
Share of electric vehicles in car sales (2024)	13 %		
ICE phase-out targets	 Sub-national (South Australia and Australian Capital Territory: 2035; Queensland: 2036) 		
Flootric vehicles stock for your (0004)			



Supported by: Drive Electric