LOCAT

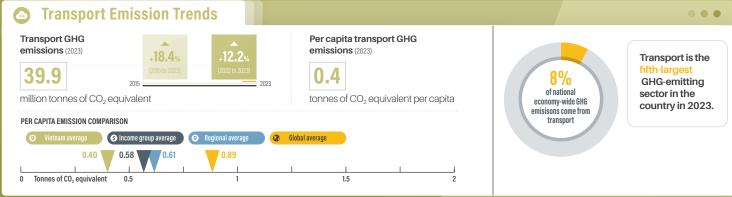
Viet Nam

Viet Nam's transport sector is dominated by road travel, accounting for nearly 98% of passenger mobility and over 71% of freight movement. Despite economic growth, data indicates that passenger travel activity declined by 29% from 2015 to 2021, while freight transport increased. Transport emissions rose by 18.4% since 2015, contributing 7.6% of national GHG emissions in 2023. Renewable energy, including biofuels and electricity, accounted for a mere 0.4% of the country's transport energy consumption, whereas the carbon intensity of its electricity remained high, at 472.5 gCO_KWM in 2023. Concerning sustainability aspects, transport accounted for 6.2% of national air pollution in 2019. Transport-induced caused 2.42 premature deaths per

100,000 people in Viet Nam in the same year. Road traffic injuries are significant contributor to overall deaths, claiming 17.7 lives per 100,000 people and accounted for 5.10% of Viet Nam's GDP in 2021. In 2020, 52.51% of Viet Nam's population had convenient access to public transport, whereas an impressive 88.5% of the rural population had access to all-weather roads. Viet Nam's policies support public transport expansion, vehicle efficiency improvements and alternative fuels. Planned investments in rail and low-emission zones signal steps towards sustainability. However, high reliance on oil (99.5%), dominance of road transport and above-average road traffic fatalities pose ongoing challenges for sustainable, low-carbon transport.

\$	Income group: Middle-income	•
•	Human Development Index (2023): 0.77	
217	Population size (2023): 93.39 million	+8.43% (2015 - 2023)
.4	Urban population share (2023): 39.90%	+26.15% (2015 - 2023)
di	GDP per capita (2023): 3772.54 USD	+45.46% (2015 - 2023)
•	Share of transport and storage jobs in workfor	rce (2023) 4.1%
Q	Share of women employed in transport and sto	orage (2023) 13.7%







COUNTRY FACT SHEET | VIET NAM



Policy Areas: Indicators and Targets





National urban mobility framework (2024)	
Sustainable urban mobility plans (2024)	
Number of sustainable urban mobility plans (2022)	
Low emission zones (2022)	2 planned LEZs
Adaptation and Resilience	
ND-GAIN Index (2022)	48.70
Vulnerability score for infrastructure (2022)	0.54
† Walking	
Walkability Score (2024)	
National walking strategies (2024)	×
№ Cycling	
Cycling infrastructure in capital (2022)	2.3 km
Percent near protected bikeways (2024)	
Bike sharing systems (2024)	8
National cycling strategies (2024)	×
ସହି Public Transport	
Bus rapid transit (2024)	15 km of total length in 1 city
Bus rapid transit daily passenger volume (2024)	8 000 passengers per day
Urban rail (LRT, metro, tram) (2024)	41.3 km in 2 cities
Proportion of population that has convenient access to public transport (2020) SDG IL2	52.51%
Intercity Rail	
Rail network (2021)	3159 km
Rail travel activity (2020)	1516 million passenger-km
Rail freight activity (2020)	3759 million ton-km
High-speed rail	
High-speed rail travel activity	
National plans for passenger and freight rail expansion (2024)	<
Target ➤ Add nine new rail lines with 2,362 km by 2030 ➤ To have a network of 25 lines with a length of 6,354 km by	2050

Fotal road vehicles in use per 1,000 people (2020)	49.0
Road vehicle fleet growth (from 2015 to 2020) Rural Access Index (2019) SDG 91	120.53% 88.5 RAI PST
Diesel prices (2022)	0.87 USD per litre
Gasoline prices (2022)	1.05 USD per litre
* Aviation	
Air passengers carried (2021)	14.8 million people
Air freight activity (2021)	676.5 million ton-km
Carbon-accredited airports (2023)	
of which carbon neutral:	
Shipping	
Logistics Performance Index (2023)	
Liner shipping connectivity index (Q4 2024)	77.5
Container port traffic (2020)	12 422 588.0 TEU
Transport Energy Sources	
Biofuel blend overall mandate (2023)	_
Biofuel blend biodiesel mandate (2023)	5.0%
Biofuel blend ethanol mandate (2023)	5.0%
Carbon intensity of electricity (2023)	472.47 gCO₂/kWh
Renewable energy (biofuels and electricity) share in transport (2022)	0.4% of total transport energy consumption
Biofuels (2022)	0.1% of total transport energy consumption
Electricity (2022)	0.3% of total transport energy consumption
Targeted renewable power share	39%
ŭ Vehicle Technologies	
Emission standards for LDVs (2024)	Euro 4 and above
CO2 emissions performance for passenger cars (2024)	
Targeted CO₂ emissions performance (2024)	No target set
Regulatory environment ranking on used vehicles (2024)	Good
Electric vehicles stock for passenger cars (2024)	110 000 vehicles
Share of electric vehicles in car sales (2024)	17%
CE phase-out targets	×
F aur Jana	•
Electric vehicles stock for vans (2024)	

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report - 4th 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 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. Supported by: Prive Electric CAMPAIGN

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List of acronyms
GDP Gross-domestic product
HDW Heavy-duty-vehicle
ICE Internal combustion engine
KWh Kilowatt-hour
LDW Light-duty-vehicle
LRT Light-rail transit
NDC Nationally determined contribution
PST Primary, secondary or tertiary roads

TEU Iventy-foot Equivalent Unit UNEP United Nations Environment Programme United Nations Environment Programme United Nations Framework Commention or United Nations Framework Commention or Williamst Change Villamst Change

procedure









