

Palau

Transport Climate Profile

Population (2024)
18.1 thousand

Urban population
83%

Below 18 y.o.
27%

Population density
39 persons per sqkm

Rural population
17%

Above 60 y.o.
17%

Subregion
(1) **Pacific**

Gross domestic product
(1) (GDP PPP, 2022)
290.5 million USD

(1) Domestic consumption per capita, tonnes (2024)
9 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
High income

GDP per capita (PPP, 2022)
16,090 USD (1,2)
(2)

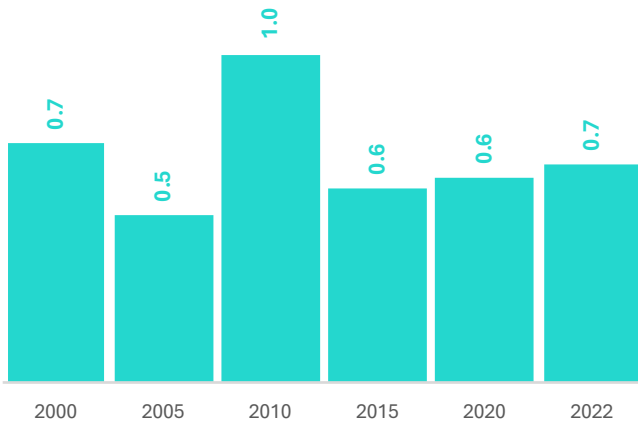
(3)

Transport and Climate Change

Transport fossil CO2 emissions, million tonnes

(4)

In 2010, transport contributed 48.5% of total fossil CO2 emissions. By 2022, transport contributed 50.1%.



Share of transport CO2 emissions by mode (2022)

| Road **89.0%** (4)

| Navigation **7.5%** (4)

Navigation and aviation only includes domestic transportation

Between 2000-2015, road transport contributed 85.1% in transport fossil CO2 emissions. Between 2016-2022, road transport contributed 88.1%.

Transport CO2 emissions intensity with GDP, 2022
2339.2 gCO2 per USD

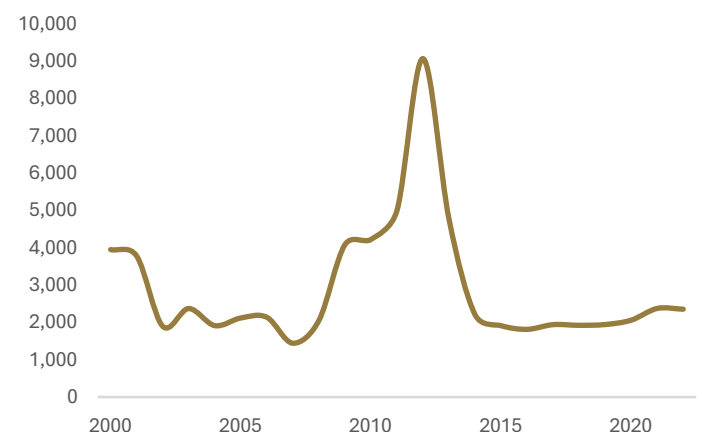
Asia-Pacific average is 33.2 gCO2 per USD

(2,4)

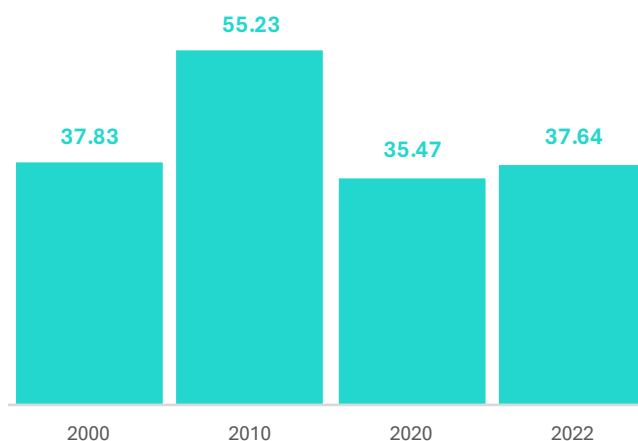
Transport CO2 emissions intensity with GDP trend, gCO2 per USD

(2,4)

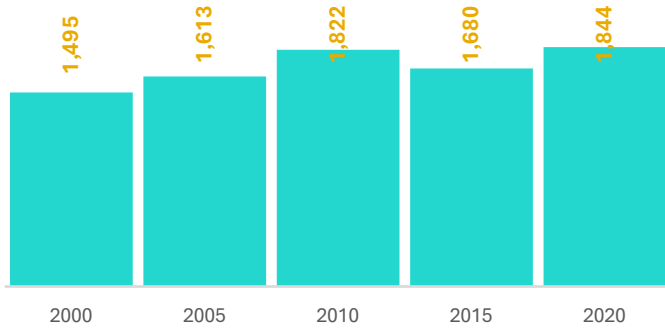
(1,4)



Transport fossil CO2 emissions per capita, tonnes



Transport energy consumption, terajoules

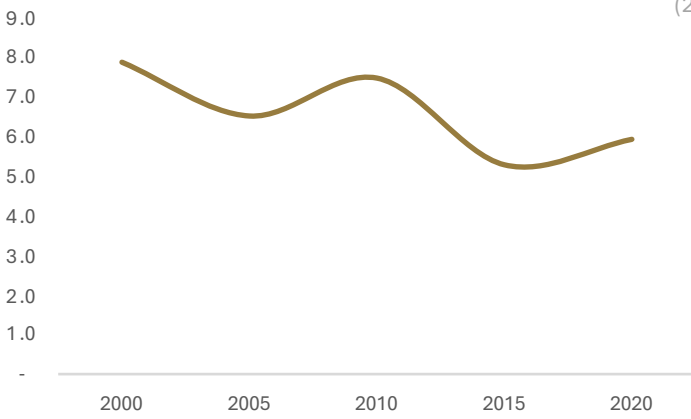


Transport energy intensity with GDP, 2020

5.9 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

None

0.0% of Asia-Pacific total

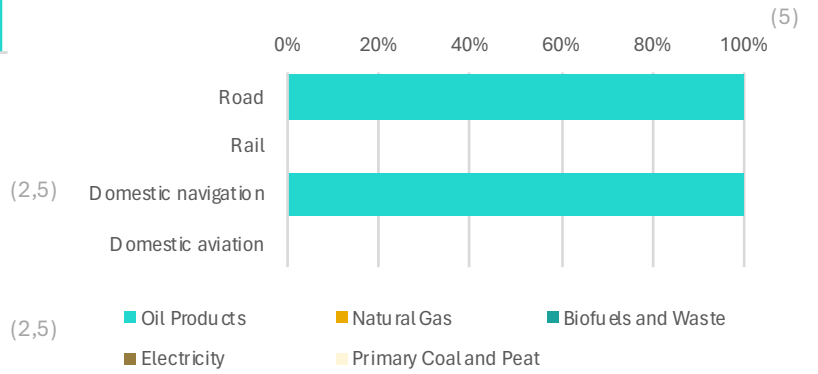
Implicit fossil fuel subsidies due to externalities

Share of transport energy consumption by mode (2020)

Road	31.8%	Rail	0.0%
Navigation	68.2%	Aviation	0.0%

Navigation and aviation only includes domestic transportation

Share of transport energy consumption by source (2020)

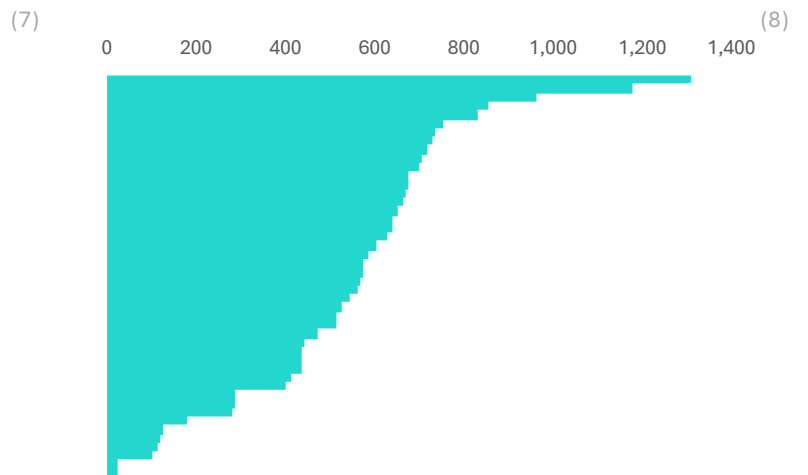


Grid emission factor

n.d.

Grid emission factor trend, gCO2 per kWh

Grid emission factors in Asia-Pacific, gCO2 per kWh



Vehicle Fleet

Road vehicles (2023)
n.d.

Road vehicle motorization rate (2023)
n.d.

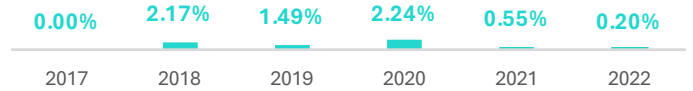
Road vehicles include 2- and 3-wheelers, LDVs, buses and other informal public transport, trucks, and other unclassified types

Electric road vehicle import value (2017-2022)

(9) | Total **445 thousand USD** | Hybrid-electric **314 thousand USD** (11)

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

Share of vehicles by type

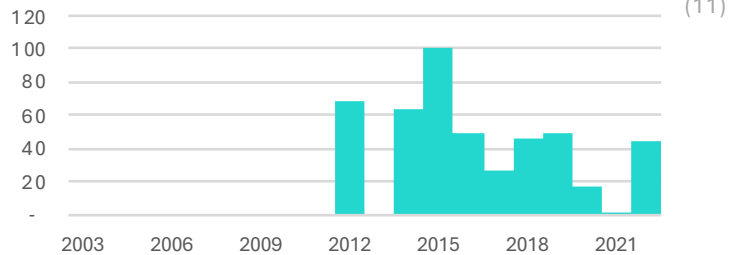


Bus import value (2017-2022)

2 million USD (11)

Bus vehicle production, units

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



Adaptation

Average annual losses to transport infrastructure due to hazards (2023)

0.18 million USD

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

(12) 0.00% 0.10% 0.20% 0.30% 0.40% 0.50% (12)

Share of average annual losses due to hazards, by mode (2022)

Road	33%	Rail	0%
Ports	47%	Airports	19%

(13)

National road vulnerability index ranking (2023)

184th out of 208 countries

(14)

Share of population in low elevated coastal zones (2018)

38%

(15)



Developed with the support of:



Urban Transport

Urban rapid transit length (2021)

| BRT **None** | LRT **None**

| Metro **None** (16)

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

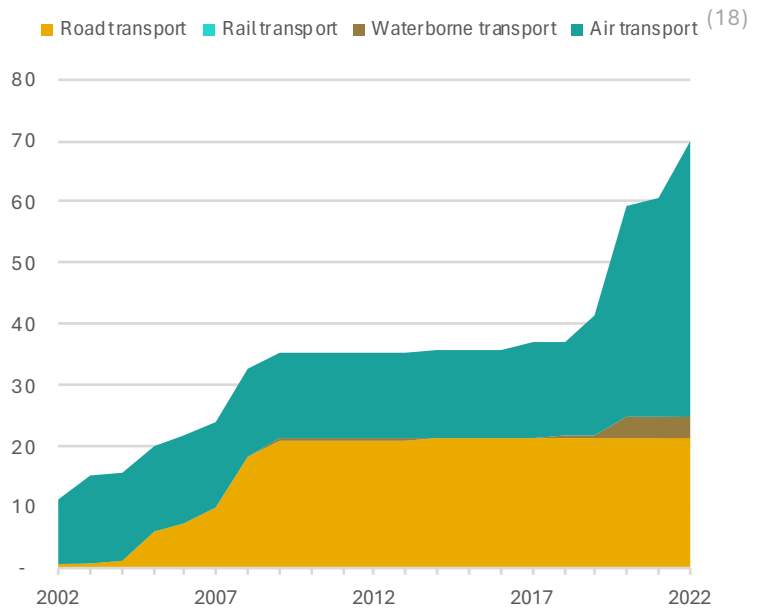
Urban rapid transit ratio (2021) **NA** (1,16)

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

Transport Investment

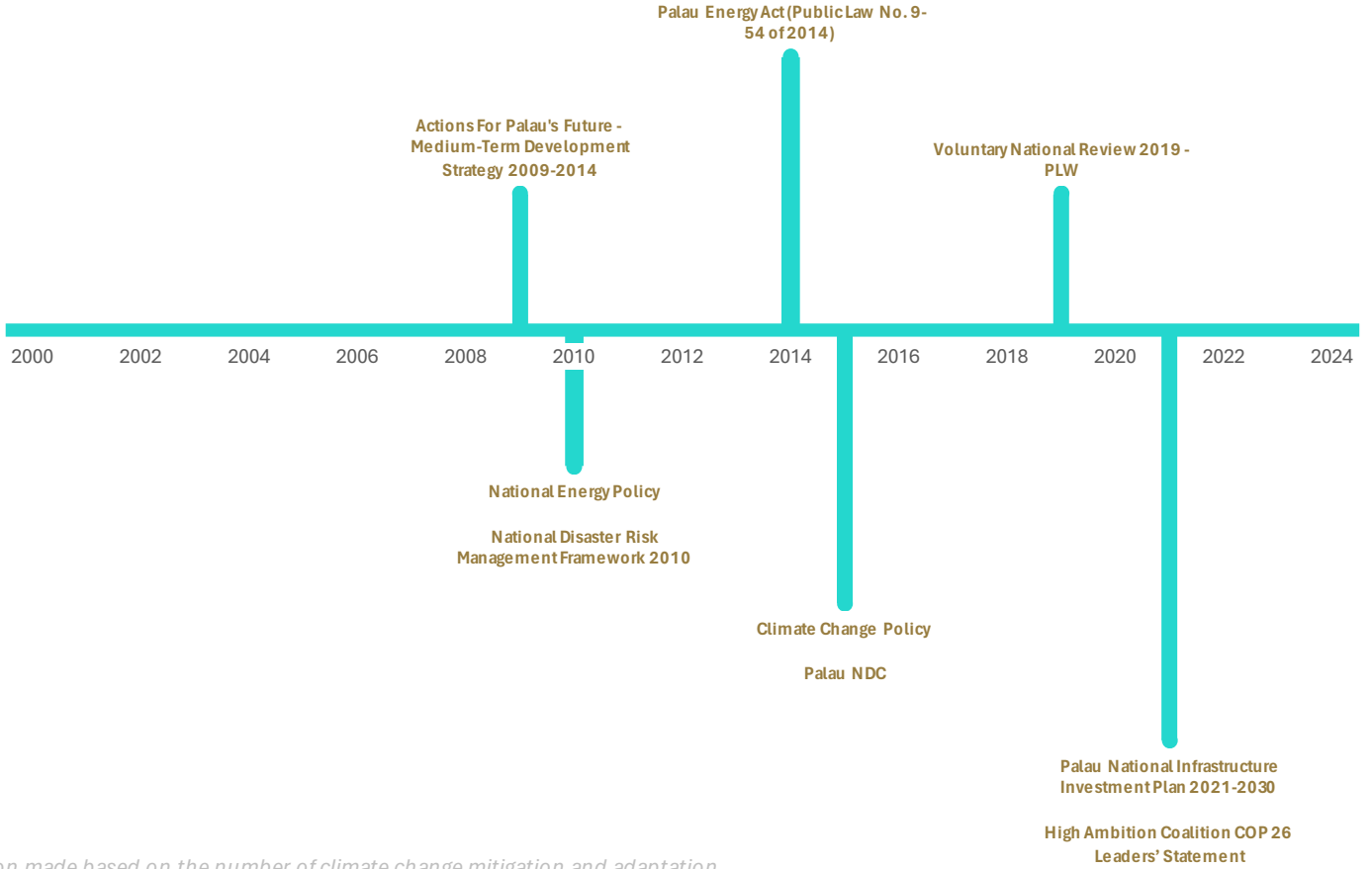
Public-private partnership investments in the transport sector, million USD

Official development assistance in the transport sector, million USD



Transport Climate Policy Documents

Transport-related policy documents in Palau



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
Palau NDC (adopted in 2015)	Mitigation measures	Yes		Yes		
	Mitigation targets					
	Adaptation measures					
	Adaptation targets					

Long-term Strategies

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

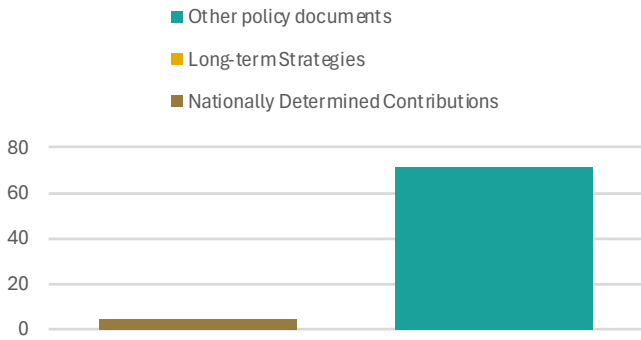


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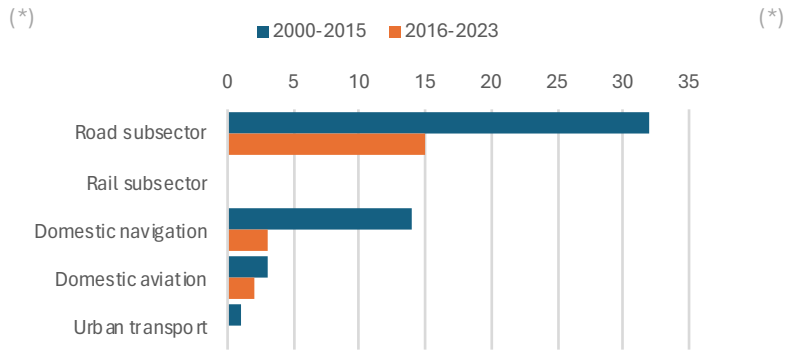


Transport Climate Policy Overview

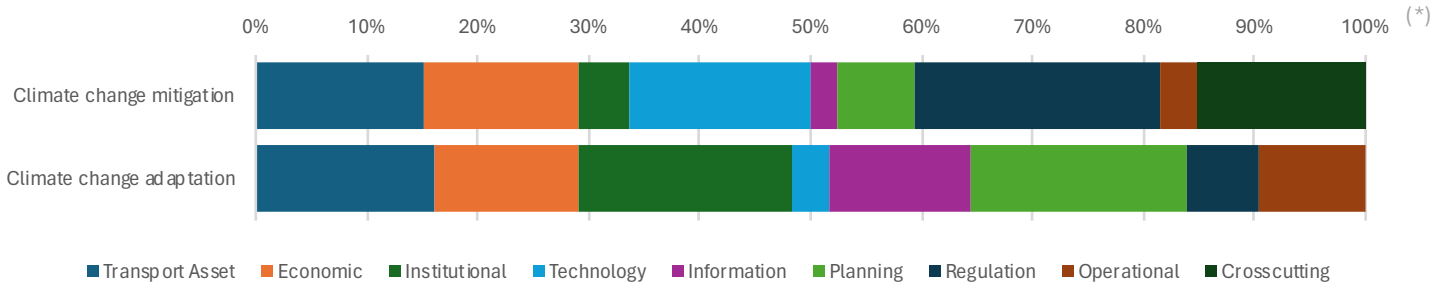
Number of measures by source



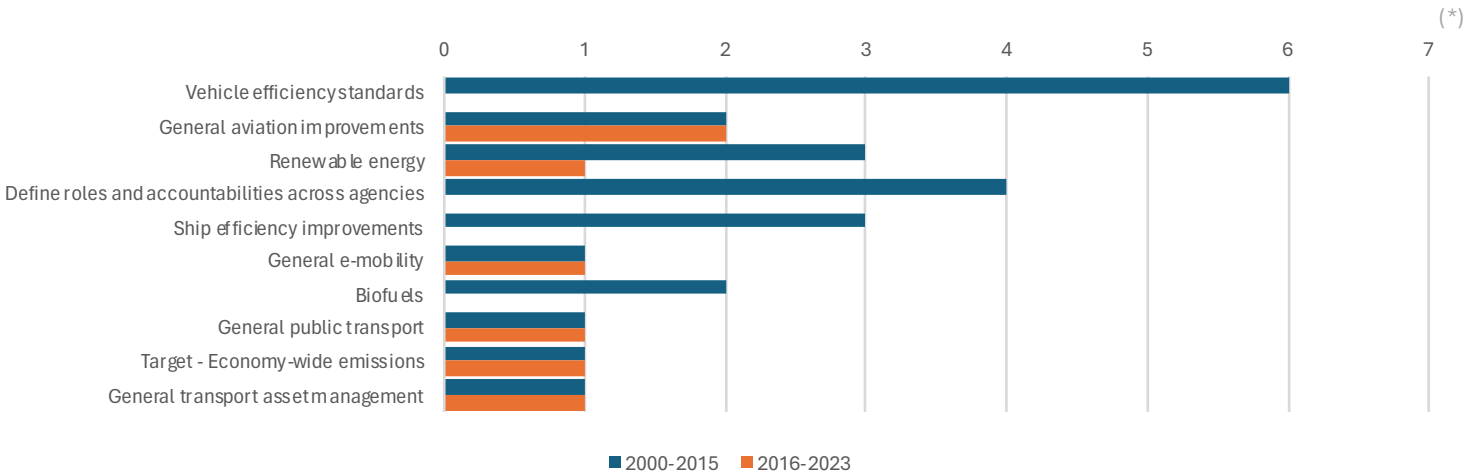
Number of climate change measures by subsectors



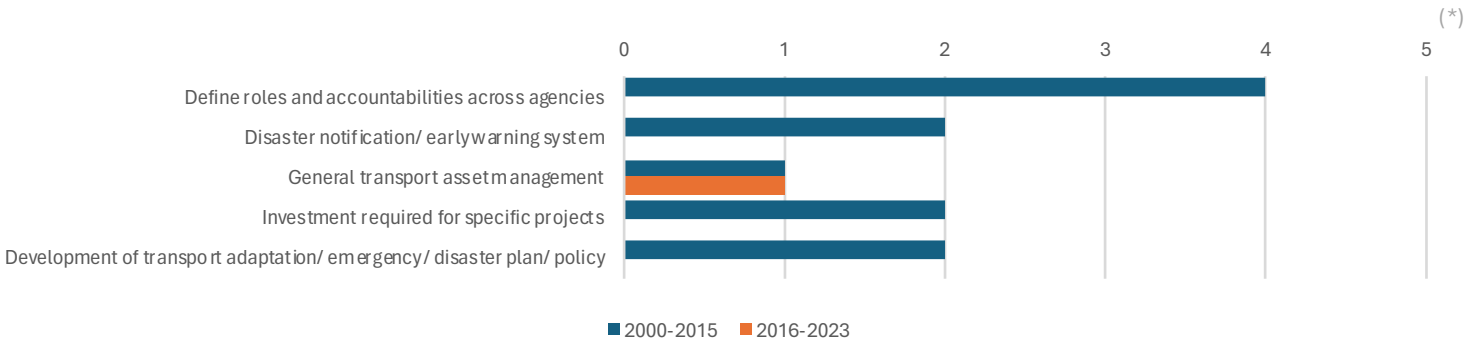
Transport-related climate change by framework



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
Voluntary National Review 2019 - PLW	2019	Active transport infrastructure expansion, General active mobility, Renewable energy, General e-mobility, General public transport
Climate Change Policy	2015	Fiscal incentives for EVs and components, General e-mobility, Biofuels, Energy efficient vehicle purchase incentives, General transport demand management, Development of transport plan/ policy, Vehicle efficiency standards, Vehicle restrictions (import, age, access, sale, taxation)
Palau NDC	2015	Biofuels, Vehicle efficiency standards
National Disaster Risk Management Framework 2010	2010	General transport asset management, Define roles and accountabilities across agencies
Palau Energy Act (Public Law No. 9-54 of 2014)	2014	Define roles and accountabilities across agencies, Vehicle efficiency standards
Palau National Master Development Plan	1995	Road infrastructure expansion, Define roles and accountabilities across agencies, General transport institutional reform
Energy Efficiency Action Plan (EEAP)	2008	Financial instruments to support decarbonisation
National Energy Policy	2010	General data repositories and data collection, Vehicle inspection and maintenance, General public transport, General transport demand management, Investment required for specific projects, Vehicle efficiency standards, Vehicle restrictions (import, age, access, sale, taxation)
Palau National Infrastructure Investment Plan 2021-2030	2021	General transport asset management
Palau Energy Conservation Strategy (PECS)	2007	General vehicle improvements
Actions For Palau's Future - Medium-Term Development Strategy 2009-2014	2009	Investment required for specific projects, Reference to finance mechanisms within country
Vehicle Legislation	2017	Transport law, National speed law
Energy Act (RPPL No. 9-56)	2014	Ship efficiency improvements, Vehicle efficiency standards

Climate Change Mitigation Policy Measures - Domestic Navigation

Policy document	Year	Measures
Palau Energy Act (Public Law No. 9-54 of 2014)	2014	Ship efficiency improvements, Define roles and accountabilities across agencies, Vehicle efficiency standards
Energy Efficiency Action Plan (EEAP)	2008	Ship efficiency improvements, Financial instruments to support decarbonisation
Voluntary National Review 2019 - PLW	2019	Renewable energy, General public transport
Palau National Master Development Plan	1995	General shipping improvement, Port infrastructure improvements
Palau National Infrastructure Investment Plan 2021-2030	2021	General transport asset management
National Energy Policy	2010	Vehicle inspection and maintenance, Investment required for specific projects
Energy Act (RPPL No. 9-56)	2014	Ship efficiency improvements, Vehicle efficiency standards
Palau NDC	2015	Vehicle efficiency standards

Climate Change Mitigation Policy Measures - Domestic Aviation

Policy document	Year	Measures
Actions For Palau's Future - Medium-Term Development Strategy 2009-2014	2009	General aviation improvements
Palau National Infrastructure Investment Plan 2021-2030	2021	General aviation improvements
Palau National Master Development Plan	1995	General aviation improvements, Transport law
Voluntary National Review 2019 - PLW	2019	General aviation improvements

Climate Change Mitigation Policy Measures - Urban Transport

Policy document	Year	Measures
National Energy Policy	2010	General public transport

Climate Change Adaptation Policy Measures

Policy document	Year	Measures
National Disaster Risk Management Framework 2010	2010	Disaster notification/ early warning system, General transport asset management, Adaptation-related education and training, Define roles and accountabilities across agencies, Development of transport adaptation/ emergency/ disaster plan/ policy, Disaster monitoring and risk assessment for transport infrastructure (Sub-sectors: Road transport, Domestic Navigation)
Climate Change Policy	2015	Disaster notification/ early warning system, Define roles and accountabilities across agencies, Development of transport adaptation/ emergency/ disaster plan/ policy, Development of transport plan/ policy, Disaster monitoring and risk assessment for transport infrastructure (Sub-sectors: Road transport, Domestic Navigation)
Palau Energy Act (Public Law No. 9-54 of 2014)	2014	Define roles and accountabilities across agencies (Sub-sectors: Road transport, Domestic Navigation)
Palau National Master Development Plan	1995	Define roles and accountabilities across agencies, General transport institutional reform, Transport law (Sub-sectors: Road transport, Domestic Aviation)
National Energy Policy	2010	General data repositories and data collection, Investment required for specific projects (Sub-sectors: Road transport, Domestic Navigation)
Palau National Infrastructure Investment Plan 2021-2030	2021	Transport infrastructure resilience, General transport asset management (Sub-sectors: Road transport, Domestic Navigation)
Palau Energy Conservation Strategy (PECS)	2007	General vehicle improvements (Sub-sectors: Road transport)
Actions For Palau's Future - Medium-Term Development Strategy 2009-2014	2009	Investment required for specific projects, Reference to finance mechanisms within country (Sub-sectors: Road transport)
Vehicle Legislation	2017	Transport law (Sub-sectors: Road transport)

Notes



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

<https://bit.ly/ATOpolicyrepository>

References

- (1) UN Population Database (2022), <https://population.un.org/wpp/>
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- (6) Fossil Fuels Consumption Subsidies 2022 (IEA, 2022), <https://www.iea.org/reports/fossil-fuels-consumption-subsidies-2022>
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- (16) Rapid Transit Database (ITDP, 2022), <https://www.itdp.org/rapid-transit-database/>
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- (18) Organisation for Economic Co-operation and Development (OECD) (2022), <https://stats.oecd.org/Index.aspx?DataSetCode=CRS1#>

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