

ANTIGUA AND BARBUDA

ENERGY REPORT CARD (ERC) FOR 2021



INTRODUCTION

This document presents Antigua and Barbuda's Energy Report Card (ERC) for 2021.

The ERC provides an overview of the energy sector performance in Antigua and Barbuda's. The ERC also includes energy efficiency, technical assistance, workforce, training and capacity building information, subject to the availability of data.

This ERC includes data and information that was provided by government ministries, agencies, or departments, with responsibility for energy, utilities, and statistical offices.

The data collected was supplemented by internet research, author calculations and inferences.

This data is a collection from a variety of public sources and, as such, is for general information only. It is not intended for decision-making purposes, and therefore reliance placed on the information herein is strictly at the user's risk.



MEDIUM-TERM DEVELOPMENT STRATEGY 2016 TO 2020^[5]

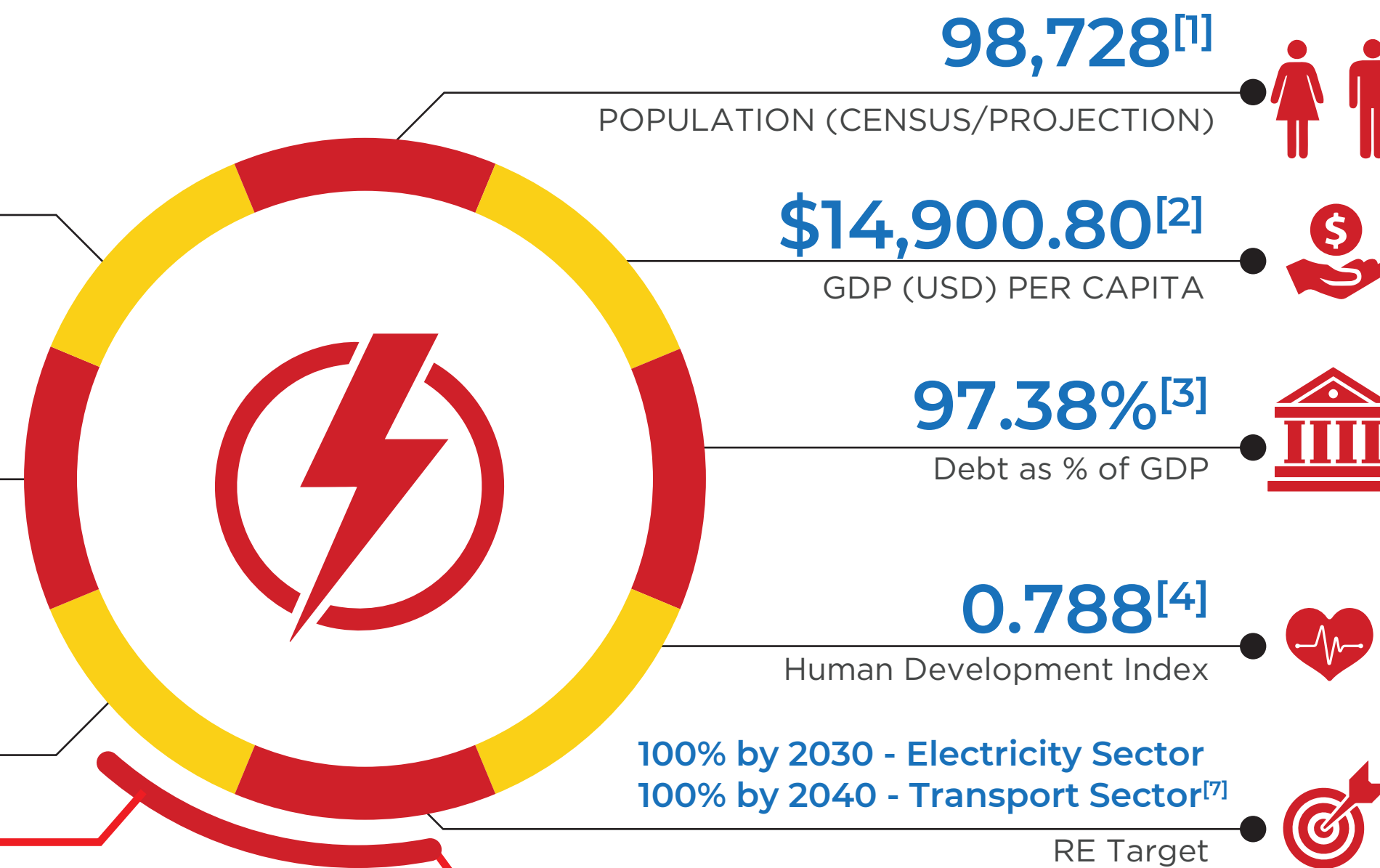
National Development Plan/
Overall Country Development Strategy

ANTIGUA AND BARBUDA NATIONAL ENERGY^[6]

National Energy Policy

None














Renewable Energy (RE) Policy



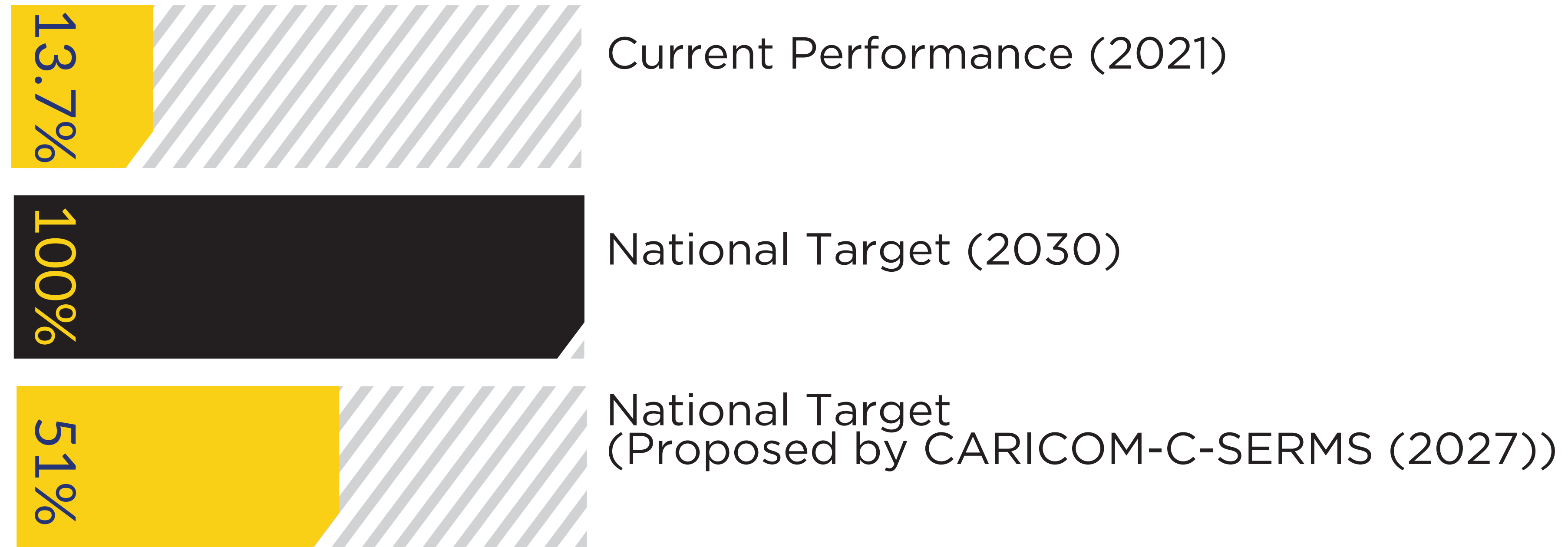
National Determined Contributions (NDC)




ENERGY PERFORMANCE STANDARDS/APPLIANCE LABELLING
 NONE

	No. of Persons Employed in Energy Sector	Not Available
	Total Installed Conventional Capacity (MW)	77^[8]
	Total Installed RE (MW)	12.2^[8]
	Electricity System Losses (%)	11.72%^[8]
	Energy Use (kWh) Per Capita	3,759.38^[8]
	Fuel and Oil Imports as % of GDP	Not Available
	Oil Imports as % of GDP	Not Available
	Electric Vehicle Stock	23^[9]
	Climate Change Policy	Antigua and Barbuda Sustainable Energy Action Plan^[9]
	Total Oil Import (BOE) per day	Not Available
	Total Oil Export (BOE) per day	Not Available
	Energy Intensity (BTU/\$)	Not Available
	National Repository for Energy Data	None

Performance Against Targets





GOVERNMENT MINISTRIES, DEPARTMENTS AND AGENCIES

Ministry of Public Utilities, Civil Aviation, Transport and Energy [12]

Energy [12]
 Antigua Public Utilities Authority (APUA) [13]
 Antigua and Barbuda National Energy Council [12]

Ministry of Health, Wellness and the Environment [14]

Department of Environment [15]



FUEL IMPORTERS AND SUPPLIERS

West Indies Oil Company Limited [16]

RUBIS Caribbean [17]



ELECTRIC UTILITY

Antigua Public Utilities Authority (APUA) [13]



INDEPENDENT POWER PRODUCER

Antigua Power Company [18]



ELECTRICITY REGULATOR

Antigua Power Company



TRANSPORTATION

Antigua and Barbuda Transport Board (ABTB) [12]

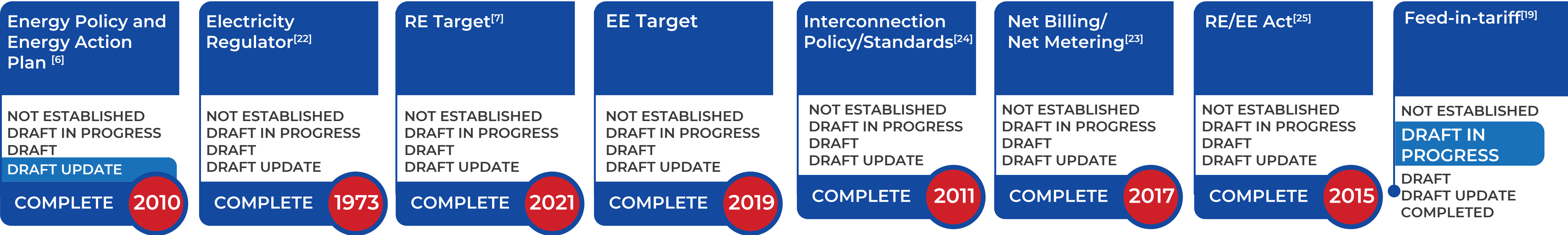


OTHER

Ministry of Finance and Corporate Governance [19]

Antigua and Barbuda Bureau of Standards [20]

Development Control Authority [21]



Policies and Legislation Relevant to the Energy Sector

KEY ACHIEVEMENTS

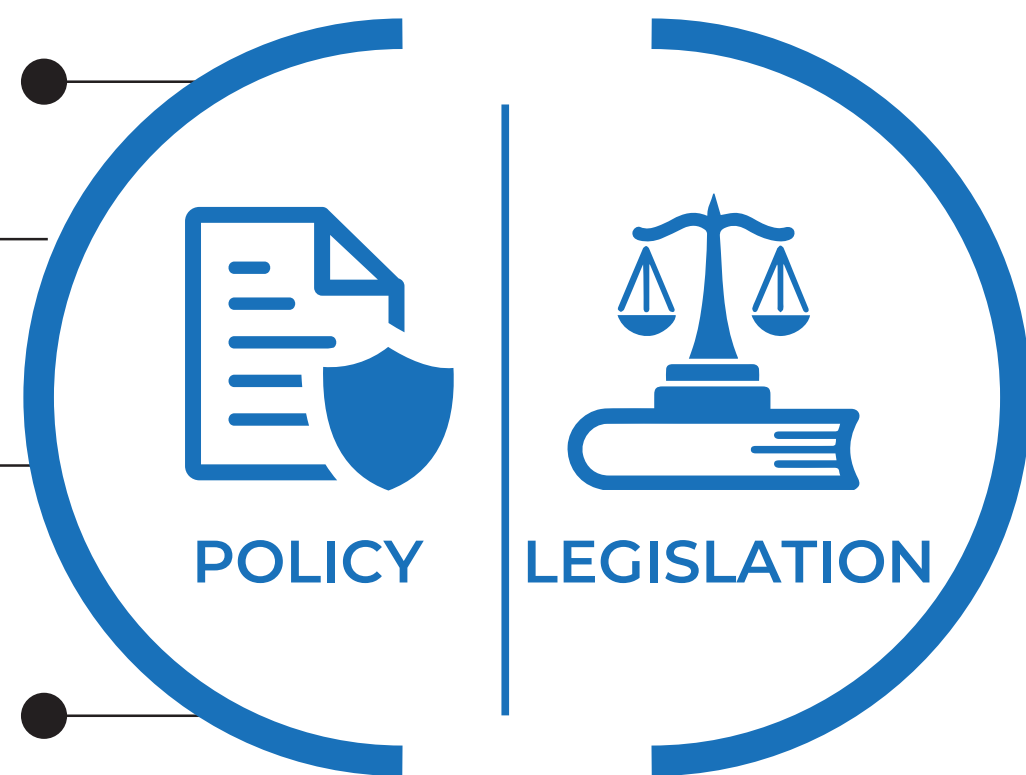
PLR Framework Timeline For Electricity Sector

Medium-Term Development Strategy 2016 to 2020 (2015) ^[27]

Sustainable Energy Action Plan (2013) ^[26]

National Energy Policy (2011)

CARICOM Regional Energy Efficiency Building Code (2018) ^[28]



Environment Protection and Management Act, 2019 No. 10 of 2019 ^{1 [29]}

1973

The Public Utilities Act (Amended 1993, 2004) ^[22]

2011

Interconnection Policy Statement ^[24]

2015

Renewable Energy Act ^[25]



LEGISLATION

Motor Vehicles (Customs Duty Exemption) Act CAP 287 (1931) ^[30]

The Petroleum Act CAP 326 (1949) ^[31]

Motor Vehicles Insurance (Third-Party Risks) Act CAP 288 (1952) ^[32]

Motor Vehicles (Control of Hire) Act CAP. 286 (1962) ^[33]

The Petroleum Industry (Encouragement) Act CAP 327 (1963) ^[34]

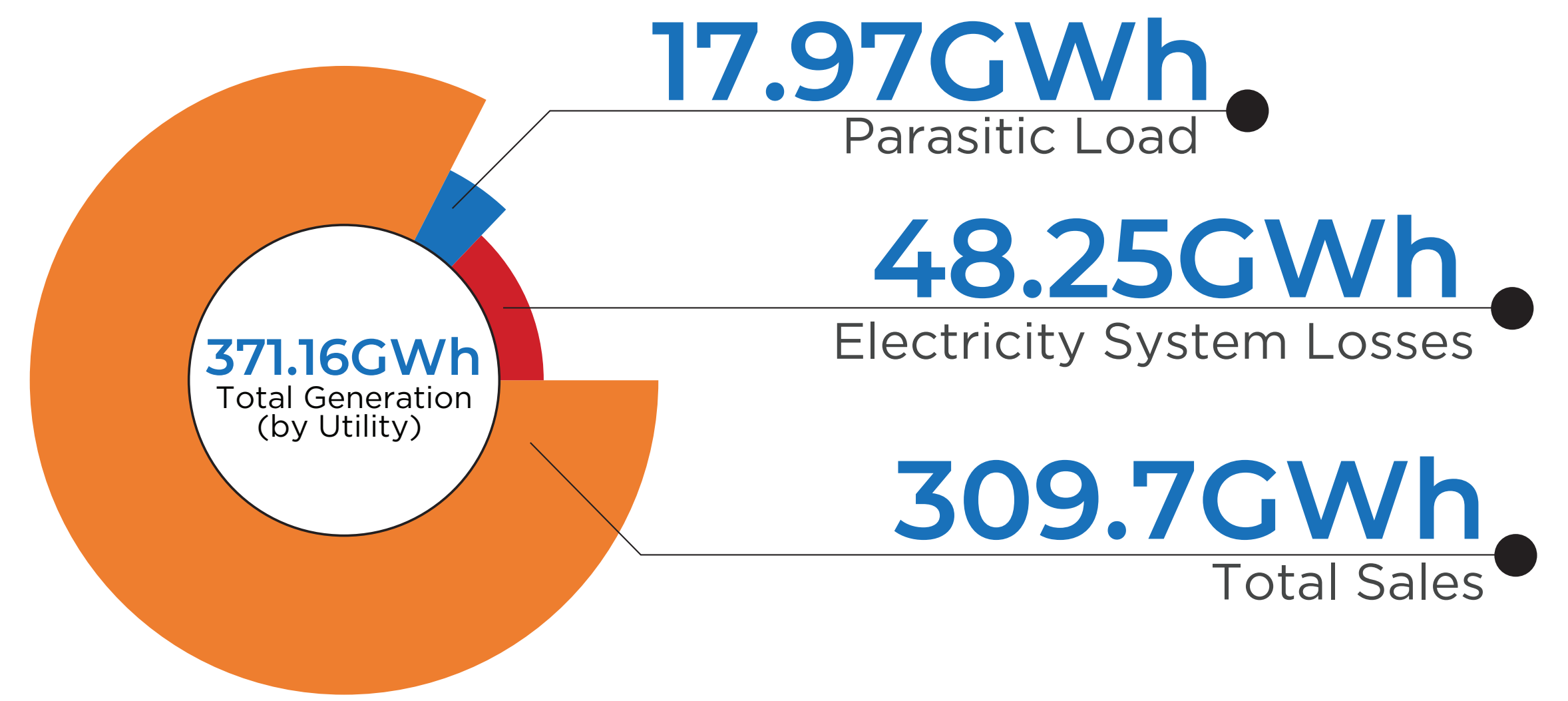
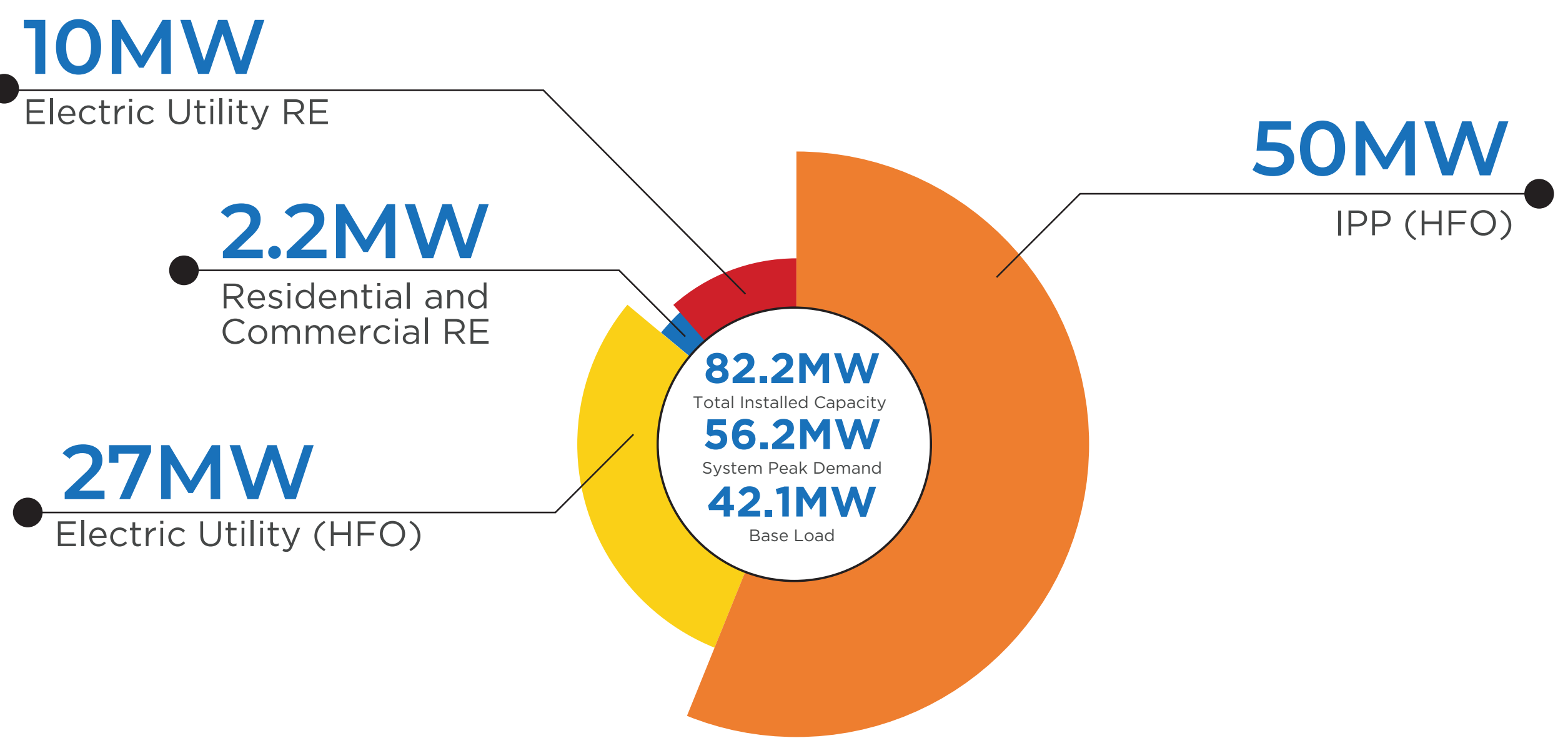
Environment Protection and Management Act, 2019 No 10 of 2019 ^[35]

The Vehicles and Road Traffic (Amendment) Act, 2018 No 18 of 2018 ^[36]

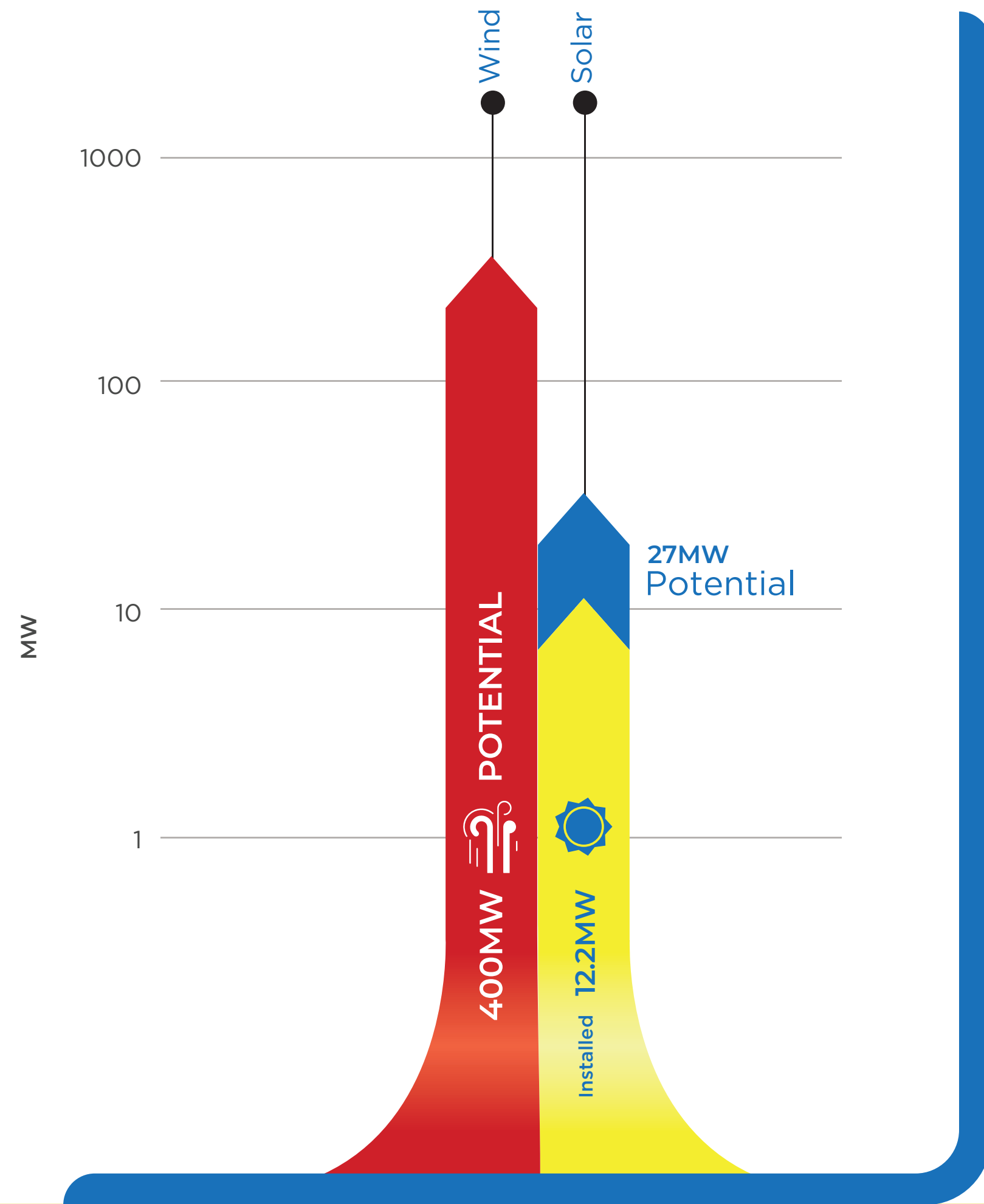
The Transport Board (Amendment) Act, 2020 No. 28 of 2020 ^[37]

Installed Capacity (MW)

Energy Consumption (GWh)

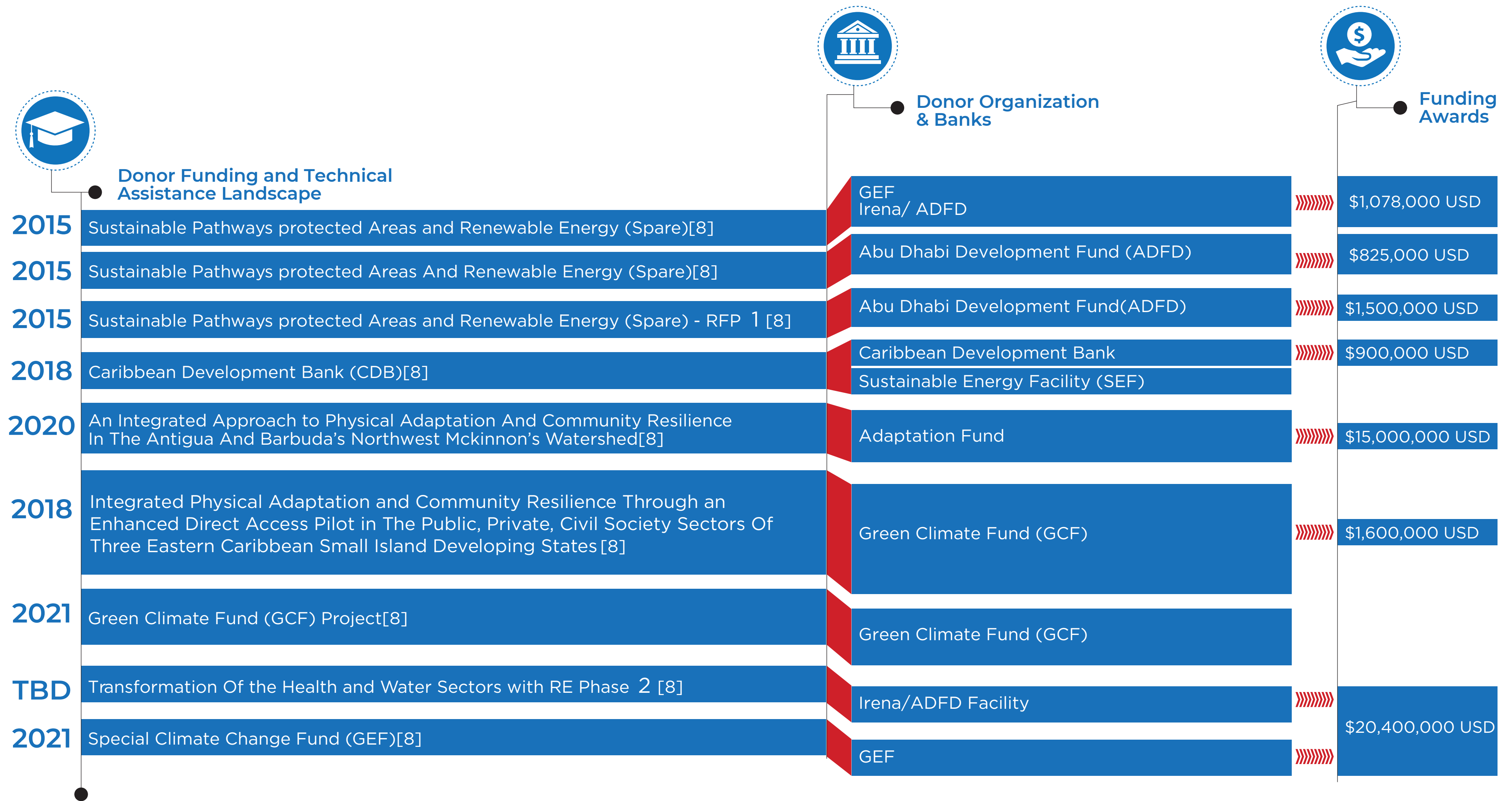


Renewable Energy Capacity (MW)



Electricity Tariffs

RATE CLASS	US\$/kWH
RESIDENTIAL TARIFFS	0.33
COMMERCIAL	0.34
INDUSTRIAL/ LARGE POWER	0.35
STREETLIGHTS	0.35



Energy Efficiency Projects




**ENERGY EFFICIENCY
PROJECTS**

There were no Energy Efficiency Projects reported for 2021

Renewable Energy Projects

Project Type	Description	Capacity	Development Partner	Cost (USD)	Funding Source	Location
SOLAR PHOTO-VOLTAIC	Sustainable Pathways protected Areas and Renewable Energy (Spare) [8]	696kW	Vergnet Group (EPC) contractor	\$652,692.71	GEF IRENA/ ADFD	Mount St. Johns Medical Centre
SOLAR PHOTO-VOLTAIC	Integrated Physical Adaptation and Community Resilience Through an Enhanced Direct Access Pilot In The Public, Private, Civil Society Sectors Of Three Eastern Caribbean Small Island Developing States [8]	650kW	Qualified Solar PV Installers	\$900,000.00	Green Climate Fund (GCF)	Churches and Residential
SOLAR PHOTO-VOLTAIC	An Integrated Approach to Physical Adaptation and Community Resilience In The Antigua And Barbuda's Northwest Mckinnon's Watershed [8]	900kW	Ministry of Environment	\$1,500,000.00	Adaptation Fund	Churches and Residential
SOLAR PHOTO-VOLTAIC	Sustainable Pathways protected Areas and Renewable Energy (Spare) - RFP 1 [8]	290kW	Ministry of Environment	\$1,175,826.00	Abu Dhabi Development Fund (ADFD)	Medical Clinics
SOLAR PHOTO-VOLTAIC	Caribbean Development Bank (CDB) [8]	142kW	Ministry of Environment	\$1,078,000.00	Caribbean Development Bank Sustainable Energy Facility (SEF)	Medical Clinics
SOLAR PHOTO-VOLTAIC	Green Climate Fund (GCF) Project [8]	1500kW	Ministry of Environment	\$7,790,000.00	Green Climate Fund (GCF)	Government Buildings
SOLAR PHOTO-VOLTAIC	Transformation Of the Health and Water Sectors with RE Phase 2 [8]	1800kW	Ministry of Environment	\$15,000,000.00	IRENA/ADFD FACILITY	Government Buildings
SOLAR PHOTO-VOLTAIC	Special Climate Change Fund (GEF) [8]	400kW	Ministry of Environment	\$1,600,000.00	GEF	Residential
WIND	Sustainable Pathways protected Areas and Renewable Energy (Spare) [8]	4125kW	Vergnet Group (EPC) contractor	\$15,000,000.00	Abu Dhabi Development Fund (ADFD)	Crabbs and Sir Vivian Richards Stadium

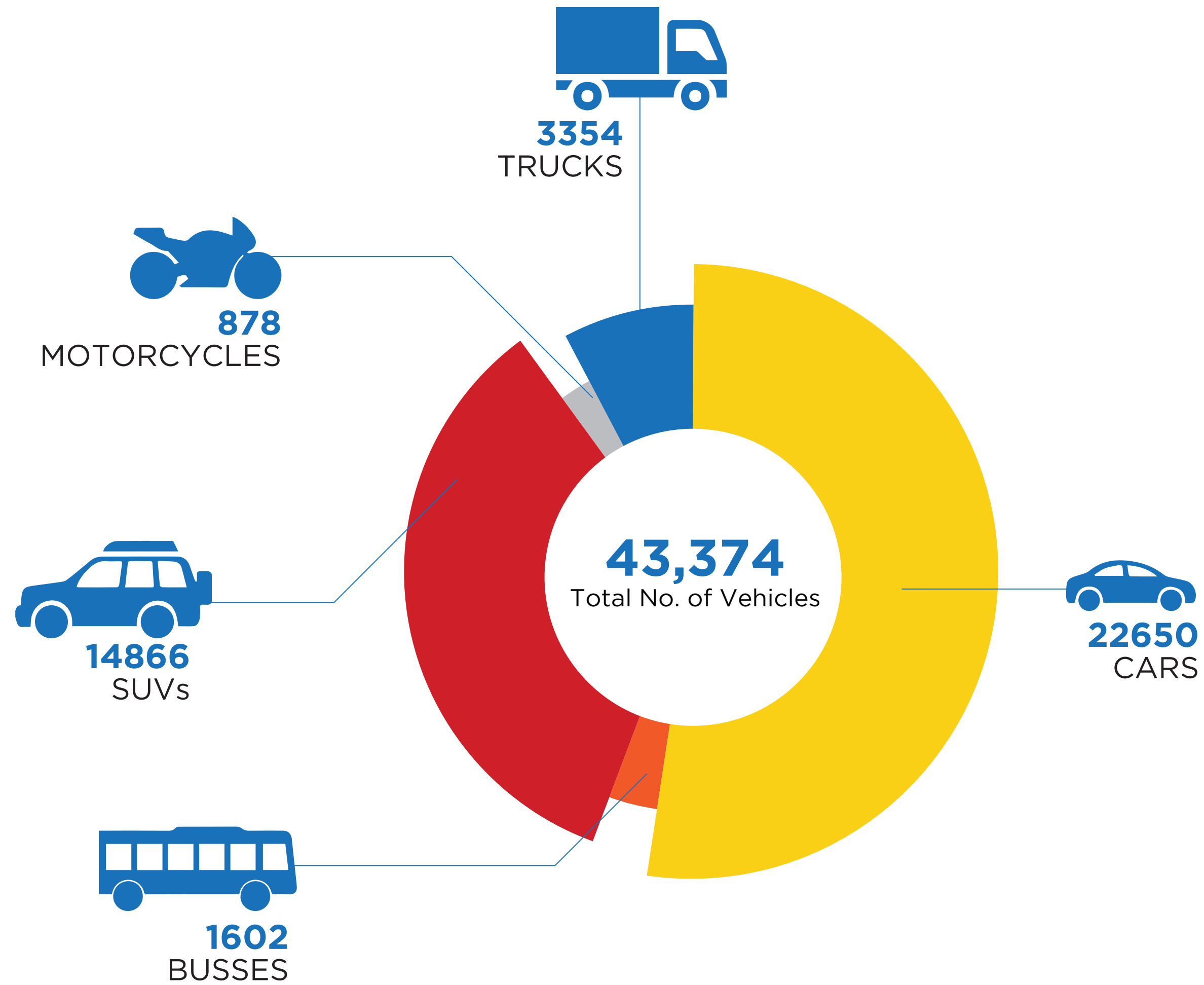
Tertiary Programmes Offered



TERTIARY PROGRAMMES OFFERED
Antigua State College no longer offers the Green Engineering programme or any other energy or climate programmes.

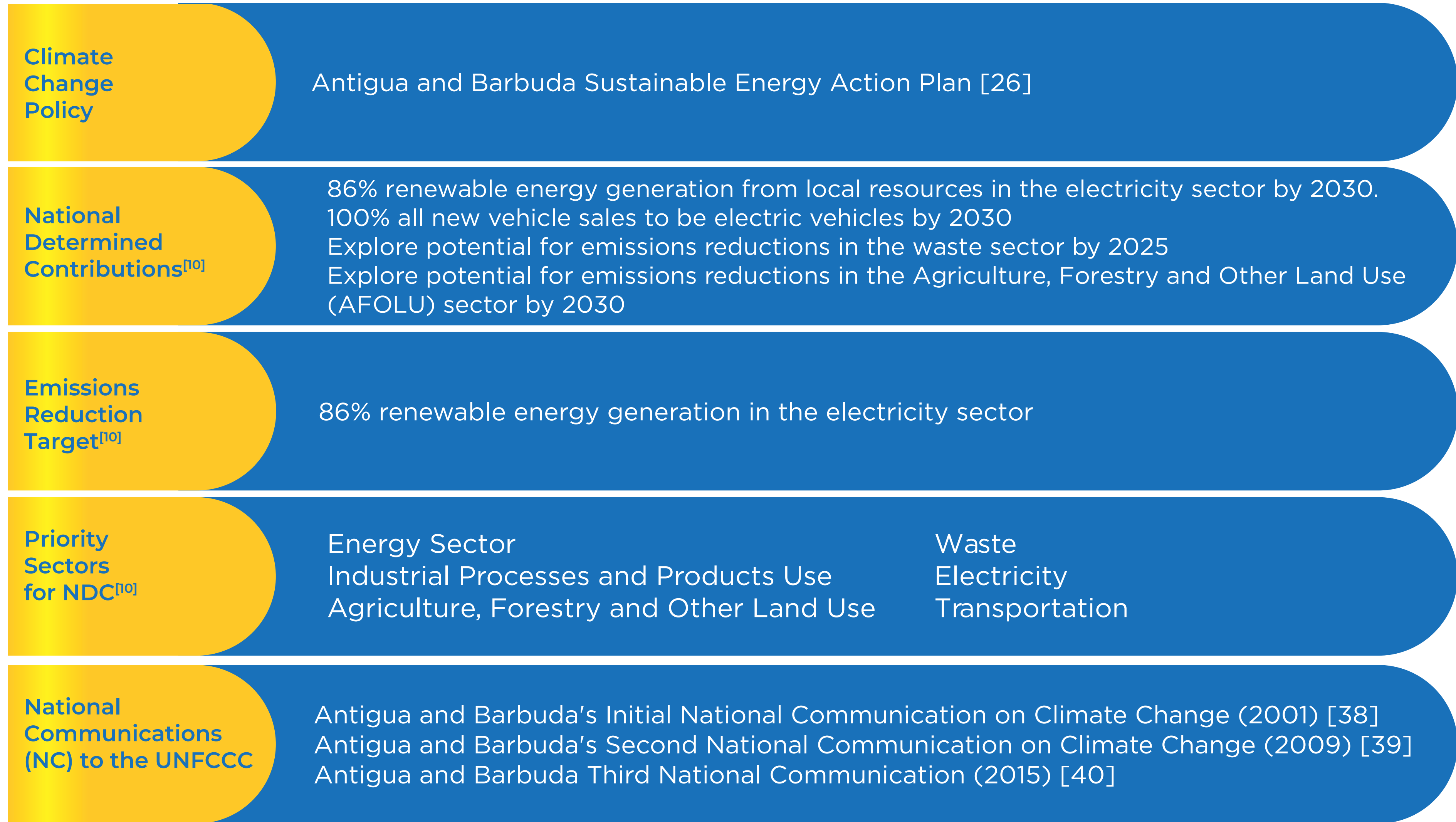


WORKFORCE
Data was not available
in the energy sector in 2021



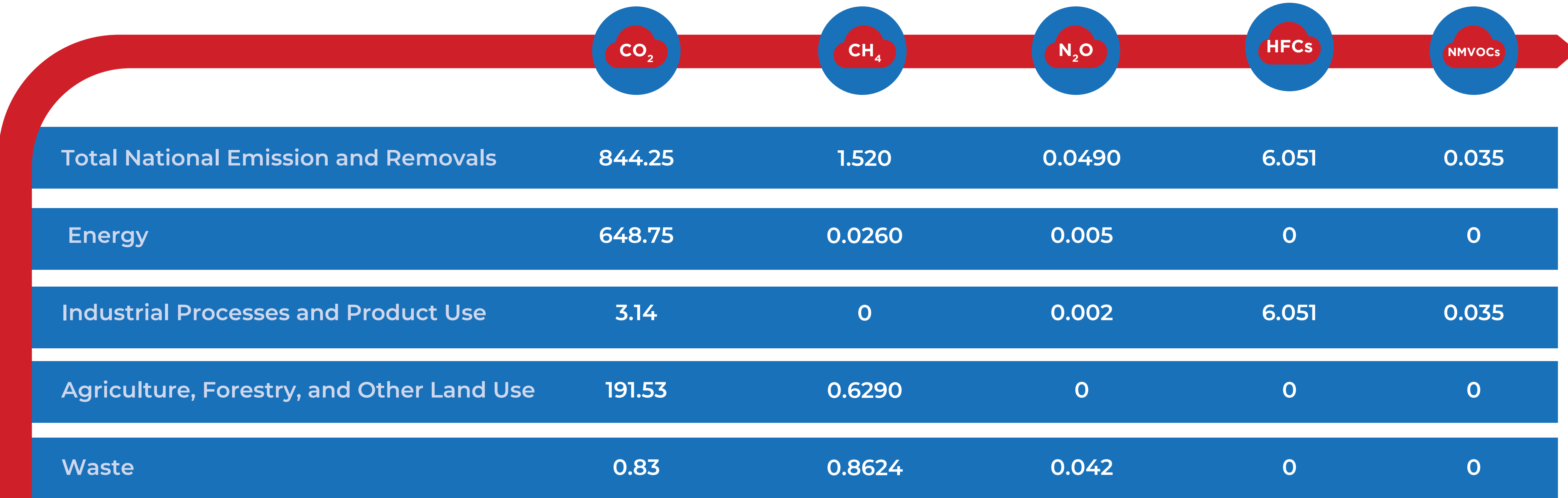
There were **23** Hybrid Vehicles and **1** Electric Vehicles in reported in 2021

10. The Transport Department has indicated that there are electric vehicles on the road, however the agency has indicated that their registration system does not distinguish vehicle types.



Summary of Antigua and Barbuda GHG Emissions and Removals (Gg) for 2015 ^[41]

Emissions (Gg CO2 Equivalents)



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