

Viet Nam

Transport Climate Profile

Population (2024)
99.5 million

Urban population
40%

Below 18 y.o.
28%

Population density
315 persons per sqkm

Rural population
60%

Above 60 y.o.
15%

Subregion
(1) South East Asia

Gross domestic product
(GDP PPP, 2022)
(1) 1.32 trillion USD

Domestic consumption per capita, tonnes (2024)
(1) 14.2 tonnes

(1,2) *Domestic consumption is the total amount of materials directly used in the economy (used domestic extraction plus imports), minus the materials that are exported.*

Income class
Low and lower middle income

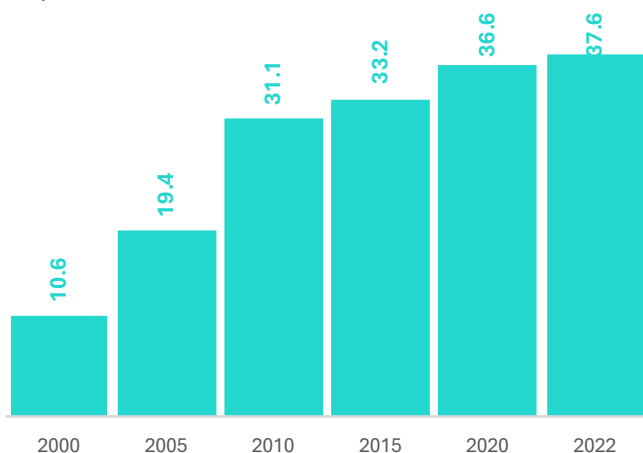
GDP per capita (PPP, 2022)
13,461 USD (1,2)

(2)

(3)

Transport and Climate Change

Transport fossil CO2 emissions, million tonnes



(4)

In 2010, transport contributed 19.9% of total fossil CO2 emissions. By 2022, transport contributed 11.5%.

Share of transport CO2 emissions by mode (2022)

| Road **84.4%** (4)

| Rail **0.3%**

| Navigation **7.7%** (4)

| Aviation **7.7%**

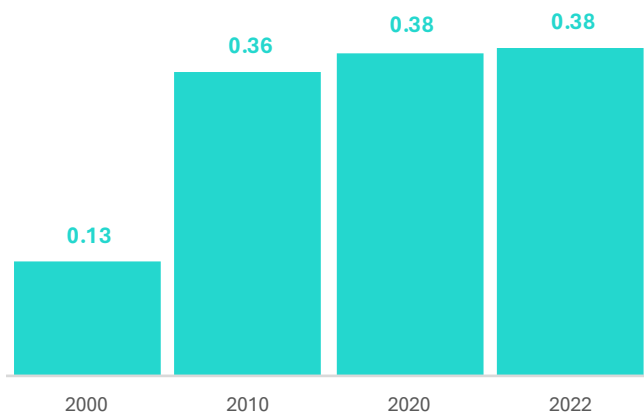
Navigation and aviation only includes domestic transportation

Between 2000-2015, road transport contributed 95.6% in transport fossil CO2 emissions. Between 2016-2022, road transport contributed 85.6%.

Transport CO2 emissions intensity with GDP, 2022
28.5 gCO2 per USD

Asia-Pacific average is 33.2 gCO2 per USD

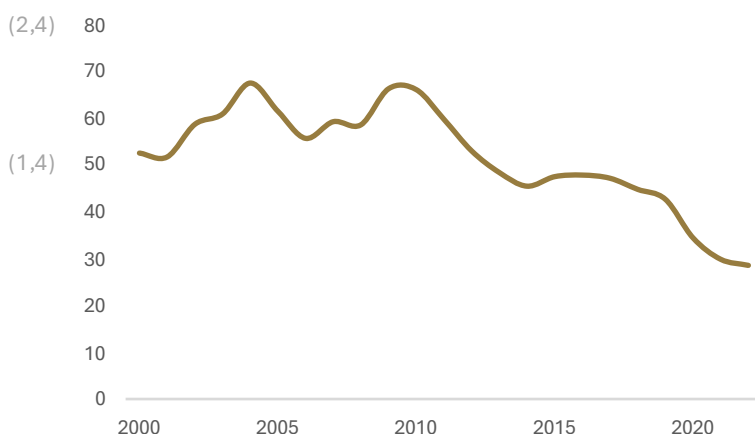
Transport fossil CO2 emissions per capita, tonnes



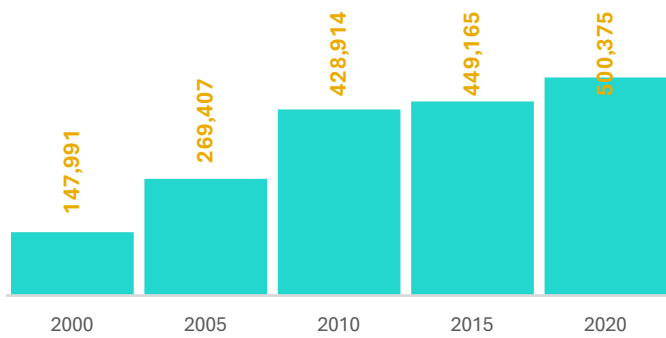
(2,4)

Transport CO2 emissions intensity with GDP trend, gCO2 per USD

(2,4)



Transport energy consumption, terajoules

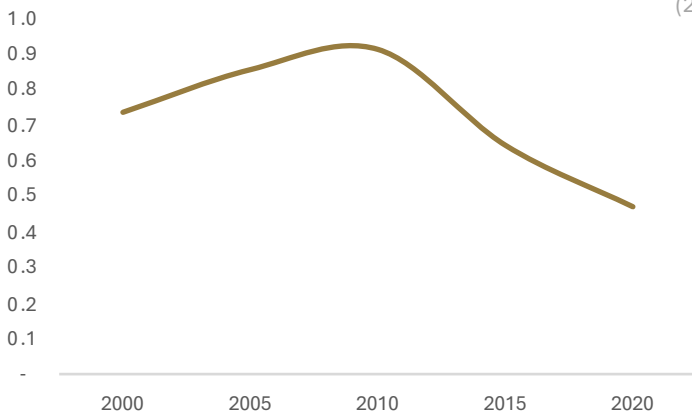


Transport energy intensity with GDP, 2020

0.5 MJ per USD

Asia-Pacific average is 0.5 MJ per USD

Transport energy intensity with GDP trend, MJ per USD

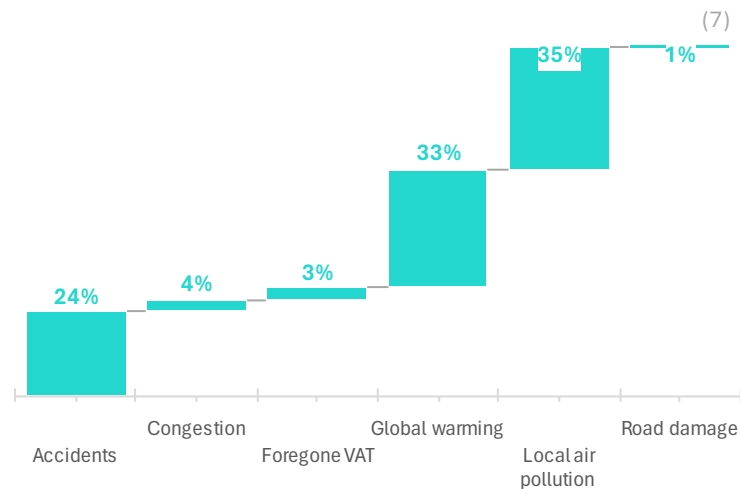


Transport fossil fuel subsidies, cumulative from 2010 to 2022

1 million USD

0.0% of Asia-Pacific total

Implicit fossil fuel subsidies due to externalities



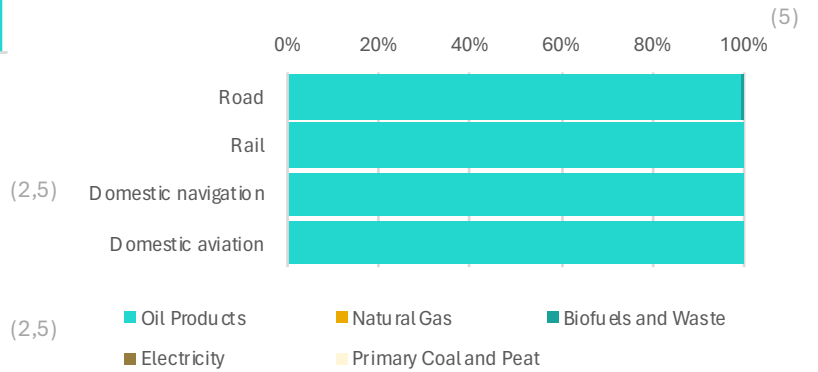
Data includes all sectors and all fuel types

Share of transport energy consumption by mode (2020)



Navigation and aviation only includes domestic transportation

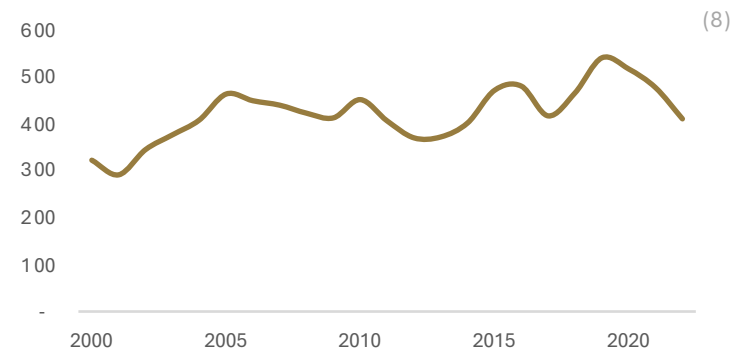
Share of transport energy consumption by source (2020)



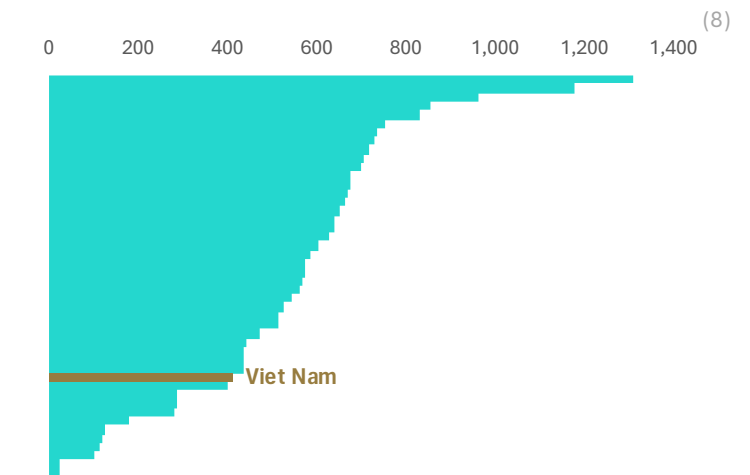
Grid emission factor (2022)

409.8 gCO₂ per kWh

Grid emission factor trend, gCO₂ per kWh



Grid emission factors in Asia-Pacific, gCO₂ per kWh



Vehicle Fleet

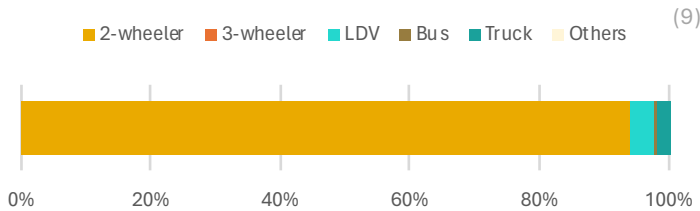
Road vehicles (2022)
90.54 million vehicles

Road vehicle motorization rate (2022)
922 vehicles per thousand population

Road vehicles include 2- and 3-wheelers, LDVs, buses and other informal public transport, trucks, and other unclassified types

In 2000, Viet Nam had 168 vehicles per thousand population. By 2022, this has increased to 922 compared with Asia-Pacific average of 577 in 2022.

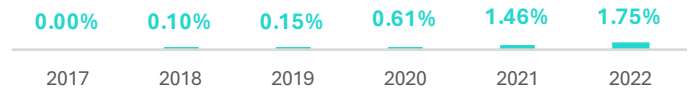
Share of vehicles by type



Bus vehicle production, units

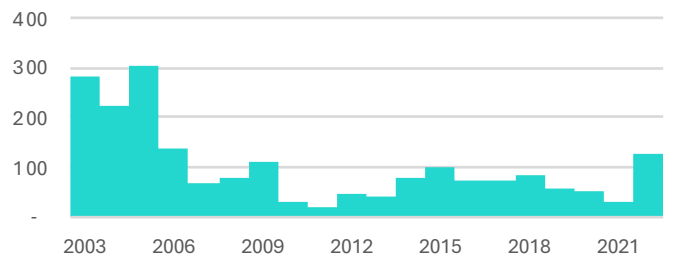
Electric road vehicle import value (2017-2022)
(9) | Total **293 million USD** | Hybrid-electric **278.5 million USD** (11)

(1,9) Electric road vehicle share in total road vehicle import value trend (11)



Bus import value (2017-2022)
153.6 million USD (11)

(10) Bus import value trend, assuming 2015=100 (11)



Adaptation

Average annual losses to transport infrastructure due to hazards (2023)
48.57 million USD

Share of average annual losses due to hazards, by mode (2022)
| Road **68%** | Rail **27%**
| Ports **0%** | Airports **4%**

National road vulnerability index ranking (2023)
131st out of 208 countries

Share of population in low elevated coastal zones (2018)
37%

Average annual losses to transport infrastructure due to hazards, as a share of GDP, in Asia-Pacific (2023) (12)



Developed with the support of:



Urban Transport

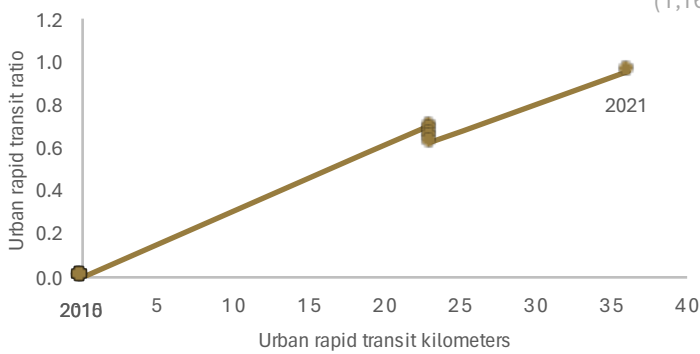
Urban rapid transit length (2021)

| BRT **23 kilometers** | LRT **None**
 | Metro **13 kilometers**

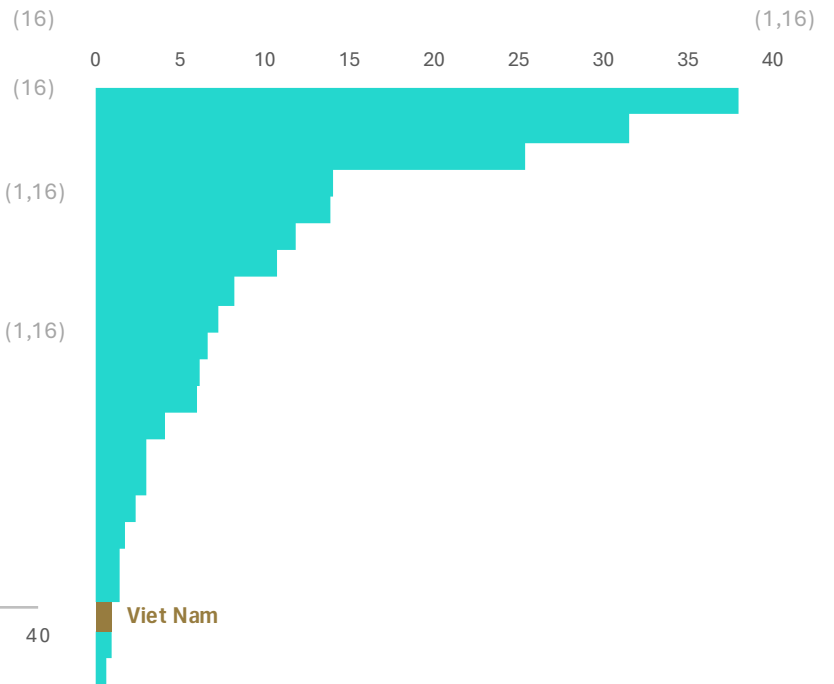
Urban rapid transit ratio (2021)

0.96 kilometers per million urban population

Urban rapid transit ratio, kilometers per million urban population (2000-2021)



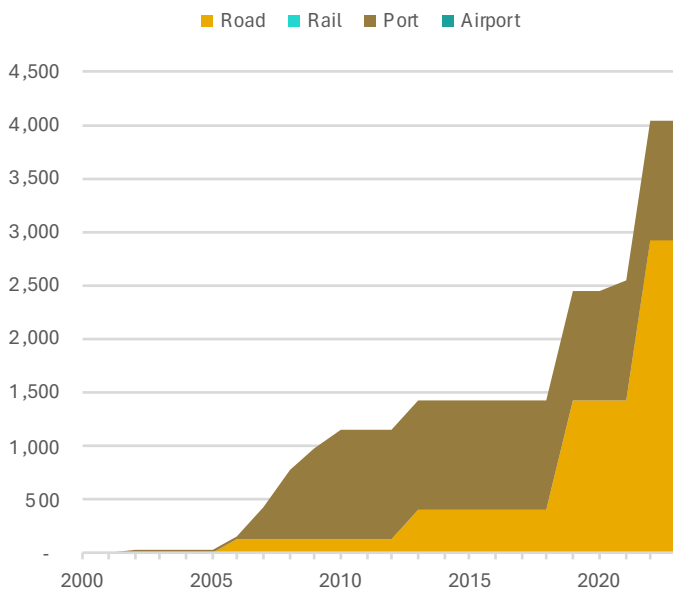
Urban rapid transit ratio in Asia-Pacific, kilometers per million urban population (2021)



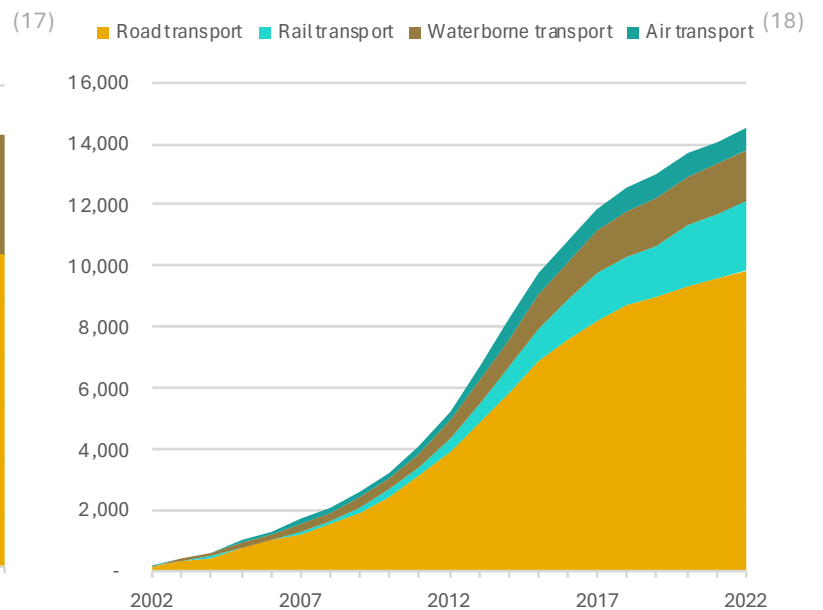
Based on 2015 estimates, only 82% of the population could reach the nearest city in 30 minutes, another 10% could reach in 1 hour, and another 7% could reach only after 3 hours.

Transport Investment

Public-private partnership investments in the transport sector, million USD

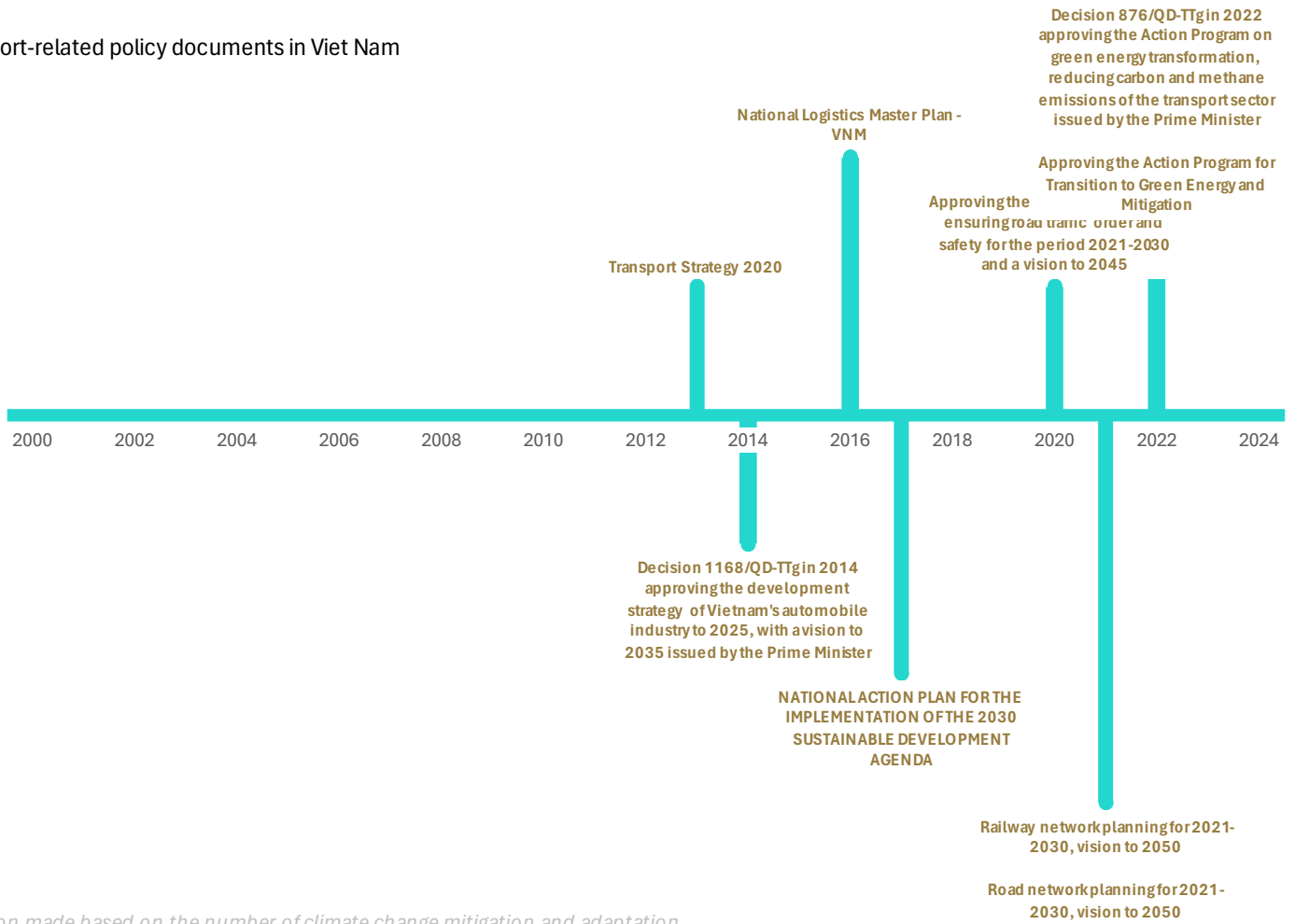


Official development assistance in the transport sector, million USD



Transport Climate Policy Documents

Transport-related policy documents in Viet Nam



Selection made based on the number of climate change mitigation and adaptation

Nationally Determined Contributions

		Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
Viet Nam NDC 2022 Update (adopted in 2022)	Mitigation measures	Yes	Yes	Yes	Yes	
	Mitigation targets					
	Adaptation measures	Yes	Yes	Yes	Yes	
	Adaptation targets					

Long-term Strategies

		Road transport	Rail transport	Domestic navigation	Domestic aviation	Urban transport
None	Mitigation measures					
	Mitigation targets					
	Adaptation measures					
	Adaptation targets					

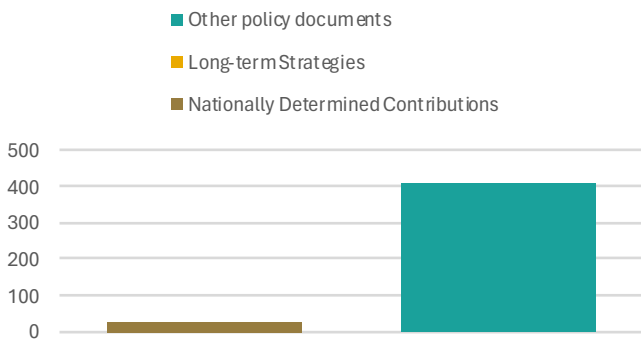


Developed with the support of:

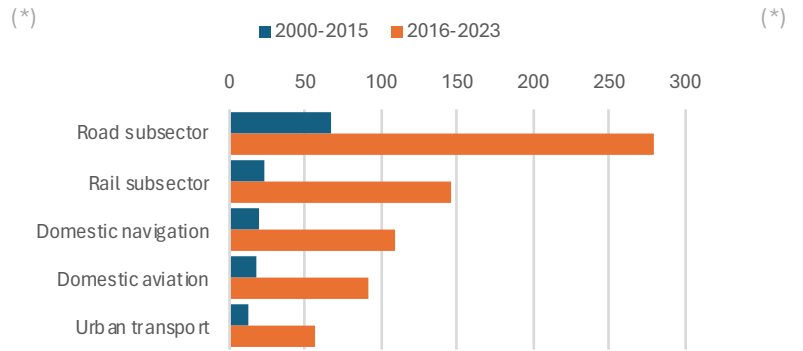


Transport Climate Policy Overview

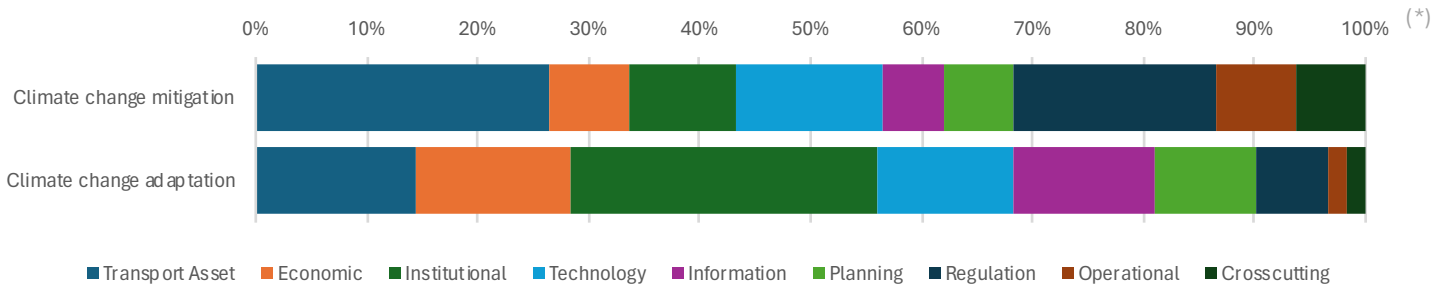
Number of measures by source



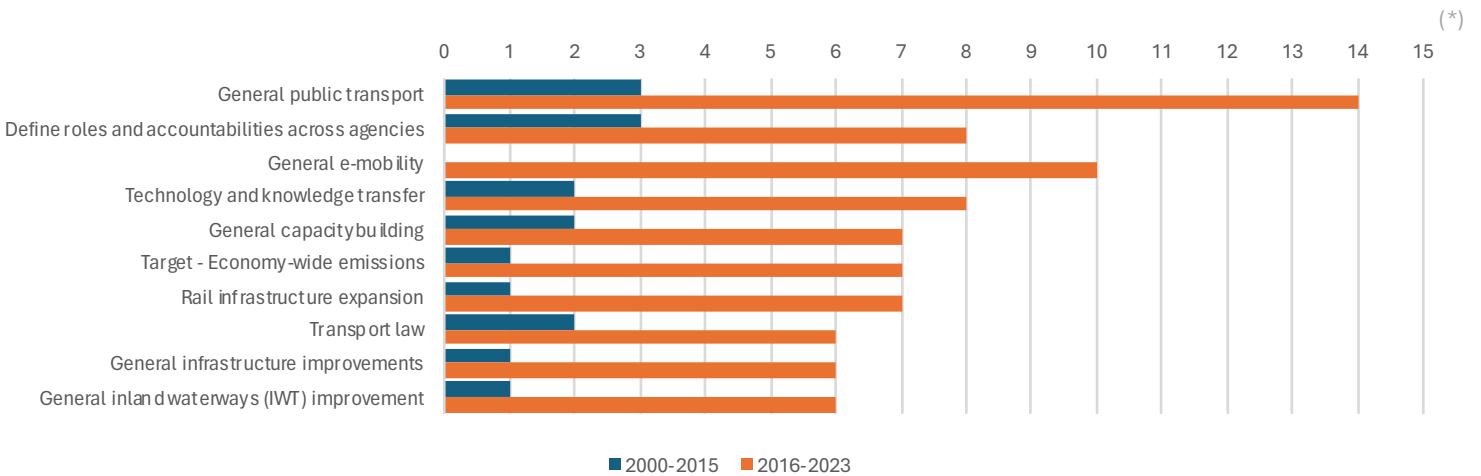
Number of climate change measures by subsectors



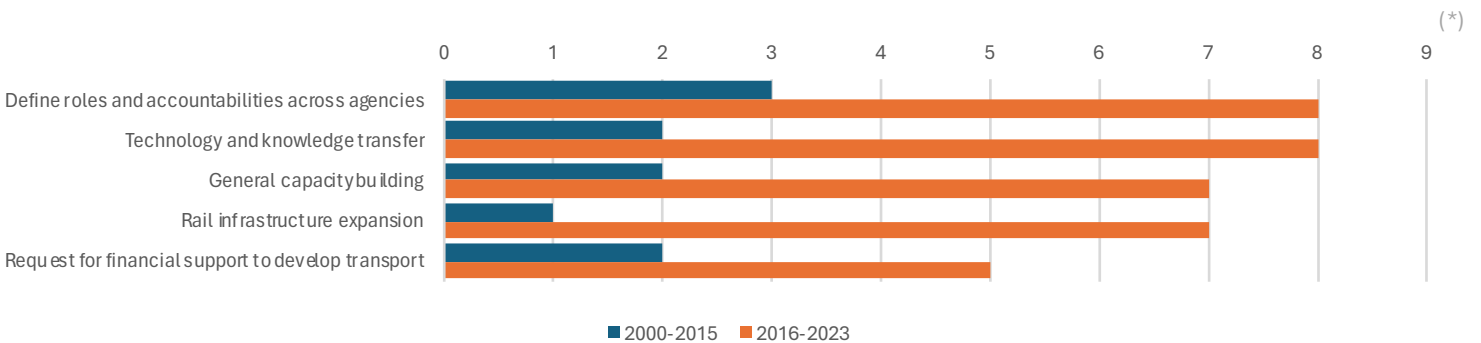
Transport-related climate change by framework



Climate change mitigation top 10 typology, number of measures



Climate change adaptation top 5 typology, number of measures



Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
Global Status Report on Road Safety 2018	2018	Automated enforcement of speed limits, Design standards for sidewalks and bicycle paths, National speed law, Speed limits on urban roads <= 30 kph, Speed limit on rural roads <= 70 kph, Speed limit on motorways <= 90 kph
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	General active mobility, Development of e-mobility transport plan/policy, Ban of ICE sales, EV charging infrastructure, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, Intermodality measures, General infrastructure improvements, Intelligent transport systems (ITS), General innovations and digitalization, Technical standards for general transport infrastructure, Biofuels, Bus fleet renewal, Public transit integration, General public transport, General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Road infrastructure expansion, Define roles and accountabilities across agencies, Stakeholder Involvement, Transport law, General education and behavior change, Vehicle efficiency standards
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	General active mobility, Development of e-mobility transport plan/policy, Ban of ICE sales, EV charging infrastructure, EV manufacturing, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, Intelligent transport systems (ITS), General innovations and digitalization, Technical standards for general transport infrastructure, Bus fleet renewal, Public transit integration, General public transport, Target - Net zero, carbon neutrality, and other long-term climate action, General parking measures, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Road infrastructure expansion, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, Stakeholder Involvement, Development of climate change/ low carbon plan/ policy, Transport law, General education and behavior change, Vehicle efficiency standards
Implementation of NDC for Transport in Viet Nam	2021	General e-mobility, Freight transport shifting to rail or inland waterways (IWT), Biofuels, LPG/ CNG/ LNG, BRT, General public transport, Vehicle efficiency standards, Vehicle manufacturing
Updated Nationally Determined Contribution - VNM	2020	Renewable energy, General e-mobility, General freight and logistics improvements, General infrastructure improvements, Biofuels, LPG/ CNG/ LNG, General public transport, Target - Economy-wide emissions, Development of transport plan/ policy, Vehicle efficiency standards
Viet Nam NDC 2022 Update	2022	Hydrogen, Renewable energy, General e-mobility, General infrastructure improvements, Biofuels, LPG/ CNG/ LNG, Target - Economy-wide emissions, Measures to increase car occupancy, Road infrastructure expansion, Development of transport plan/ policy
Decision 13/2015/QD-TTg on mechanisms and policies to encourage the development of public passenger transport by bus issued by the Prime Minister	2015	Budget/ identification of public transport projects, General public transport, Financial instruments to support decarbonisation, Vehicle taxes, Request for financial support to develop transport, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2021	Bus fleet renewal, General public transport, Target - Economy-wide emissions
59 UN Transport Agreements/ and Conventions Serviced by ECE	2021	Convention on Road Traffic 1949, Convention on Road Traffic 1968

Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
Road network planning for 2021-2030, vision to 2050	2021	General data repositories and data collection, General infrastructure improvements, Fuel quality, General innovations and digitalization, Technical standards for road infrastructure, General public transport, Target - Transport activity, Technologies on transport asset management, General transport asset management, Road charging and tolls, General transport finance, Investment volume for transport, Technology and knowledge transfer, General capacity building, Road infrastructure expansion, Coordinate planning across government agencies, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, Stakeholder Involvement, Development of road plan/ policy
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2020	Vehicle inspection and maintenance, Vehicle scrappage scheme, Technical standards for road infrastructure, General public transport, General transport asset management, Road charging and tolls, Traffic management, General transport demand management, General transport finance, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Reporting, transparency, feedback mechanism, Transport law, General education and behavior change, Vehicle air pollution emission standards
Circular 48/2022/TT-BGTVT guiding the energy labeling for electric and hybrid electric cars, motorcycles and motorcycles issued by the Minister of Transport	2022	Vehicle inspection and maintenance, Vehicle labelling, Define roles and accountabilities across agencies
Decision 1168/QĐ-TTg in 2014 approving the development strategy of Vietnam's automobile industry to 2025, with a vision to 2035 issued by the Prime Minister	2014	Vehicle taxes, Investment required for specific projects, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Transport law, Development of automotive plan/ policy, General vehicle improvements, Vehicle manufacturing
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	General freight and logistics improvements, Intermodality measures, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies
National Logistics Master Plan - VNM	2016	General data repositories and data collection, Development of logistics plan/policy, General freight and logistics improvements, General land use, General transport finance, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law
Transport Strategy 2020	2013	Renewable energy, General infrastructure improvements, Vehicle inspection and maintenance, Intelligent transport systems (ITS), Technical standards for road infrastructure, General alternative fuels, General public transport, General transport asset management, Number of vehicle registration limit, Traffic management, General transport demand management, Investment required for specific projects, Investment volume for transport, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, Training of enforcement authorities, General capacity building, Logistics hub, Road infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law, General education and behavior change, Vehicle air pollution emission standards, General vehicle improvements, Vehicle manufacturing, Local production, services, contracting etc.
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2020	Development of e-mobility transport plan/policy, Target - Economy-wide emissions

Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	General infrastructure improvements, Technical standards for general transport infrastructure, General public transport, Transport asset condition assessment, Technologies on transport asset management, General transport asset management, General transport demand management, Technology and knowledge transfer, Development of transport plan/ policy, Transport law, Road-side checks on overloading
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	EV charging infrastructure, EV manufacturing, Hydrogen, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General public transport, Target - Economy-wide emissions, Target - Net zero, carbon neutrality, and other long-term climate action, Road infrastructure expansion, Vehicle air pollution emission standards, Vehicle efficiency standards, General vehicle improvements
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	Freight transport shifting to rail or inland waterways (IWT), Vehicle inspection and maintenance, LPG/ CNG/ LNG, General public transport, Target - Economy-wide emissions, Fossil fuel subsidy elimination, General transport finance, Vehicle air pollution emission standards, Vehicle efficiency standards
RESOLUTION ON FIVE-YEAR SOCIO-ECONOMIC DEVELOPMENT PLAN DURING THE 2021 – 2025 PERIOD	2021	General infrastructure improvements
One Strategic Plan 2017-2021	2017	Request for financial support to develop transport
Railway network planning for 2021-2030, vision to 2050	2021	Resilient transport technologies
National standard TCVN 9054:2011 (ISO 8715:2001) on Electric road vehicles - Road performance characteristics	2011	Technical standards for general transport infrastructure
Circular 31/2009/TT-BGTVT stipulating national technical regulations on emission of new manufactured, assembled and imported automobiles issued by the Ministry of Transport	2009	Vehicle inspection and maintenance, Vehicle air pollution emission standards
National standard TCVN 6438:2018 on Road vehicles - Maximum allowable limit of emissions	2018	Vehicle air pollution emission standards
National technical regulation QCVN 109:2021/BGTVT on Level 5 Emissions for newly manufactured, assembled and imported cars	2021	Vehicle efficiency standards
Circular 29/2011/TT-BGTVT amending the Regulations on inspection of quality, technical safety and environmental protection for imported motorcycles and mopeds and imported engines used for the production and assembly of motorcycles and mopeds, enclosed wi	2011	Vehicle import inspections
Road Safety Opportunities and Challenges: Low- and Middle-Income Country Profiles	2020	Vehicle inspection and maintenance, Vehicle import inspections

Climate Change Mitigation Policy Measures - Road Transport

Policy document	Year	Measures
Circular 05/2020/TT-BGTVT amending Circular 03/2018/TT-BGTVT stipulating quality inspection of technical safety and environmental protection for imported cars (and motorcycles) subject to Decree 116/2017/ND-CP issued by the Minister of Transport	2020	Vehicle inspection and maintenance, Vehicle restrictions (import, age, access, sale, taxation)

Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2040	By 2040, phase out manufacture, assembly and import of automobiles, motorcycles and mopeds with fossil fuels for domestic use
Implementation of NDC for Transport in Viet Nam	2030	To step by step limit to stop the production, assembly and import of cars, motorcycles and mopeds using fossil fuel for domestic use . Shifting passenger transportation from private to public transport: BRT: 4 routes in 3 cities (13 routes in 5 cities - conditional)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2025	From 2025, use electricity and green energy for 100% new buses
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	>2025	100% of buses will replace and invest in new electricity and green energy.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	the percentage of buses using clean energy in special cities and grade - I cities will reach 100% and at least 40 %, respectively, of new investment buses
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	percentage of buses using clean energy in special urban centers is at least 15% of the total number of buses in operation and 10% of new buses in grade I cities

Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	100% of traffic participants are educated and disseminated with knowledge and law on traffic order and safety and skills in safe traffic.
		Form a culture of safe traffic and self-discipline of people joining in traffic; Most of urban residents form the habit of taking part in traffic by public transport, walking and cycling
		Adjust the classification of driving licenses for road motor vehicles in accordance with the 1968 Vienna Convention on road traffic and vehicle characteristics in Vietnam; train and grant driving licenses to motorbikes with a cylinder capacity of less than 50cm ³ or electric motorbikes with an engine capacity of less than 4kW.
		Continue to develop the application of modern technology in the management of training, driving test, and licensing
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2030	Open propaganda pages and columns on traffic safety and traffic culture, focusing on propagating and disseminating skills in accident prevention, vehicle control skills in safe traffic; consequences of road traffic accidents due to speeding, using drugs, alcohol, using mobile phones, not wearing a qualified helmet, not wearing a seat belt, not using seat for children in cars, especially the knowledge and skills of safe driving on highways. - Increase the time for propagating and guiding traffic safety on mass media, especially Vietnam Television, Voice of Vietnam, Local Radio and Television, the online radio channel system, social networks, digital media platforms.
		develop radio programs suitable to regional, religions, languages characteristics of many ethnic groups to communicate at grassroots
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation		By 2050, use electricity and green energy for 100% buses and taxis.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation		By 2050: use electricity and green energy for 100% heavy equipment involved in traffic, meet green criteria for bus stations and rest stops; transition to use electricity and green energy for all material handling equipment using fossil fuels.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2030	The rate of vehicles using electricity and green energy will reach at least 50%; 100% replacement taxi, new investment using electricity, green energy.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	100% of road motorized vehicles and construction motorbikes participating in traffic will be converted to use electricity and green energy . 100% of buses and taxis will use electricity and green energy.

Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
		Electric motorbikes: 7% of total sold vehicles
Implementation of NDC for Transport in Viet Nam	2030	Conditional - Electric vehicles: 14% of total vehicles sold Electric cars: increase target from 5% of total car sales in 2025 to 33% by 2030
National Logistics Master Plan - VNM	2030	Contribution of the logistics industry to GDP = 10 (Baseline = 5; 2020) Logistics Industry Growth Rate = 20-25 (Baseline = 15-20; 2020) Logistics Outsourcing Rate = 65 (Baseline = 40; 2020)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2030	Public transport coverage is expected to reach 45% - 50% in Hanoi; 25% in Ho Chi Minh City; 25% - 35% in Da Nang; 20% in Can Tho; 10% - 15% in Hai Phong; at least 5% in class-I urban areas.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	Public transport coverage is expected to reach at least 40% and 10% in special urban areas and class-I urban areas, in turn.
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2030	The rate of public passenger transport in Hanoi will reach 45% - 50%; Ho Chi Minh City reached 25% ; Da Nang reached 25% - 35%; Can Tho reached 20%; Hai Phong achieved 10% - 15%; at least 5% of urban areas of grade I.
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	The rate of public passenger transport in special urban centers and grade-I cities will reach at least 40% and 10%, respectively.
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	The share of public passenger transport in urban areas in particular especially, grade I urban centers will reach at least 20% and 5%, respectively;
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	the rate of public passenger transport in special urban centers and urban centers of grade I will reach at least 40% and 15%, respectively
Implementation of NDC for Transport in Viet Nam	2030	Shifting passenger transportation from private to public transport: Bus: develop in 05 (13 - conditional) central level cities
Implementation of NDC for Transport in Viet Nam	2030	Conditional: Ethanol: E5 accounts for 40% of total amount of gasoline sold; No supply restrictions
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	100% of car owners use the electronic toll collection account for multi-purpose payment for road traffic services and pay fines for violations
Road network planning for 2021-2030, vision to 2050	2030	The expressway network is planned to be 41 routes, with a total length of about 9,014 km The national highway network consists of 172 routes, with a total length of about 29,795 km

Climate Change Mitigation Targets - Road Transport

Policy document	Target year	Targets
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2030	By 2030, total greenhouse gas emission nationwide reduces by 43,5% compared to the business as usual (BAU) scenario.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	Target to 2030: The intensity of greenhouse gas emissions as a percentage of GDP to decrease by at least 15% compared to 2014.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	Target to 2050: The intensity of greenhouse gas emissions as a percentage of GDP will be reduced by at least 30% compared to 2014.
		With domestic resources, by 2030 Viet Nam will reduce GHG emissions by 8% compared to BAU, in which: - Emission intensity per unit of GDP will be reduced by 20% compared to the 2010 levels; - Forest cover will increase to the level of 45%.
Intended Nationally Determined Contribution of Viet Nam (2015)	2030	The above-mentioned 8% contribution could be increased to 25% if international support is received through bilateral and multilateral cooperation, as well as through the implementation of new mechanisms under the Global Climate Agreement, in which emission intensity per unit of GDP will be reduced by 30% compared to 2010 levels
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2030	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario by 15% by 2030
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2045	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario to 20% by 2045
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	Develop a green transport system towards the goal of net greenhouse gas emissions to "zero" by 2050 .
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2050	By 2050, total greenhouse emission nationwide achieves net zero emission; emission peaks in 2035 and reduces rapidly.
Road network planning for 2021-2030, vision to 2050	2030	In terms of transportation, the volume of goods transported reached about 2,764 million tons (62.80% of the market share); passengers reached about 9,430 million passengers (90.16% market share); volume of domestic goods circulation reached about 162.7 billion tons.km (30.48% market share); domestic passengers 283.6 billion passengers.km drifted about (72.83% market share).

Climate Change Mitigation Targets - Road Transport

Policy document

Target year

Targets

Policy document	Target year	Targets
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045		<p>ensuring 100% of roads that are newly built, upgraded, renovated and being exploited are inspected and assessed in accordance with road safety regulations</p> <p>Newly built, upgraded and renovated roads are considered to include dedicated lanes for motorcycles, motorbikes, bicycles and ensure safety for vulnerable traffic participants.</p> <p>100% of the provincial road system, 50 - 80% of the district road system is built and fully installed with works and equipment to ensure traffic safety</p> <p>build roadside stations to serve the essential needs of drivers, passengers and vehicles along highways, national highways and provincial highways, ensuring drivers do not have to drive over 04 hours to have a break as regulated.</p> <p>a) Review, adjust and supplement technical standards and regulations on roads and traffic infrastructure works in the direction of approaching and applying modern technologies in traffic organization; develop and issue friendly road design technical manuals.</p>
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	<p>100% of highways, arterial national highways and routes has smart traffic management and operation systems (capable of detecting violations, non-stop electronic toll fee collection, flexible electronic road signs); putting in place smart urban traffic management and operation centers in centrally-run cities and localities in need</p> <p>+ In 2035, the total vehicle production will reach ~ 1,531,400 units, of which: cars with 9 seats ~ 852,600 units, from 10 seats or more ~ 84,400 units, trucks - 587,900 units, and specialized vehicles - 6,500 units.</p> <p>+ In 2035, domestically manufactured and assembled vehicles will account for ~ 78%, of which: cars with 9 seats will reach ~ 75%, from 10 seats or more will reach ~ 94%, trucks reach ~ 82%, and specialized vehicles reach ~ ~ 23%</p>
Decision 1168/QĐ-TTg in 2014 approving the development strategy of Vietnam's automobile industry to 2025, with a vision to 2035 issued by the Prime Minister	2035	<p>In the period 2026 - 2035, continue to develop supporting industries for automobile production, striving to become an important supplier of a variety of components and spare parts for the regional and global auto industry. Meeting over 65% (by value) demand for components and spare parts for domestic automobile production and assembly.</p> <p>by 2035, cars with 9 seats will reach 55-60%, from 10 seats or more will reach 75-80%, trucks will reach 70-75%, and specialized vehicles will reach 60-70%.</p> <p>+ In 2035, the total number of exported vehicles will reach ~ 90,000 units, of which: cars with 9 seats ~ 50,000 units, from 10 seats or more ~ 15,000 units, trucks ~ 25,000 units. The export value of components and spare parts reached ~\$10 billion.</p>

Climate Change Mitigation Targets - Road Transport

Policy document

Target year

Targets

Decision 1168/QĐ-TTg in 2014 approving the development strategy of Vietnam's automobile industry to 2025, with a vision to 2035 issued by the Prime Minister

2025

+ By 2025, the total vehicle production will reach ~ 466,400 units, of which: 9-seat cars ~ 237,900 units, 10 or more seats ~ 29,100 units, trucks - 197,000 units, and specialized vehicles ~ 2,400 units.

+ In 2025, domestically manufactured and assembled vehicles will account for ~70%, of which: cars with 9 seats will reach ~ 65%, from 10 seats or more will reach ~ 92%, trucks reach ~ 78%, and specialized vehicles reach ~ 18%.

In the period of 2021 - 2025, starting to produce a number of important components in transmissions, gearboxes, engines (especially for passenger cars and light trucks), gradually participating in the product supply system support in the global value chain of the world automotive industry.

by 2025, vehicles with 9 seats will reach 40-45%, from 10 seats or more will reach 50-60%, trucks will reach 45-55%, special-use vehicles will reach 40-45%;

+ In 2025, the total number of exported vehicles will reach ~ 37,000 units, of which: cars with 9 seats ~ 15,000 units, from 10 seats or more ~ 7,000 units, trucks ~ 15,000 units. The export value of components and spare parts reached ~ USD 5 billion.

Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045

2030

Eliminate 100% of motor vehicles past their expiry date, homemade three or four wheeled vehicles are not allowed to join traffic; periodic emission control for motorcycles, motorbikes with gasoline engine participating in traffic.

Climate Change Mitigation Policy Measures - Rail Transport

Policy document	Year	Measures
Updated Nationally Determined Contribution - VNM	2020	Renewable energy, General e-mobility, General freight and logistics improvements, General infrastructure improvements, Biofuels, LPG/ CNG/ LNG, General public transport, Target - Economy-wide emissions, Development of transport plan/ policy
Railway network planning for 2021-2030, vision to 2050	2021	General rail improvement, Technical standards for rail infrastructure, Transit-oriented development (TOD), Urban passenger rail infrastructure improvement, High-speed rail (HSR), Target - Transport activity, Technologies on transport asset management, Transport infrastructure resilience, General transport asset management, General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Logistics hub, Rail infrastructure expansion, Coordinate planning across government agencies, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Stakeholder Involvement, Development of rail plan/ policy, Transport law
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	Development of e-mobility transport plan/policy, Railway electrification, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, Intermodality measures, General rail improvement, General inland waterways (IWT) improvement, Intelligent transport systems (ITS), High-speed rail (HSR), General public transport, General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Transport law
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	Railway electrification, General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, General rail improvement, Intelligent transport systems (ITS), General innovations and digitalization, Technical standards for general transport infrastructure, Public transit integration, Urban passenger rail infrastructure improvement, High-speed rail (HSR), General public transport, Target - Net zero, carbon neutrality, and other long-term climate action, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, Development of climate change/ low carbon plan/ policy, Transport law, General education and behavior change
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	General freight and logistics improvements, Intermodality measures, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies
National Logistics Master Plan - VNM	2016	General data repositories and data collection, Development of logistics plan/policy, General freight and logistics improvements, General land use, General transport finance, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Freight rail infrastructure improvement, Logistics hub, Rail infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law
Transport Strategy 2020	2013	Renewable energy, General rail improvement, Urban passenger rail infrastructure improvement, High-speed rail (HSR), General public transport, Investment required for specific projects, Investment volume for transport, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Logistics hub, Rail infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, General education and behavior change

Climate Change Mitigation Policy Measures - Rail Transport

Policy document	Year	Measures
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	General infrastructure improvements, Technical standards for general transport infrastructure, General public transport, Transport asset condition assessment, Technologies on transport asset management, Technology and knowledge transfer, Development of transport plan/ policy, Transport law
Viet Nam NDC 2022 Update	2022	Hydrogen, General infrastructure improvements, Target - Economy-wide emissions, Development of transport plan/ policy
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	EV charging infrastructure, Hydrogen, Freight transport shifting to rail or inland waterways (IWT), General rail improvement, Urban passenger rail infrastructure improvement, General public transport, Target - Economy-wide emissions, Target - Net zero, carbon neutrality, and other long-term climate action, Rail infrastructure expansion, General vehicle improvements
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	Freight transport shifting to rail or inland waterways (IWT), General public transport, Target - Economy-wide emissions, Fossil fuel subsidy elimination, General transport finance
Implementation of NDC for Transport in Viet Nam	2021	Freight transport shifting to rail or inland waterways (IWT), Urban passenger rail infrastructure improvement, General public transport
RESOLUTION ON FIVE-YEAR SOCIO-ECONOMIC DEVELOPMENT PLAN DURING THE 2021 – 2025 PERIOD	2021	General infrastructure improvements
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2021	General public transport, Target - Economy-wide emissions
One Strategic Plan 2017-2021	2017	Request for financial support to develop transport
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2020	Target - Economy-wide emissions

Climate Change Mitigation Targets - Rail Transport

Policy document	Target year	Targets
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2030	achieve at least 50% vehicles using electricity and green energy; use electricity and green energy for 100% new taxis.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	By 2050, use electricity and green energy for 100% buses and taxis. By 2050: use electricity and green energy for 100% heavy equipment involved in traffic, meet green criteria for bus stations and rest stops; transition to use electricity and green energy for all material handling equipment using fossil fuels. Contribution of the logistics industry to GDP = 10 (Baseline = 5; 2020)
National Logistics Master Plan - VNM	2030	Logistics Industry Growth Rate = 20-25 (Baseline = 15-20; 2020) Logistics Outsourcing Rate = 65 (Baseline = 40; 2020)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2030	Public transport coverage is expected to reach 45% - 50% in Hanoi; 25% in Ho Chi Minh City; 25% - 35% in Da Nang; 20% in Can Tho; 10% - 15% in Hai Phong; at least 5% in class-I urban areas.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	Public transport coverage is expected to reach at least 40% and 10% in special urban areas and class-I urban areas, in turn.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2030	The rate of public passenger transport in Hanoi will reach 45% - 50%; Ho Chi Minh City reached 25% ; Da Nang reached 25% - 35%; Can Tho reached 20%; Hai Phong achieved 10% - 15%; at least 5% of urban areas of grade I.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	The rate of public passenger transport in special urban centers and grade-I cities will reach at least 40% and 10%, respectively.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	The share of public passenger transport in urban areas in particular especially, grade I urban centers will reach at least 20% and 5%, respectively;
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	the rate of public passenger transport in special urban centers and urban centers of grade I will reach at least 40% and 15%, respectively
Implementation of NDC for Transport in Viet Nam	2030	Shifting passenger transportation from private to public transport: Bus: develop in 05 (13 - conditional) central level cities
Railway network planning for 2021-2030, vision to 2050	2030	North - South high-speed railway from Ngoc Hoi station to Thu Thiem station: double track, 1,435mm gauge, about 1,545 km in length.
Railway network planning for 2021-2030, vision to 2050	2030	Planning for 09 new railway lines, total length of 2,362 km by 2030

Climate Change Mitigation Targets - Rail Transport

Policy document	Target year	Targets
		The national railway network is planned to include 25 lines with a length of 6,354 km by 2050
Railway network planning for 2021-2030, vision to 2050	2050	Connecting Noi Bai international airport via two urban railway lines in Hanoi city (line 2 and line 6); connecting Long Thanh international airport via the North - South high-speed railway and the Thu Thiem - Long Thanh railway; connecting Tan Son Nhat international airport via urban railway (extended line 4b and line 2).
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2040	By 2040, partly stop manufacture, assembly and import of railway vehicles and equipment using fossil fuels.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	By 2050: use electricity and green energy for 100% rolling stocks; transition to electricity and green energy for 100% equipment using fossil fuels at stations. By 2050, transition to electricity and green energy for 100% inland railway vehicles using fossil fuels
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2040	to partially stop the production, assembly and import of railway vehicles and equipment using fossil fuels. Gradually invest in new and convert railway vehicles using fossil fuels to using electricity and green energy.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	To convert 100% of railway locomotives and wagons using electricity and green energy; converting 100% of equipment using fossil fuels to using electricity and green energy at stations.
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2030	By 2030, total greenhouse gas emission nationwide reduces by 43,5% compared to the business as usual (BAU) scenario.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	Target to 2030: The intensity of greenhouse gas emissions as a percentage of GDP to decrease by at least 15% compared to 2014.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	Target to 2050: The intensity of greenhouse gas emissions as a percentage of GDP will be reduced by at least 30% compared to 2014.
		With domestic resources, by 2030 Viet Nam will reduce GHG emissions by 8% compared to BAU, in which: - Emission intensity per unit of GDP will be reduced by 20% compared to the 2010 levels; - Forest cover will increase to the level of 45%.
Intended Nationally Determined Contribution of Viet Nam (2015)	2030	The above-mentioned 8% contribution could be increased to 25% if international support is received through bilateral and multilateral cooperation, as well as through the implementation of new mechanisms under the Global Climate Agreement, in which emission intensity per unit of GDP will be reduced by 30% compared to 2010 levels
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2030	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario by 15% by 2030
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2045	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario to 20% by 2045

Climate Change Mitigation Targets - Rail Transport

Policy document	Target year	Targets
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	Develop a green transport system towards the goal of net greenhouse gas emissions to "zero" by 2050 .
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2050	By 2050, total greenhouse emission nationwide achieves net zero emission; emission peaks in 2035 and reduces rapidly.
Railway network planning for 2021-2030, vision to 2050	2030	Transport: Cargo volume reached 11.8 million tons, accounting for about 0.27% market share; passenger transport volume reached 460 million passengers, accounting for about 4.40% of the market share (of which the national railway was 21.5 million passengers, accounting for a market share of about 1.87%). Cargo volume reached 7.35 billion tons.km, accounting for about 1.38% market share; passengers 13.8 billion passengers.km, accounting for a market share of about 3.55% (of which the national railway is 8.54 billion passengers.km, accounting for a market share of about 2.22%).
Implementation of NDC for Transport in Viet Nam	2030	Shifting passenger transportation from private to public transport:Urban railway: 3 routes in 2 cities

Climate Change Mitigation Policy Measures - Domestic Navigation

Policy document	Year	Measures
Updated Nationally Determined Contribution - VNM	2020	Renewable energy, General e-mobility, General freight and logistics improvements, General infrastructure improvements, Biofuels, LPG/ CNG/ LNG, Target - Economy-wide emissions, Development of transport plan/ policy
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	General e-mobility, Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, General inland waterways (IWT) improvement, Intelligent transport systems (ITS), General innovations and digitalization, Technical standards for general transport infrastructure, Development of shipping/ maritime/ inland water transport (IWT) plan/ policy, Port electrification, Ship efficiency improvements, General shipping improvement, Target - Net zero, carbon neutrality, and other long-term climate action, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Bunkering infrastructure for alternative fuels, Port infrastructure improvements, Define roles and accountabilities across agencies, Development of climate change/ low carbon plan/ policy, Transport law, General education and behavior change
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	Freight transport shifting to rail or inland waterways (IWT), General freight and logistics improvements, Intermodality measures, General inland waterways (IWT) improvement, Intelligent transport systems (ITS), Technical standards for general transport infrastructure, General public transport, Development of shipping/ maritime/ inland water transport (IWT) plan/ policy, Port electrification, Ship efficiency improvements, General shipping improvement, General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Transport law
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	General freight and logistics improvements, Intermodality measures, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies
National Logistics Master Plan - VNM	2016	General data repositories and data collection, Development of logistics plan/policy, General freight and logistics improvements, General inland waterways (IWT) improvement, General land use, General transport finance, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Logistics hub, Port infrastructure improvements, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law
Transport Strategy 2020	2013	Renewable energy, General inland waterways (IWT) improvement, General shipping improvement, Investment required for specific projects, Investment volume for transport, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Logistics hub, Port infrastructure improvements, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, General education and behavior change
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	General infrastructure improvements, Transport asset condition assessment, Technologies on transport asset management, Technology and knowledge transfer, Development of transport plan/ policy
Viet Nam NDC 2022 Update	2022	Hydrogen, General infrastructure improvements, Target - Economy-wide emissions, Development of transport plan/ policy
Decision 896 QĐ TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	EV charging infrastructure, Hydrogen, Freight transport shifting to rail or inland waterways (IWT), Target - Economy-wide emissions, Target - Net zero, carbon neutrality, and other long-term climate action, General vehicle improvements
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	Freight transport shifting to rail or inland waterways (IWT), Target - Economy-wide emissions, Fossil fuel subsidy elimination, General transport finance
Implementation of NDC for Transport in Viet Nam	2021	Freight transport shifting to rail or inland waterways (IWT)

Climate Change Mitigation Policy Measures - Domestic Navigation

Policy document	Year	Measures
RESOLUTION ON FIVE-YEAR SOCIO-ECONOMIC DEVELOPMENT PLAN DURING THE 2021 – 2025 PERIOD	2021	General infrastructure improvements
One Strategic Plan 2017-2021	2017	Request for financial support to develop transport
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2021	Target - Economy-wide emissions
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2020	Target - Economy-wide emissions

Climate Change Mitigation Targets - Domestic Navigation

Policy document	Target year	Targets
		Contribution of the logistics industry to GDP = 10 (Baseline = 5; 2020)
National Logistics Master Plan - VNM	2030	Logistics Industry Growth Rate = 20-25 (Baseline = 15-20; 2020) Logistics Outsourcing Rate = 65 (Baseline = 40; 2020)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2040	By 2040, use electricity and green energy for 100% new inland waterway vehicles. Apply criteria for green ports for 100% inland waterway ports; encourage inland ports and wharves that are operating in applying criteria for green ports.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	100% of vehicles using fossil fuels will be converted to electricity and green energy. 100% of equipment at ports and inland waterways will be converted to electricity and green energy.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2040	100% of newly built inland waterway vessels use electricity and green energy. 100% of newly built inland waterway ports apply green port criteria; encourage inland ports and wharves that are operating to switch to apply green port criteria .
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	Public transport coverage is expected to reach at least 40% and 10% in special urban areas and class-I urban areas, in turn.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2035	Use electricity and green energy for ships which are built, converted and imported after 2035
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	convert to use electricity and green energy for 100% ships which are operating inland from 2050 Use electricity and green energy for all vehicles and equipment in ports and aids to navigation or have equivalent measures for transition from 2050.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	>2031	Invest in vehicles and equipment using electricity and green energy or have equivalent measures for transition in new and additionally invested ports from 2031.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2035	New, converted or imported marine ships that use electricity and green energy after 2035;
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2050	From 2050, 100% of ships operating on domestic routes will switch to using electricity and green energy.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2040	Make transition to electricity and green energy for vehicles and equipment in existing ports and aids to navigation or have equivalent measures for transition from 2040.

Climate Change Mitigation Targets - Domestic Navigation

Policy document	Target year	Targets
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	Use electricity and green energy for all vehicles and equipment in ports and aids to navigation or have equivalent measures for transition from 2050.
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	>2031	Transition to electricity and green energy for 100% equipment used in inland ports and wharves. Invest in vehicles and equipment using electricity and green energy or have equivalent measures for transition in new and additionally invested ports from 2031.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2050	All means and equipment at ports, marine signaling devices use electricity, green energy or take equivalent measures.
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2030	By 2030, total greenhouse gas emission nationwide reduces by 43,5% compared to the business as usual (BAU) scenario.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	Target to 2030: The intensity of greenhouse gas emissions as a percentage of GDP to decrease by at least 15% compared to 2014.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	Target to 2050: The intensity of greenhouse gas emissions as a percentage of GDP will be reduced by at least 30% compared to 2014. With domestic resources, by 2030 Viet Nam will reduce GHG emissions by 8% compared to BAU, in which: - Emission intensity per unit of GDP will be reduced by 20% compared to the 2010 levels; - Forest cover will increase to the level of 45%.
Intended Nationally Determined Contribution of Viet Nam (2015)	2030	The above-mentioned 8% contribution could be increased to 25% if international support is received through bilateral and multilateral cooperation, as well as through the implementation of new mechanisms under the Global Climate Agreement, in which emission intensity per unit of GDP will be reduced by 30% compared to 2010 levels
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2030	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario by 15% by 2030
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2045	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario to 20% by 2045
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	Develop a green transport system towards the goal of net greenhouse gas emissions to "zero" by 2050 .
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2050	By 2050, total greenhouse emission nationwide achieves net zero emission; emission peaks in 2035 and reduces rapidly.

Climate Change Mitigation Policy Measures - Domestic Aviation

Policy document	Year	Measures
Transport Strategy 2020	2013	Air traffic management, General aviation improvements, Renewable energy, Investment required for specific projects, Investment volume for transport, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, General education and behavior change
Implementation of NDC for Transport in Viet Nam	2021	Biofuels
Updated Nationally Determined Contribution - VNM	2020	Renewable energy, General e-mobility, General freight and logistics improvements, General infrastructure improvements, Biofuels, LPG/ CNG/ LNG, Target - Economy-wide emissions, Development of transport plan/ policy
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	Development of aviation plan/policy, Jet fuel policies, General aviation improvements, General data repositories and data collection, General freight and logistics improvements, Intermodality measures, Intelligent transport systems (ITS), General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Transport law
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	Development of aviation plan/policy, Jet fuel policies, General aviation improvements, General data repositories and data collection, General e-mobility, General freight and logistics improvements, Intelligent transport systems (ITS), General innovations and digitalization, Technical standards for general transport infrastructure, Target - Net zero, carbon neutrality, and other long-term climate action, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Development of climate change/ low carbon plan/ policy, Transport law, General education and behavior change
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	General freight and logistics improvements, Intermodality measures, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies
National Logistics Master Plan - VNM	2016	General aviation improvements, General data repositories and data collection, Development of logistics plan/policy, General freight and logistics improvements, General land use, General transport finance, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Logistics hub, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	General infrastructure improvements, Transport asset condition assessment, Technologies on transport asset management, Technology and knowledge transfer, Development of transport plan/ policy
Viet Nam NDC 2022 Update	2022	Hydrogen, General infrastructure improvements, Target - Economy-wide emissions, Development of transport plan/ policy
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	EV charging infrastructure, Hydrogen, Target - Economy-wide emissions, Target - Net zero, carbon neutrality, and other long-term climate action, General vehicle improvements
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	Target - Economy-wide emissions, Fossil fuel subsidy elimination, General transport finance
RESOLUTION ON FIVE-YEAR SOCIO-ECONOMIC DEVELOPMENT PLAN DURING THE 2021 – 2025 PERIOD	2021	General infrastructure improvements
One Strategic Plan 2017-2021	2017	Request for financial support to develop transport
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2021	Target - Economy-wide emissions

Climate Change Mitigation Policy Measures - Domestic Aviation

Policy document	Year	Measures
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2020	Target - Economy-wide emissions

Climate Change Mitigation Targets - Domestic Aviation

Policy document	Target year	Targets
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2040	From 2040: All vehicles operating in the airfield use electricity and green energy (except for specific vehicles that have not yet used electric energy). Contribution of the logistics industry to GDP = 10 (Baseline = 5; 2020)
National Logistics Master Plan - VNM	2030	Logistics Industry Growth Rate = 20-25 (Baseline = 15-20; 2020) Logistics Outsourcing Rate = 65 (Baseline = 40; 2020)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2035	From 2035, use at least 10% sustainable fuel for some short-distance flights; use electricity and green energy for 100% of new passenger vehicles and other vehicles in airports.R74
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	From 2050, transition to 100% green energy and sustainable aviation fuels for aircrafts to minimize GHG emissions. Net zero shall be achieved by carbon offset depending on available technology and remaining emissions.
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2035	From 2035: Use at least 10% of sustainable fuel for some short flights; 100% of passenger vehicles and other vehicles in the airport are newly invested in using electricity and green energy
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	>2050	From 2050: Switch to using 100% green energy, sustainable aviation fuel for aircraft to minimize greenhouse gas emissions. Depending on the technological conditions, the remaining emissions are realized by carbon offsetting to achieve zero net emissions .
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2030	By 2030, total greenhouse gas emission nationwide reduces by 43,5% compared to the business as usual (BAU) scenario.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	Target to 2030: The intensity of greenhouse gas emissions as a percentage of GDP to decrease by at least 15% compared to 2014.
Decision No. 1658/QD-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	Target to 2050: The intensity of greenhouse gas emissions as a percentage of GDP will be reduced by at least 30% compared to 2014. With domestic resources, by 2030 Viet Nam will reduce GHG emissions by 8% compared to BAU, in which: - Emission intensity per unit of GDP will be reduced by 20% compared to the 2010 levels; - Forest cover will increase to the level of 45%.
Intended Nationally Determined Contribution of Viet Nam (2015)	2030	The above-mentioned 8% contribution could be increased to 25% if international support is received through bilateral and multilateral cooperation, as well as through the implementation of new mechanisms under the Global Climate Agreement, in which emission intensity per unit of GDP will be reduced by 30% compared to 2010 levels
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2030	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario by 15% by 2030
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2045	Reduce greenhouse gas emissions from energy activities compared to the normal development scenario to 20% by 2045

Climate Change Mitigation Targets - Domestic Aviation

Policy document	Target year	Targets
Decision 876/QD-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	Develop a green transport system towards the goal of net greenhouse gas emissions to "zero" by 2050 .
Decision 896 QD TTg 2022 Approving the National Strategy-for Climate Change until 2050	2050	By 2050, total greenhouse emission nationwide achieves net zero emission; emission peaks in 2035 and reduces rapidly.

Climate Change Mitigation Policy Measures - Urban Transport

Policy document	Year	Measures
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2021	Bus fleet renewal, General public transport
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	EV charging infrastructure, General public transport, Define roles and accountabilities across agencies
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2020	Technical standards for road infrastructure, General transport asset management, Traffic management, General transport demand management, Technology and knowledge transfer, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, General education and behavior change
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	General e-mobility, Urban passenger rail infrastructure improvement, General public transport, General parking measures, Rail infrastructure expansion, Define roles and accountabilities across agencies
Railway network planning for 2021-2030, vision to 2050	2021	Transit-oriented development (TOD), Urban passenger rail infrastructure improvement, General capacity building, Logistics hub, Rail infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law
Road network planning for 2021-2030, vision to 2050	2021	General infrastructure improvements, Fuel quality, Investment volume for transport, Road infrastructure expansion, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities
National Logistics Master Plan - VNM	2016	General freight and logistics improvements
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	General infrastructure improvements, Technical standards for general transport infrastructure, General public transport, General transport asset management, General transport demand management
Decision 13/2015/QĐ-TTg on mechanisms and policies to encourage the development of public passenger transport by bus issued by the Prime Minister	2015	General public transport
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	General public transport
Transport Strategy 2020	2013	Intelligent transport systems (ITS), Urban passenger rail infrastructure improvement, General public transport, Number of vehicle registration limit, Traffic management, General transport demand management, Road infrastructure expansion, Rail infrastructure expansion, General transport institutional reform
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	Logistics hub
Implementation of NDC for Transport in Viet Nam	2021	LPG/ CNG/ LNG, Urban passenger rail infrastructure improvement
Global Status Report on Road Safety 2018	2018	Speed limits on urban roads <= 30 kph
Decision 896 QĐ TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	Urban passenger rail infrastructure improvement

Climate Change Mitigation Targets - Urban Transport

Policy document	Target year	Targets
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	<p>percentage of buses using clean energy in special urban centers is at least 15% of the total number of buses in operation and 10% of new buses in grade I cities</p> <p>100% of traffic participants are educated and disseminated with knowledge and law on traffic order and safety and skills in safe traffic.</p> <p>Form a culture of safe traffic and self-discipline of people joining in traffic; Most of urban residents form the habit of taking part in traffic by public transport, walking and cycling</p> <p>Adjust the classification of driving licenses for road motor vehicles in accordance with the 1968 Vienna Convention on road traffic and vehicle characteristics in Vietnam; train and grant driving licenses to motorbikes with a cylinder capacity of less than 50cm³ or electric motorbikes with an engine capacity of less than 4kW.</p> <p>Continue to develop the application of modern technology in the management of training, driving test, and licensing</p>
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	<p>Open propaganda pages and columns on traffic safety and traffic culture, focusing on propagating and disseminating skills in accident prevention, vehicle control skills in safe traffic;</p> <p>consequences of road traffic accidents due to speeding, using drugs, alcohol, using mobile phones,</p> <p>not wearing a qualified helmet, not wearing a seat belt, not using seat for children in cars, especially</p> <p>the knowledge and skills of safe driving on highways.</p> <p>- Increase the time for propagating and guiding traffic safety on mass media, especially Vietnam Television, Voice of Vietnam, Local Radio and Television, the online radio channel system, social networks, digital media platforms.</p> <p>develop radio programs suitable to regional, religions, languages characteristics of many ethnic groups to communicate at grassroots</p>
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2030	<p>Public transport coverage is expected to reach 45% - 50% in Hanoi; 25% in Ho Chi Minh City; 25% - 35% in Da Nang; 20% in Can Tho; 10% - 15% in Hai Phong; at least 5% in class-I urban areas.</p>
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2050	<p>Public transport coverage is expected to reach at least 40% and 10% in special urban areas and class-I urban areas, in turn.</p>
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2030	<p>The rate of public passenger transport in Hanoi will reach 45% - 50%; Ho Chi Minh City reached 25% ; Da Nang reached 25% - 35%; Can Tho reached 20%; Hai Phong achieved 10% - 15%; at least 5% of urban areas of grade I.</p>
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2050	<p>The rate of public passenger transport in special urban centers and grade-I cities will reach at least 40% and 10%, respectively.</p>

Climate Change Mitigation Targets - Urban Transport

Policy document	Target year	Targets
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2030	The share of public passenger transport in urban areas in particular especially, grade I urban centers will reach at least 20% and 5%, respectively;
Decision No. 1658/QĐ-TTg (National Green Growth for 2021-2030 period, with a vision by 2050)	2050	the rate of public passenger transport in special urban centers and urban centers of grade I will reach at least 40% and 15 %, respectively
Implementation of NDC for Transport in Viet Nam	2030	Conditional: Ethanol: E5 accounts for 40% of total amount of gasoline sold; No supply restrictions
Railway network planning for 2021-2030, vision to 2050	2030	Planning for 09 new railway lines, total length of 2,362 km by 2030 The national railway network is planned to include 25 lines with a length of 6,354 km by 2050
Railway network planning for 2021-2030, vision to 2050	2050	Connecting Noi Bai international airport via two urban railway lines in Hanoi city (line 2 and line 6); connecting Long Thanh international airport via the North - South high-speed railway and the Thu Thiem - Long Thanh railway; connecting Tan Son Nhat international airport via urban railway (extended line 4b and line 2).
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	ensuring 100% of roads that are newly built, upgraded, renovated and being exploited are inspected and assessed in accordance with road safety regulations Newly built, upgraded and renovated roads are considered to include dedicated lanes for motorcycles, motorbikes, bicycles and ensure safety for vulnerable traffic participants. 100% of the provincial road system, 50 - 80% of the district road system is built and fully installed with works and equipment to ensure traffic safety build roadside stations to serve the essential needs of drivers, passengers and vehicles along highways, national highways and provincial highways, ensuring drivers do not have to drive over 04 hours to have a break as regulated. a) Review, adjust and supplement technical standards and regulations on roads and traffic infrastructure works in the direction of approaching and applying modern technologies in traffic organization; develop and issue friendly road design technical manuals.
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2030	100% of highways, arterial national highways and routes has smart traffic management and operation systems (capable of detecting violations, non-stop electronic toll fee collection, flexible electronic road signs); putting in place smart urban traffic management and operation centers in centrally-run cities and localities in need
Implementation of NDC for Transport in Viet Nam	2030	Shifting passenger transportation from private to public transport: Urban railway: 3 routes in 2 cities

Climate Change Adaptation Policy Measures

Policy document	Year	Measures
Railway network planning for 2021-2030, vision to 2050	2021	Resilient transport technologies , Technologies on transport asset management, Transport infrastructure resilience, General transport asset management, General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Coordinate planning across government agencies, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Stakeholder Involvement, Development of rail plan/ policy, Adaptation transport laws, regulations and programmes, Transport law (Sub-sectors: Road transport, Rail transport, Urban transport)
NATIONAL ACTION PLAN FOR THE IMPLEMENTATION OF THE 2030 SUSTAINABLE DEVELOPMENT AGENDA	2017	Climate-resilient design standards, Transport asset condition assessment, Technologies on transport asset management, General transport asset management, Technology and knowledge transfer, Development of transport plan/ policy, Transport law, General adaptation measures (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation, Urban transport)
National plan to adapt to climate change for the period of 2021-2030, with a vision to 2050	2020	Climate-resilient design standards, Transport infrastructure resilience, Development of transport adaptation/ emergency/ disaster plan/ policy (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Road network planning for 2021-2030, vision to 2050	2021	General data repositories and data collection, Climate-resilient design standards, Technologies on transport asset management, General transport asset management, General transport finance, Investment volume for transport, Technology and knowledge transfer, General capacity building, Coordinate planning across government agencies, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, Stakeholder Involvement, Development of road plan/ policy, General adaptation measures (Sub-sectors: Road transport, Urban transport)
Approving the Action Program for Transition to Green Energy and Mitigation of Carbon Dioxide and Methane Emissions from Transportation	2022	General transport finance, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Stakeholder Involvement (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation, Urban transport)
Approving the National Strategy for ensuring road traffic order and safety for the period 2021-2030 and a vision to 2045	2020	General transport asset management, General transport finance, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Reporting, transparency, feedback mechanism (Sub-sectors: Road transport, Urban transport)
Circular 48/2022/TT-BGTVT guiding the energy labeling for electric and hybrid electric cars, motorcycles and motorcycles issued by the Minister of Transport	2022	Define roles and accountabilities across agencies (Sub-sectors: Road transport)
Decision 1168/QĐ-TTg in 2014 approving the development strategy of Vietnam's automobile industry to 2025, with a vision to 2035 issued by the Prime Minister	2014	Investment required for specific projects, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies, Transport law, Development of automotive plan/ policy, General vehicle improvements (Sub-sectors: Road transport)
Decision 13/2015/QĐ-TTg on mechanisms and policies to encourage the development of public passenger transport by bus issued by the Prime Minister	2015	Request for financial support to develop transport, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities (Sub-sectors: Road transport)

Climate Change Adaptation Policy Measures

Policy document	Year	Measures
Decision 876/QĐ-TTg in 2022 approving the Action Program on green energy transformation, reducing carbon and methane emissions of the transport sector issued by the Prime Minister	2022	Intelligent transport systems (ITS), General innovations and digitalization, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Define roles and accountabilities across agencies, Involvement of subnational government for transport activities, Stakeholder Involvement (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation, Urban transport)
Master Strategy for Vietnam's Service Sector Development in the 2021-2030 period, with a vision to the year 2050	2021	Technology and knowledge transfer, General capacity building, Define roles and accountabilities across agencies (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
National Logistics Master Plan - VNM	2016	General data repositories and data collection, General transport finance, Reference to finance mechanisms within country, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Transport Strategy 2020	2013	General transport asset management, Investment required for specific projects, Investment volume for transport, Reference to finance mechanisms within country, Request for financial support to develop transport, Technology and knowledge transfer, General capacity building, Rail infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform, Involvement of subnational government for transport activities, Transport law, General vehicle improvements (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation, Urban transport)
Vietnam National Energy Development Strategy to 2020 with an Outlook to 2050	2020	Development of e-mobility transport plan/policy (Sub-sectors: Road transport)
Updated Nationally Determined Contribution - VNM	2020	Development of transport plan/ policy (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Viet Nam NDC 2022 Update	2022	Development of transport plan/ policy, Transport services adaptation (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Intended Nationally Determined Contribution of Viet Nam (2015)	2015	General transport finance (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
Decision 896 QĐ TTg 2022 Approving the National Strategy-for Climate Change until 2050	2022	Rail infrastructure expansion, General vehicle improvements (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)
One Strategic Plan 2017-2021	2017	Request for financial support to develop transport (Sub-sectors: Road transport, Rail transport, Domestic Navigation, Domestic Aviation)

Climate Change Adaptation Targets

Policy document	Target year	Targets
Railway network planning for 2021-2030, vision to 2050	2030	Planning for 09 new railway lines, total length of 2,362 km by 2030 The national railway network is planned to include 25 lines with a length of 6,354 km by 2050
Railway network planning for 2021-2030, vision to 2050	2050	Connecting Noi Bai international airport via two urban railway lines in Hanoi city (line 2 and line 6); connecting Long Thanh international airport via the North - South high-speed railway and the Thu Thiem - Long Thanh railway; connecting Tan Son Nhat international airport via urban railway (extended line 4b and line 2).

Notes



(*) Policy measures and targets were extracted from policy documents as listed in the ATO National Transport Policies Database

<https://bit.ly/ATOpolicyrepository>

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