

United States of America



TRANSPORT, CLIMATE AND SUSTAINABILITY GLOBAL STATUS REPORT



The US remains to be the largest national transport CO₂ emitter in the world in terms of absolute and per capita emissions. Transport is the largest CO₂-emitting sector in the US. The growth showed signs of stagnation in 2018 and 2019. Freight continued to grow even in 2020, while passenger transport took a strong hit (15% below 2015 levels).

Transport CO₂ emissions in North America need to reduce at least 10% by 2030 and 60% by 2050. Recent federal developments accelerate their activities on infrastructure improvements (incl. rail, public transport etc.). However, these activities are not yet sufficient to drastically shift to an emission decrease. Specific targets on renewables in transport, vehicle electrification and public transport shares are relatively weak compared to the needed efforts.

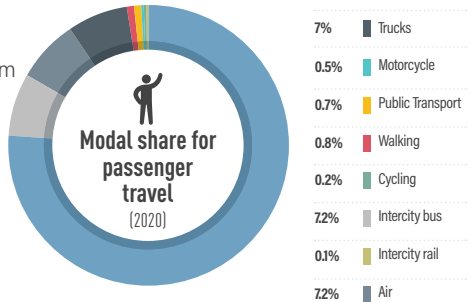
Income group	High-income
Human Development Index (2021)	0.921
Population size (2022)	337 499 479 +4.4% (2015 - 2022)
Urban population share (2022)	82.8% +6.9% (2015 - 2022)
GDP per capita (2021)	60 442.30 +735% (2015 - 2021)

Transport Demand Trends

Passenger travel activity

6 809 458
million passenger-km in 2020

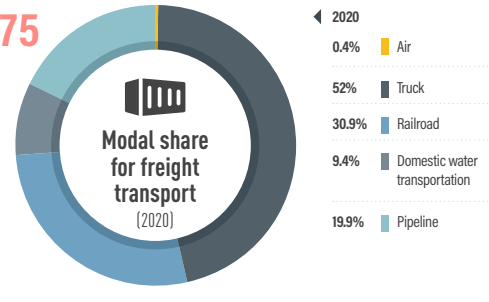
-15.2%
(2015 to 2020)



Freight transport activity

7 666 075
million ton-km in 2020

+3%
(2015 to 2020)



Energy consumption (2020)

550
million tonnes of oil equivalent

-10.4%
(2015 to 2020)

Average light duty fuel economy consumption Lge/100 km (WLTP)

8.6
(2019)

89%
Oil products

5%
Natural gas

6%
Biofuels

0.2%
Electricity

Transport Emission Trends

Transport CO₂ emissions (2021)

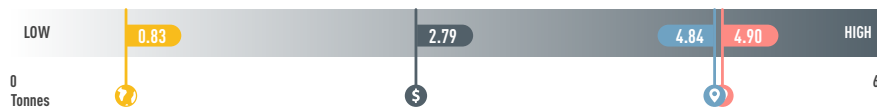
1647.6 million tonnes

-3.1%
(2015 to 2021)

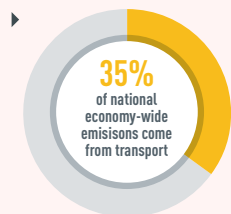
Per capita transport CO₂ emissions (2021)

4.90 tonnes

Per capita transport CO₂ emissions



Transport is the largest CO₂ producing sector in the country



Transport Decarbonisation Pathways

Transport strategy identifies climate change	✓
Long-term strategy submitted to UNFCCC	✓
NDC submitted:	1st and Updated NDC
NDC highlights transport for GHG mitigation	✓
Transport mitigation targets in NDC	✗
Other non-emission related transport targets in NDC	✗
VNR highlights transport	No submission

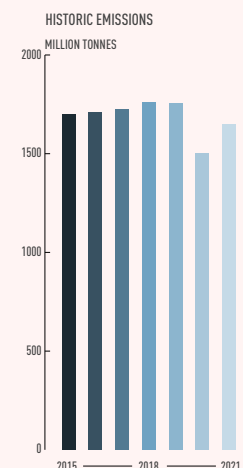
Transport actions in VNRs

▶ Not available

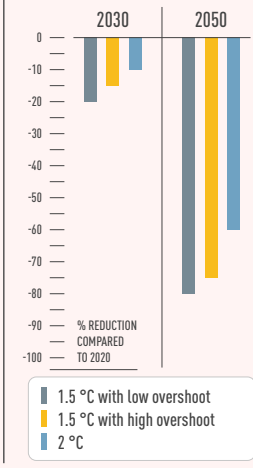
Transport actions in NDC

- ▶ Cycling measures
- ▶ EV charging infrastructure
- ▶ EV purchase incentives
- ▶ General alternative fuels
- ▶ General infrastructure improvements
- ▶ Vehicle efficiency standards
- ▶ Walking measures

Required regional transport decarbonisation pathways



IPCC transport decarbonisation pathways for this region





Policy Areas: Indicators and Targets

Integrated Transport Planning

National urban mobility framework (2022)	Not available
Sustainable urban mobility plans (2022)	Not available
Number of sustainable urban mobility plans (2022)	Not available
Low emission zones (2022)	Not available

Walking

National walking strategies (2022)	Only summarised as walking and cycling strategy in national plan
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Targets

- ▶ Increase of trips by public transport and active transport from roughly 4% to 6% by 2026

Cycling

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Targets

- ▶ Increase of trips by public transport and active transport from roughly 4% to 6% by 2026

Cycling infrastructure in capital (2022)	167 km of separated bikelanes
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Shared Mobility, Public Transport and Informal Transport

Bus rapid transit (2022)	438 km in 15 cities
Bus rapid transit daily passenger volume (2022)	502 389
Urban rail (LRT, metro, tram) (2022)	2377 km in 41 cities
Rapid Transit to Resident Ratio (2021)	15.2

Intercity Rail

Rail network (2021)	148 553 km
Rail travel activity (2020)	12 460 million-passenger-km
Rail freight activity (2021)	2 239 400.7 million ton-km
High-speed rail (2021)	Not available
High-speed rail travel activity (2021)	Not available
National plans for passenger and freight rail expansion (2022)	Yes

Road Transport

Total road vehicles in use per 1,000 people (2020)	860.4
Average annual growth rate (from 2015 to 2020)	1.80%

Aviation

Air passengers carried (2020)	370 million people
Air freight activity (2020):	40793.1 million ton-km
Carbon-accredited airports (2022)	31 airports
of which carbon neutral:	4 airports

Shipping

Liner shipping connectivity index (2021):	102.6
Container port traffic (2022):	54 963 689 TEU

Transport Energy Sources

Biofuel blend mandate (2022)	Subnational between 2 to 20% biodiesel, 2 to 20% ethanol
Renewable energy (biofuels and electricity) share in transport (2020)	6.40%
Targeted % of renewable energy	15% by 2030 and 30% biofuels in transport by 2050

Vehicle Technologies

Emission standards for LDVs (2020)	Euro 6
CO ₂ emissions performance for passenger cars (2020)	128.4 gCO ₂ /km
Targeted CO ₂ emissions performance	79.2 gCO ₂ /km by 2026
Regulatory environment ranking on used vehicles by UNEP (2021)	Not available
Electric vehicles (2022)	2 100 000
Share of electric vehicles in car sales (2022)	7.7%
ICE phase-out targets:	No, but subnational level 2035

COVID-19

Strongest impact of COVID-19 on...	(compared to pre-COVID-19 baseline)
... trips to public transport	-52.40% Week of 12 April 2020
... navigation request for walking	-54.30% Week of 29 March 2020
... navigation request for driving	-46.60% Week of 5 April 2020
... driven kilometres	-65.70% Week of 12 April 2020
Traditional transport infrastructure investment:	USD 393.11 billion
Clean transport infrastructure investment:	USD 222.63 billion

Examples

- ▶ Nationally significant freight and highway projects
- ▶ Safe routes to school
- ▶ Active transportation infrastructure investment program
- ▶ Federal-state partnership for intercity passenger rail grants
- ▶ Bus facilities and low/no-emission grants

This fact sheet is part of the SLOCAT Transport, Climate and Sustainability Global Status Report 3rd Edition. Information shown in this country fact sheet is based on desk research and might not be complete or not show the most recent status. The data has been collected to the best knowledge and availability. If no information was able to be retrieved, then 'Not available' is being indicated. The content does not represent the opinion of the SLOCAT Partnership on Sustainable, Low Carbon Transport. For more information, please visit tcc-gsr.com

List of acronyms

GDP	Gross-domestic product
HDV	Heavy-duty vehicle
ICE	Internal combustion engine
LDV	Light-duty vehicle
LRT	Light-rail transit
NDC	Nationally determined contribution
TEU	Twenty-foot Equivalent Unit
UNEP	United Nations Environment Programme
UNFCCC	United Nations Framework Convention on Climate Change
VNR	Voluntary national review of the Sustainable Development Goals
WLTP	Worldwide harmonised light vehicles test procedure