# Saudi Arabia

Saudi Arabia's transport sector is highly dependent on fossil fuels, with 100% of its transport energy coming from petroleum products. Thus, the carbon intensity of the country's electricity remains very high, at 696.3 gCO./kWh in 2023. Passenger travel is dominated by private vehicles, accounting for 87.8% of trips in Riyadh. Transport emissions have slightly declined since 2015 (-0.9%) but remain high at 4.49 tonnes per capita, far exceeding global and regional averages. Regarding air pollution, transport contributed 5.2% to the national air pollutant emissions in 2019, causing 2.62 premature deaths per 100,000 people in Saudi Arabia. Saudi

able was the country with the second highest number of ad traffic fatalities in Asia, with 18.5 deaths per 100,000 sople. Road traffic fatalities accounted for a high share of 3% of Saudi Arabia's GDP in 2021. In 2020, only 29.81% of audi Arabia's population had convenient access to public ansport. The country is prioritising rail expansion and smart ansport solutions, while policies supporting public transport nd vehicle electrification remain limited. Overarching ameworks towards sustainable, low-carbon transport were tridentified for Saudi Arabia.

\$	Income group: High-income	BRENN	
2	Human Development Index (2023): 0.90		
<u>21</u>	Population size (2023): 30.46 million	+11.47% (2015 - 2023)	
.4	Urban population share (2023): 93.85%	+17.51% (2015 - 2023)	
di	GDP per capita (2023): 23 613.55 USD	<b>+4%</b> (2015 - 2023)	
	Share of transport and storage jobs in workforce (20)	23) 3.7%	
ç	Share of women employed in transport and storage (	(2023) 5.6%	

## **S** Transport Demand Trends



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# Policy Areas: Indicators and Targets

Integrated Transport Planning	
National urban mobility framework (2024)	<b>~</b>
Sustainable urban mobility plans (2024)	
Number of sustainable urban mobility plans (2022)	
Low emission zones (2022)	
😽 Adaptation and Resilience	
ND-GAIN Index (2022)	57.56
Vulnerability score for infrastructure (2022)	0.27
∱ Walking	
Walkability Score (2024)	0.14
National walking strategies (2024)	×
So Cycling	
Cycling infrastructure in capital (2022)	220 km of cycle lanes in planning

	planning
Percent near protected bikeways (2024)	0%
Bike sharing systems (2024)	4
National cycling strategies (2024)	×

### **Public Transport**

Bus rapid transit (2024)	
Bus rapid transit daily passenger volume (2024)	
Urban rail (LRT, metro, tram) (2024)	194 km in 2 cities
Proportion of population that has convenient access to public transport (2020)	29.81%
Intercity Rail	
Rail network (2018)	2939 km
Rail travel activity (2018)	134.65 million passenger-km
Rail freight activity (2010)	1852.472 million ton-km
High-speed rail	
High-speed rail travel activity	
National plans for passenger and freight rail expansion (2024)	<ul> <li>✓</li> </ul>
-4	

### 🔊 Target

- ▶ Grow rail network to 8,000 km
- ▶ Increase local content in rail operations to 60% by 2025
- Create over 3,000 jobs in the local market

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U Road Transport	
Total road vehicles in use per 1,000 people (2020)	
Road vehicle fleet growth (from 2015 to 2020)	
Rural Access Index (2019) SDG 91	
Diesel prices (2022)	0.14 USD per litre
Gasoline prices (2022)	0.53 USD per litre
Air passengers carried (2021)	29.4 million people
Air freight activity (2021)	678.6 million ton-km
Carbon-accredited airports (2023)	3 airports
of which carbon neutral:	1 airport
â Shipping	
Logistics Performance Index (2023)	3.4
Liner shipping connectivity index (Q4 2024)	69.5
Container port traffic (2020)	9 394100.0 TEU
🕑 Transport Energy Sources	
Biofuel blend overall mandate (2023)	
Biofuel blend biodiesel mandate (2023)	
Biofuel blend ethanol mandate (2023)	
Carbon intensity of electricity (2023)	696.31 gCO <sub>2</sub> /kWh
Renewable energy (biofuels and electricity) share in transport (2022) SD6 721	0.0% of total transport energy consumption
Biofuels (2022)	
Electricity (2022)	
Targeted renewable power share	50%
👼 Vehicle Technologies	
Emission standards for LDVs (2024)	Below Euro 3
CO2 emissions performance for passenger cars (2024)	
Targeted CO <sub>2</sub> emissions performance (2024)	No target set
Regulatory environment ranking on used vehicles (2024)	Good
Electric vehicles stock for passenger cars (2024)	
Share of electric vehicles in car sales (2024)	
ICE phase-out targets	×
Electric vehicles stock for vans (2024)	
Electric vehicles stock for trucks (2024)	

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uct	TEU	Twenty-foot Equivalent Unit
	UNEP	United Nations Environment Programme
ngine	UNFCCC	United Nations Framework Convention or
		Climate Change
	VNR	Voluntary national review of the
		Sustainable Developiment Goals
l contribution	WLTP	Worldwide harmonised light vehicles test

		Climate Change
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tion	WLTP	Worldwide harmonised light vehicles test
oads		procedure

SDG 3.6		SDG
SDG 11.2	SDG 11.6	SDG
<u> </u>		12 RESPON