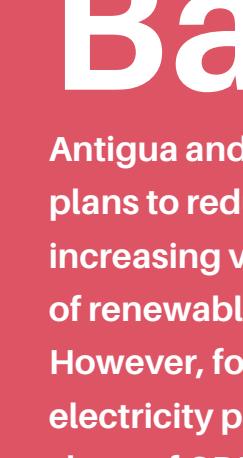


## Nexus between Transport and Renewable Energy



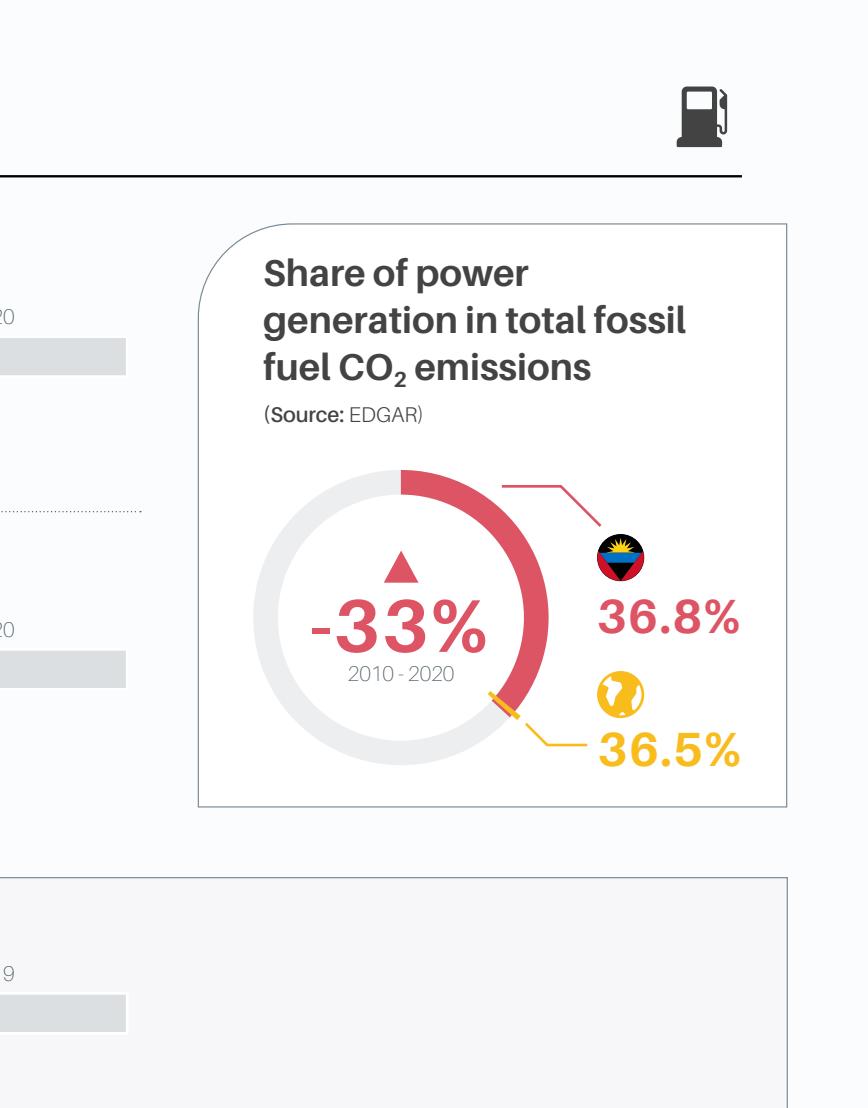
# Antigua & Barbuda

Antigua and Barbuda has put forth ambitious plans to reduce transport emissions by increasing vehicle electrification and use of renewable energy, including biofuels. However, fossil fuel subsidies to regulate electricity prices still consume a substantial share of GDP and threaten the effectiveness of proposed e-mobility measures.

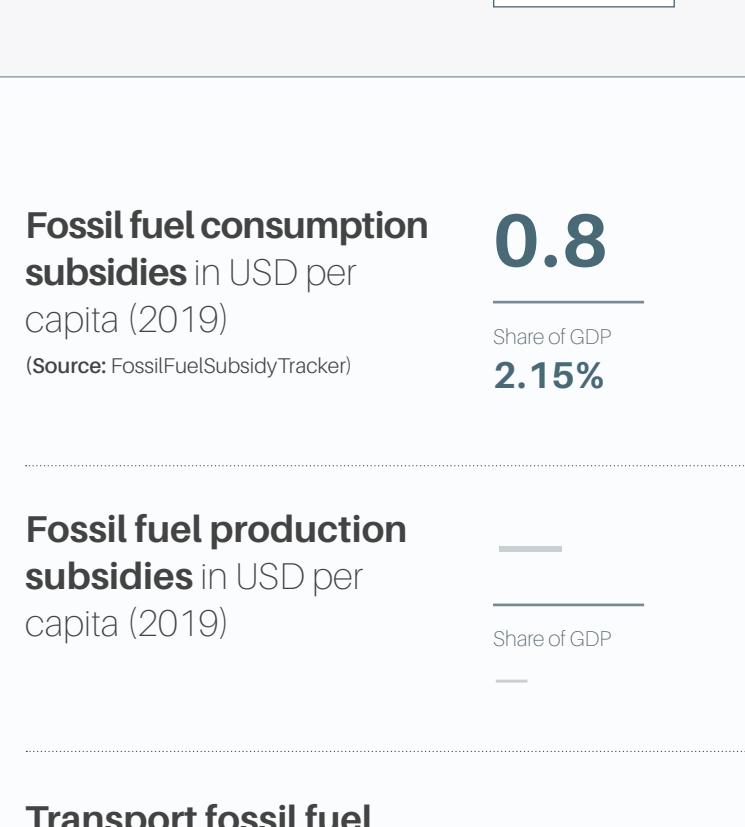
### Country Typology Framework

This framework is the basis for an analysis of fossil fuel subsidy reform and renewable energy scale up in the transport sector, which can reduce carbon emissions and generate tax revenues for sustainable development.

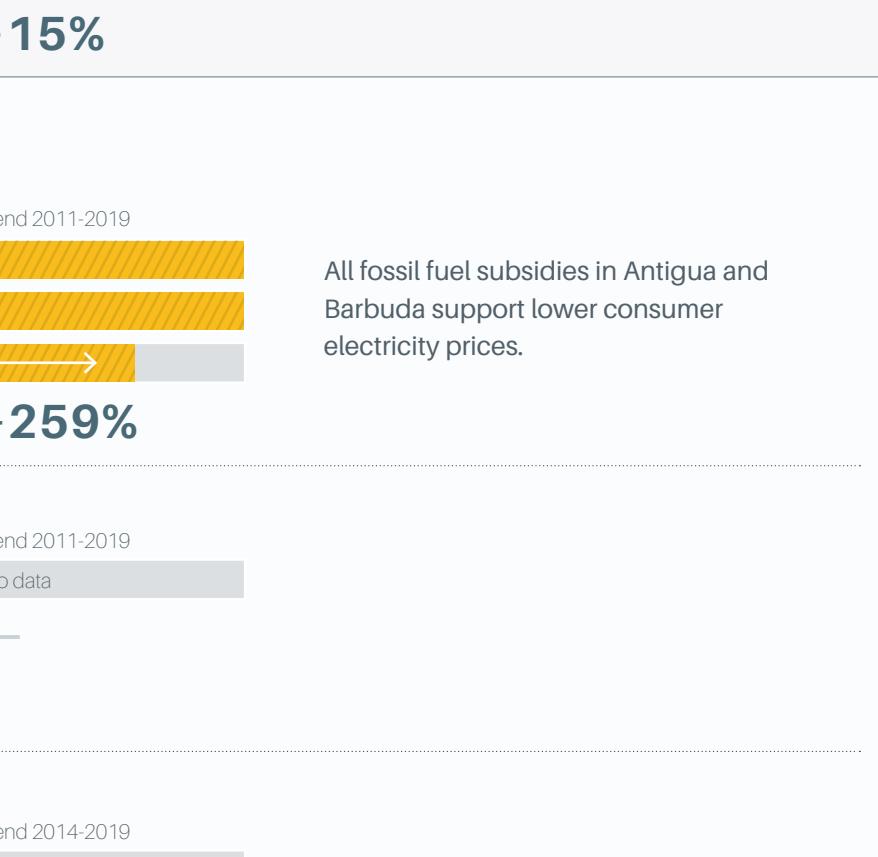
Fossil fuel subsidy trends  
Growing / 'rebound'      Decreasing



### \$ GDP per capita 2019



### Population 2019



## Fossil Fuel Energy

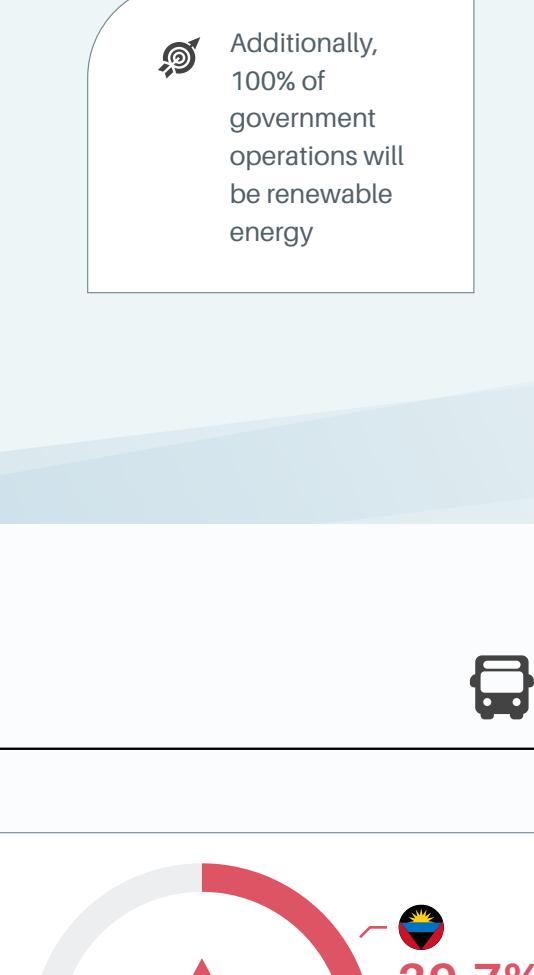
### Net import/export oil products (EJ) (2020)

Trend 2010-2020 no data

### Net import/export crude oil (EJ) (2020)

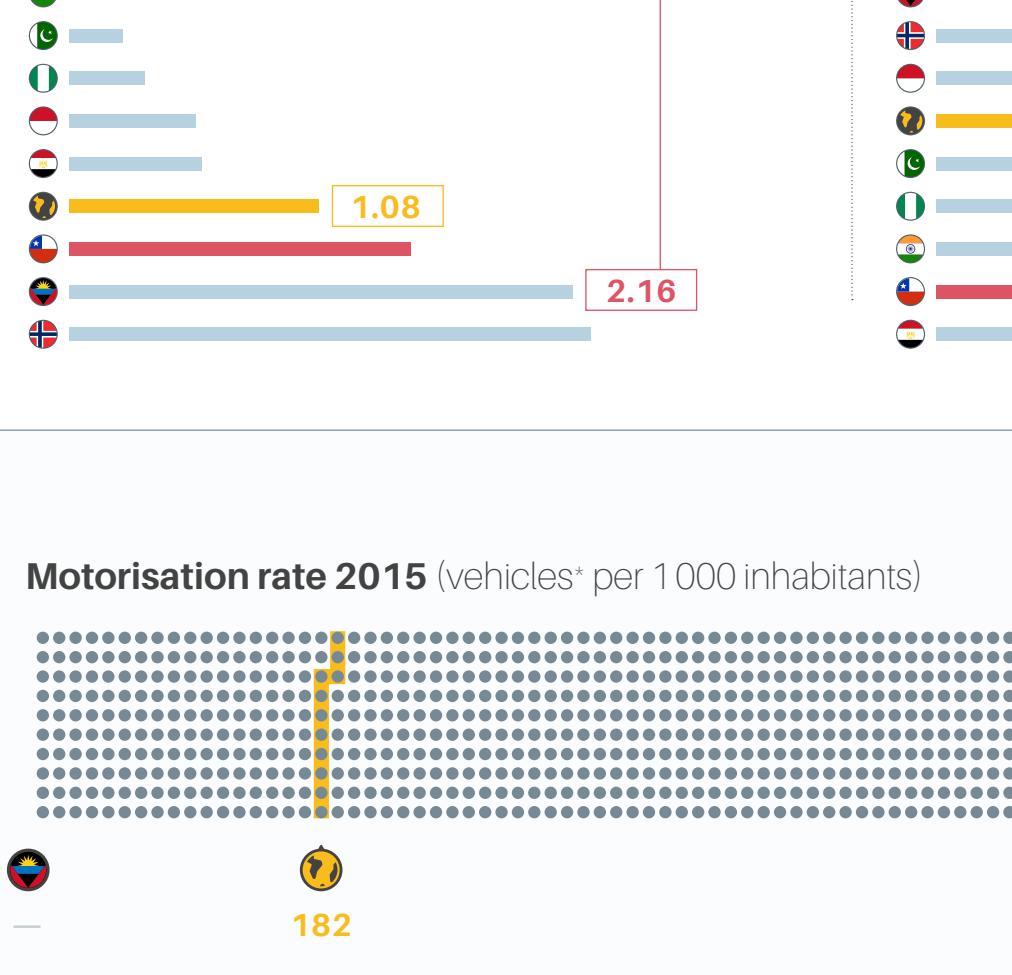
Trend 2010-2020 no data

### Share of power generation in total fossil fuel CO<sub>2</sub> emissions



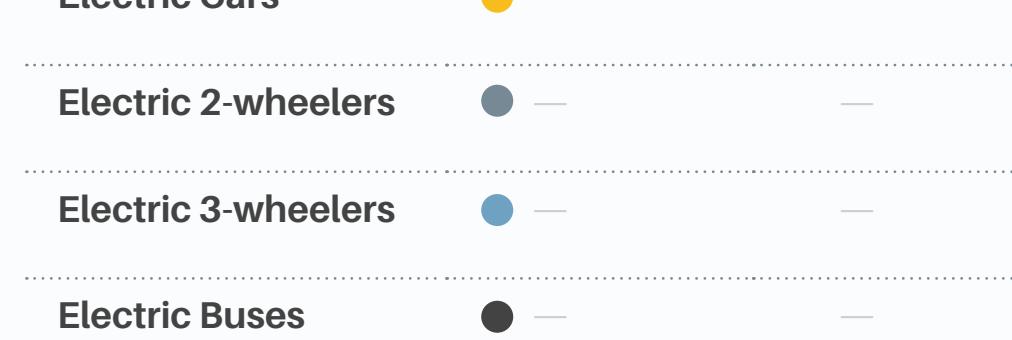
### Total energy supply per capita (TJ/cap) (2019)

(Source: IEA)



### Fossil fuel consumption subsidies in USD per capita (2019)

(Source: FossilFuelSubsidyTracker)



All fossil fuel subsidies in Antigua and Barbuda support lower consumer electricity prices.

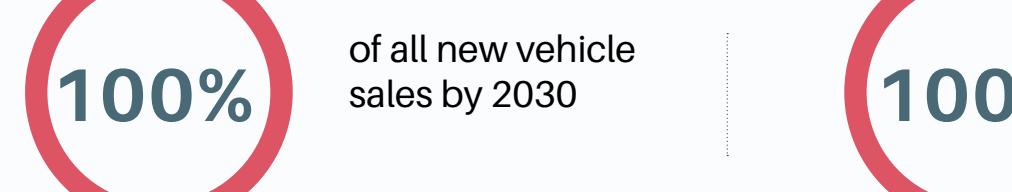
### Fossil fuel production subsidies in USD per capita (2019)

(Source: FossilFuelSubsidyTracker)



### Transport fossil fuel subsidies in million USD per capita (2019)

(Source: REN21)



Trend 2014-2019 no data

+259%

(Source: GRO)

Antigua and Barbuda invested USD 60 million for COVID response measures, all of which is dedicated to direct liquidity support for businesses, reduced prices for key products and direct provision of basic needs.

(Source: GRO)

## Renewable Energy

### Share of renewables in:

Primary energy (%)      Electricity generation (%)

(Source: REN21)

1% 2017      4.39% 2019

### Renewable electricity target

(Source: NDC)

2030

86% of power generation by 2030

Additionally, 100% of government operations will be renewable energy

\*Primary energy refers to all energy used in a country before transformation and encompasses all uses, including all non-electricity use of energy.

## Transport

### Share of transport in total energy demand (%) (2019)

(Source: IEA)

2010-2019      28.9%

(Source: IEA)

2010-2019      39.7%

(Source: EDGAR)

2010-2019      21.8%

(Source: EDGAR)

2010-2019      67.55

(Source: IEA)

2010-2019      1.08

(Source: EDGAR)

2010-2019      2.16

(Source: EDGAR)

2010-2019      182

(Source: OICA) \*passenger cars and commercial vehicles

Trend 2010-2015      182

● = 1 inhabitant

(Source: OICA) \*passenger cars and commercial vehicles

Trend 2010-2015      182

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