



2020 ENERGY REPORT CARD

GRENADA



CCREEE

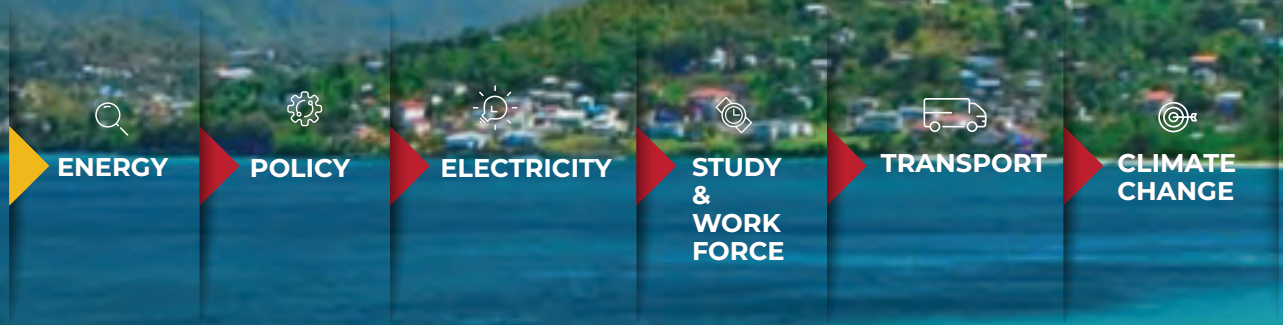
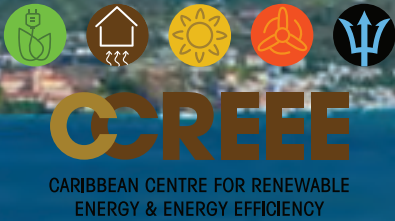
CARIBBEAN CENTRE FOR RENEWABLE
ENERGY & ENERGY EFFICIENCY

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2020 ENERGY REPORT CARD

INTRODUCTION

This document presents Grenada's Energy Report Card (ERC) for 2020. The ERC provides an overview of the energy sector performance in Grenada. 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.

ENERGY SECTOR SUMMARY

ENERGY

POLICY

ELECTRICITY

STUDY
&
WORK
FORCE

TRANSPORT

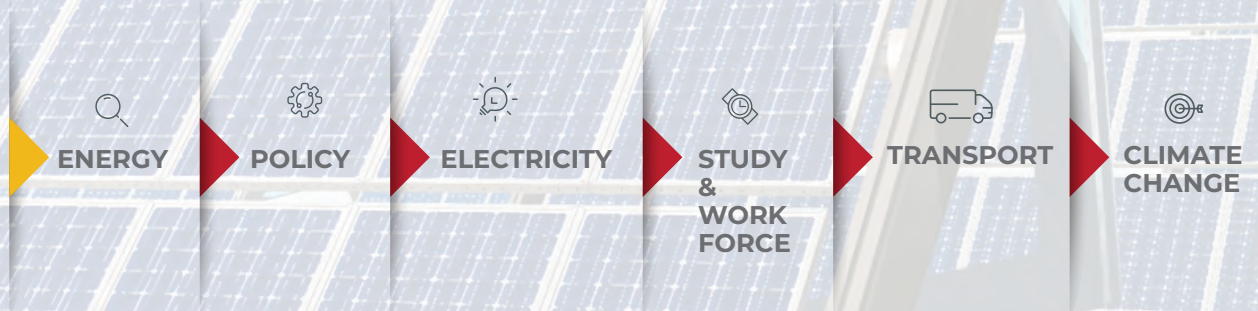
CLIMATE
CHANGE





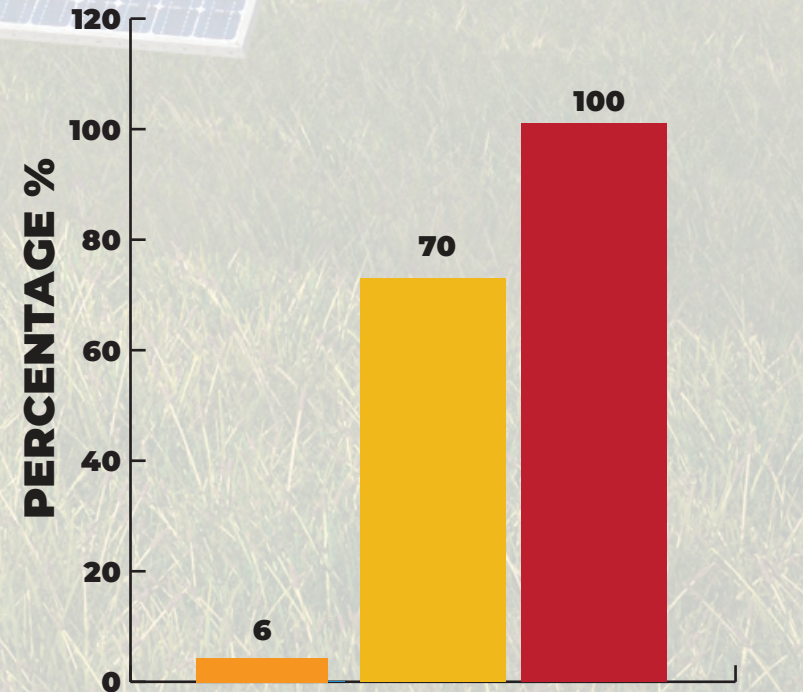
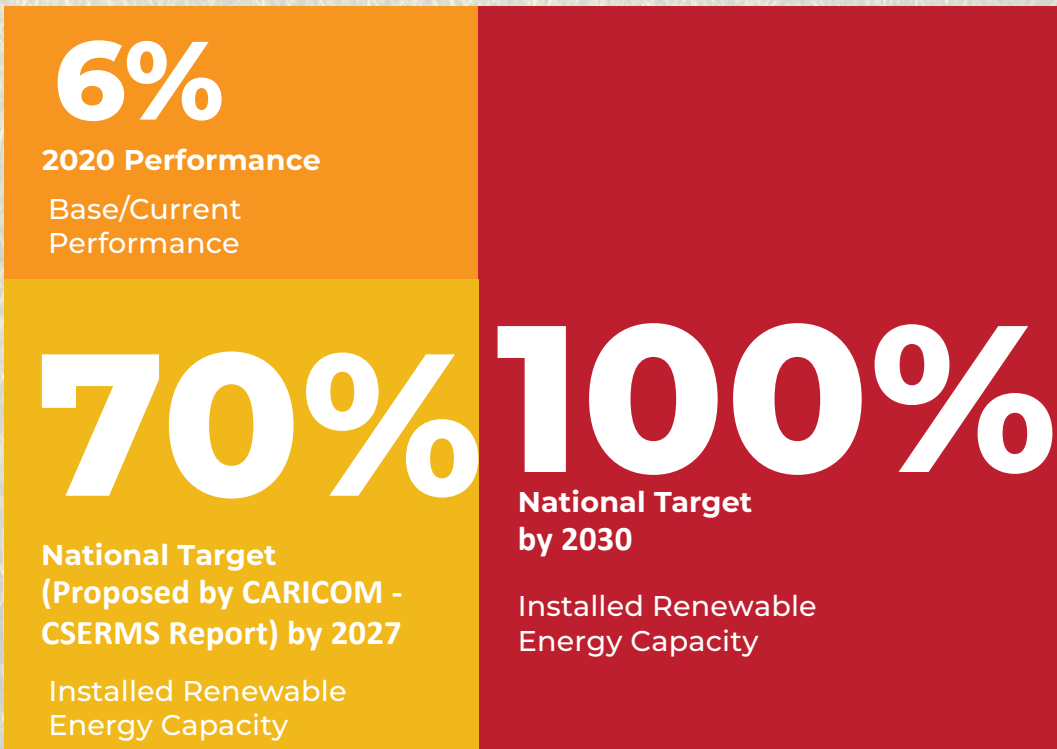
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RENEWABLE ENERGY PERFORMANCE AGAINST TARGETS

PERFORMANCE AGAINST TARGETS



Renewable Energy Performance Against Targets

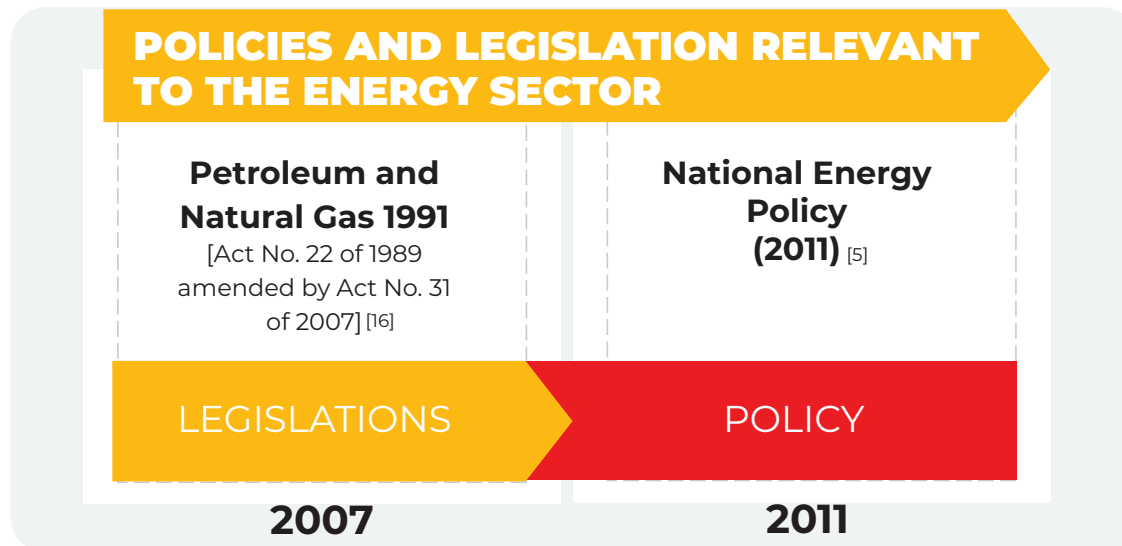
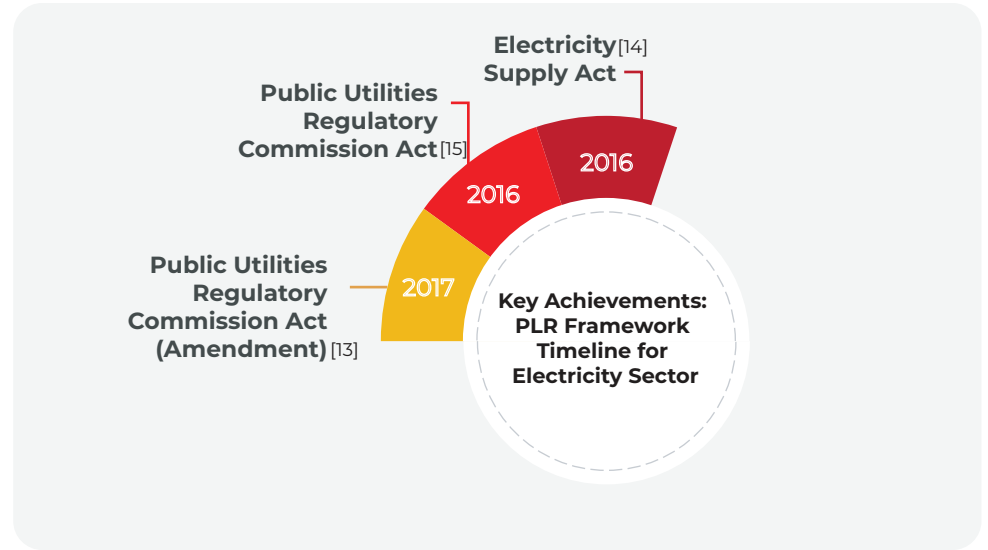
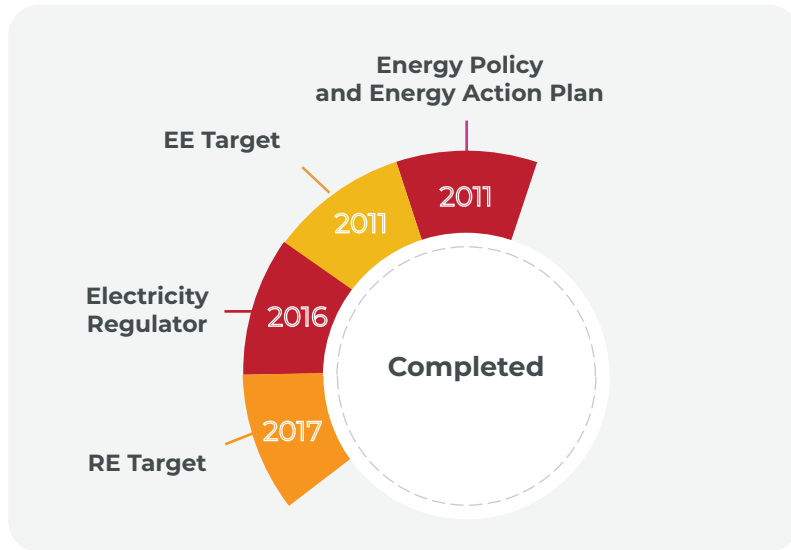
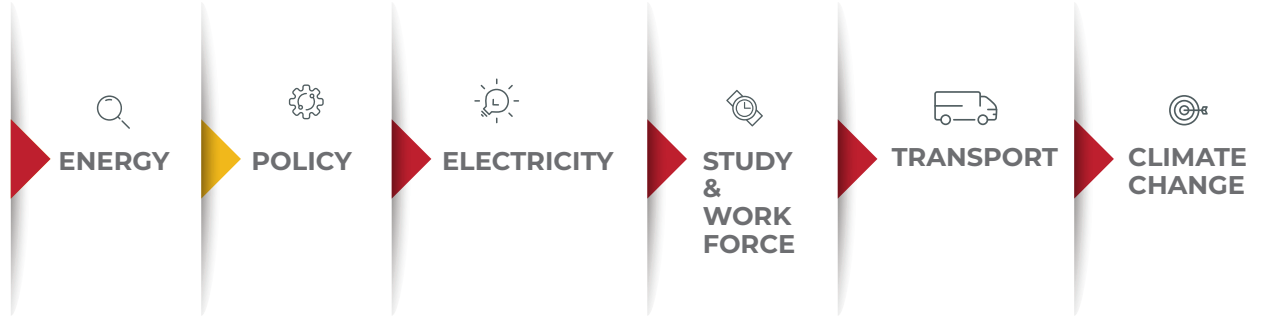
- 2020 Performance
- National Target (Proposed by CARICOM - CSERMS Report) 2027
- National Target by 2030

KEY ENERGY STAKEHOLDERS

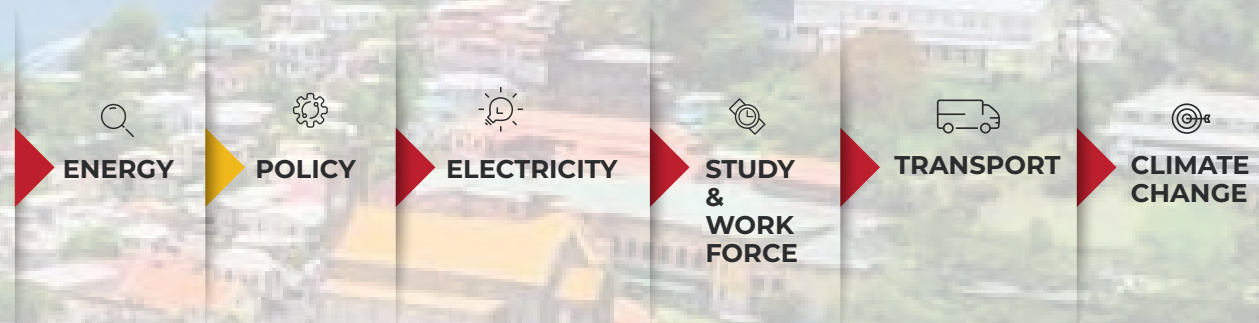


Government Ministries, Departments and Agencies	Ministry of Infrastructure Development, Public Utilities, Transport & Implementation Ministry of Climate Resilience, The Environment, Forestry, Fisheries & Disaster Management ^[10]	Independent Power Producer	NONE
Fuel Suppliers	RUBIS GRENADA ^[11] SOL EC LTD ^[11] SPICE GAS ^[11]	Electricity Regulator	Public Utilities Regulatory Commission ^[12]
Electric Utility	Grenada Electricity Services Limited ^[8]	Transportation	Ministry of Infrastructure Development, Public Utilities, Transport & Implementation ^[10]
		Other	Grenada Geothermal Project ^[11]

POLICY, LEGAL AND REGULATORY (PLR) FRAMEWORK

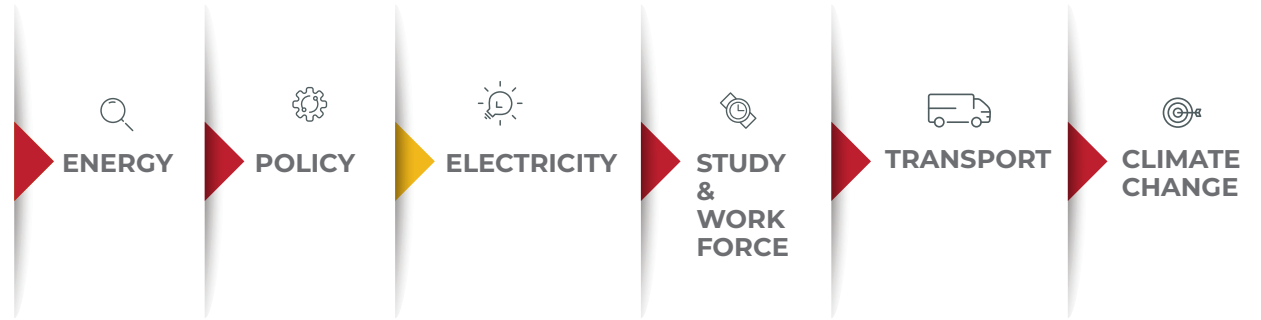


POLICY, LEGAL AND REGULATORY (PLR) FRAMEWORK

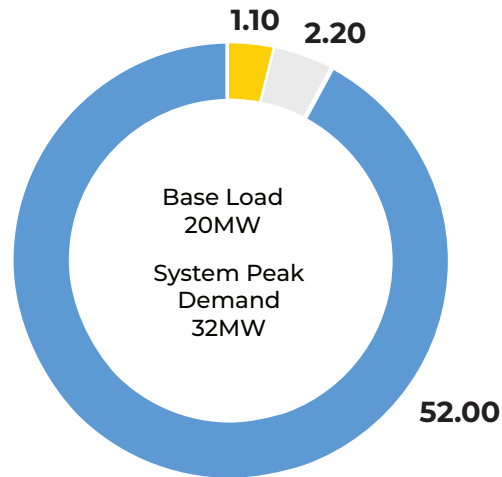


**NO POLICIES OR LEGISLATIONS WERE NOTED
FOR THE TRANSPORTATION SECTOR**

ELECTRICITY & ENERGY EFFICIENCY

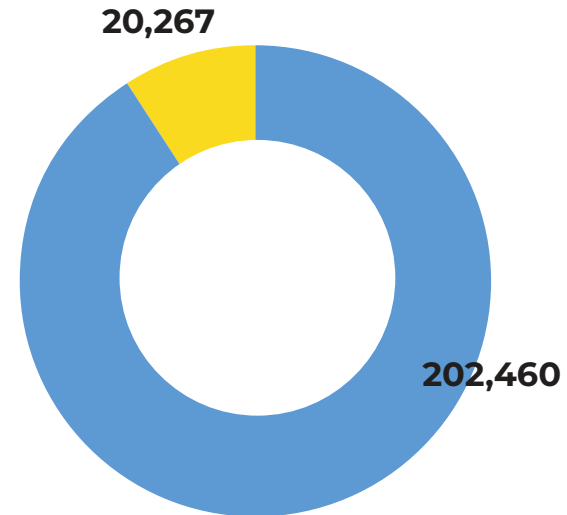


INSTALLED CAPACITY (MW)



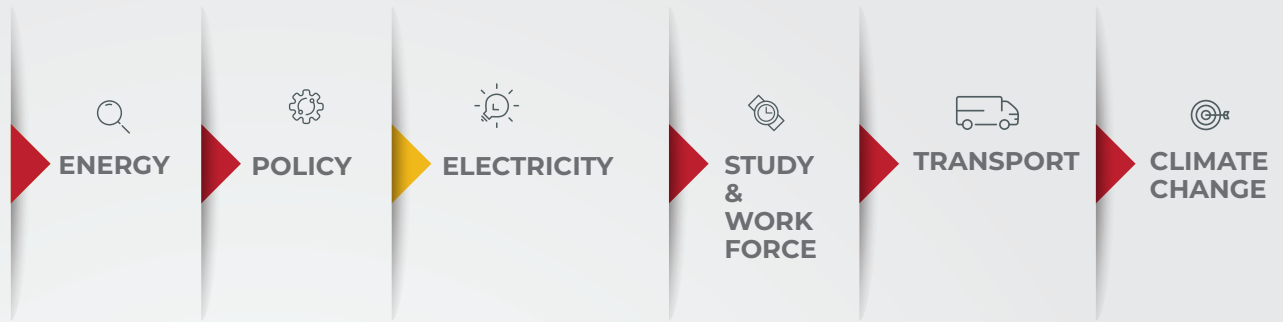
- Electric Utility-Diesel
- Electric Utility
- RE Capacity- Residential and Commercial/Distributed Generation

ENERGY CONSUMPTION (MWh)



- Total Sales
- Losses

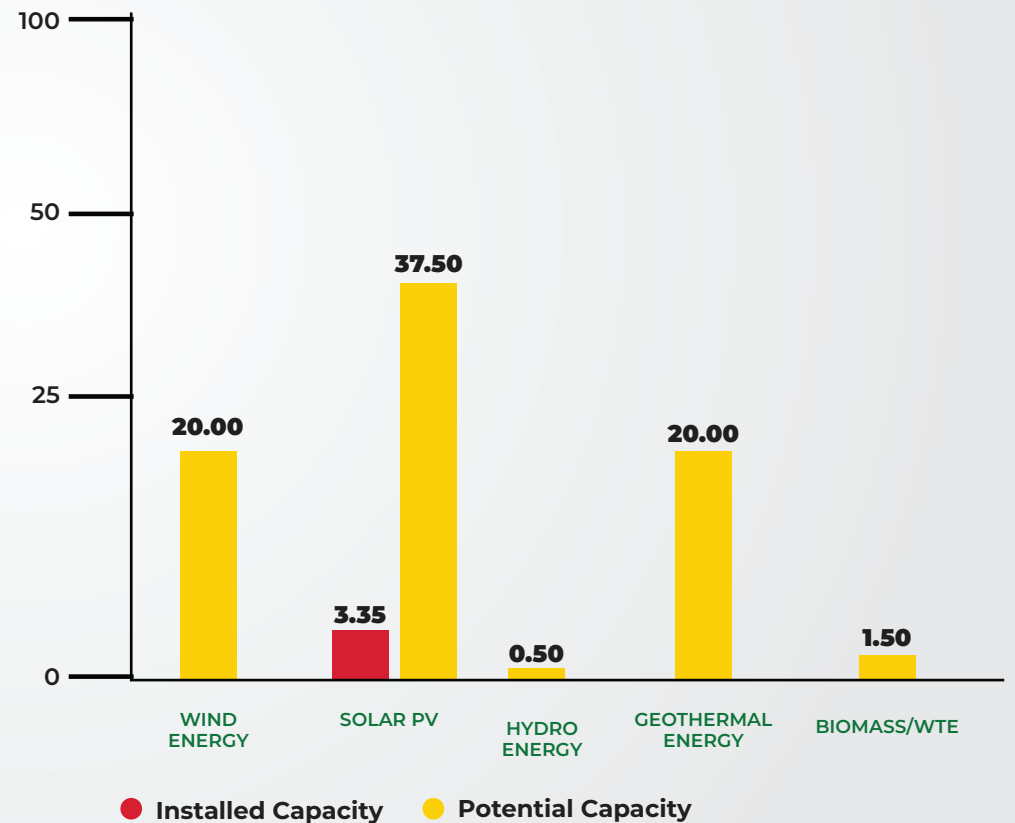
ELECTRICITY & ENERGY EFFICIENCY



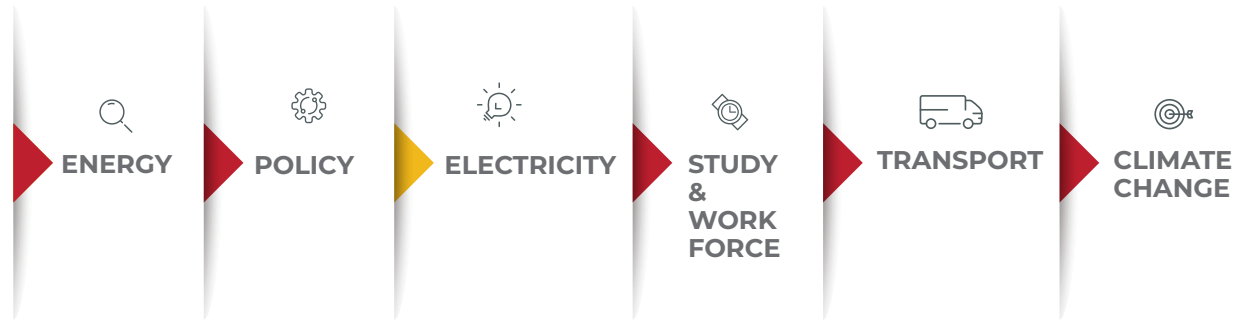
ELECTRICITY TARIFFS

RATE CLASS	TARIFF INCLUDING SURCHARGE/ (US\$/kWh)
RESIDENTIAL	0.27
COMMERCIAL	0.28
INDUSTRIAL	\$0.24
STREETLIGHTS	0.26

RENEWABLE ENERGY RESOURCES (MW)



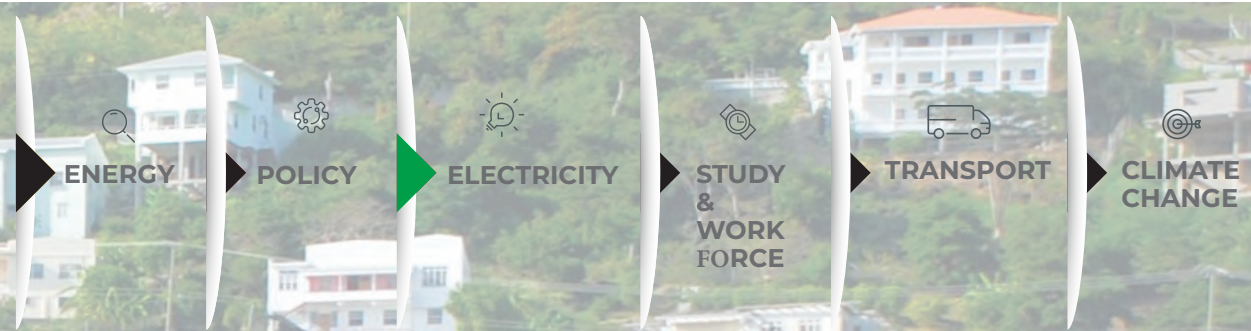
PROJECTS IN THE PIPELINE



TECHNICAL ASSISTANCE PROJECTS

DONOR FUNDING AND TECHNICAL ASSISTANCE LANDSCAPE	DONOR ORGANIZATION & BANKS	FUNDING AWARDS	YEAR
"INTEGRATED PHYSICAL ADAPTATION AND COMMUNITY RESILIENCE PROJECT: THE FUNDS WILL BE USED TO ENABLE THE PUBLIC SECTOR, CIVIL SOCIETY ORGANISATIONS, NON-GOVERNMENTAL ORGANISATIONS AND COMMUNITIES TO GRANT RESOURCES FOR CLIMATE CHANGE ADAPTATION AND VULNERABILITY ACTIVITIES"	GRANT FUNDS FROM THE GREEN CLIMATE FUND	US \$750,000	2020

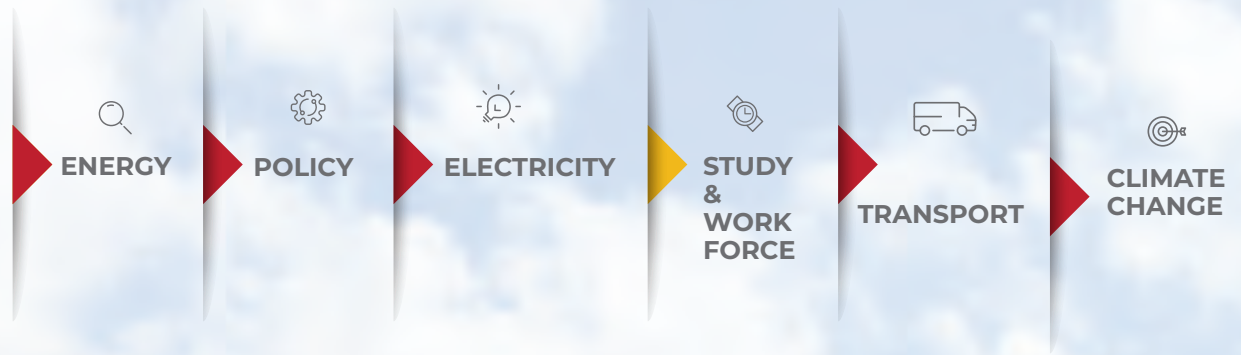
PROJECTS IN THE PIPELINE



RENEWABLE ENERGY PROJECTS

RENEWABLE ENERGY SOURCE	RESOURCE AND PROJECTS CAPACITY	DEVELOPMENT PARTNER	TOTAL ESTIMATED COST	FUNDING SOURCE
SOLAR PHOTOVOLTAIC PLUS BATTERY	600 kW WITH 300 kW STORAGE	Not Available	US \$3.2 MILLION	GRANT UNDER THE UAE-CARIBBEAN RENEWABLE ENERGY FUND (UAE-CREF)

TERTIARY PROGRAMMES OFFERED

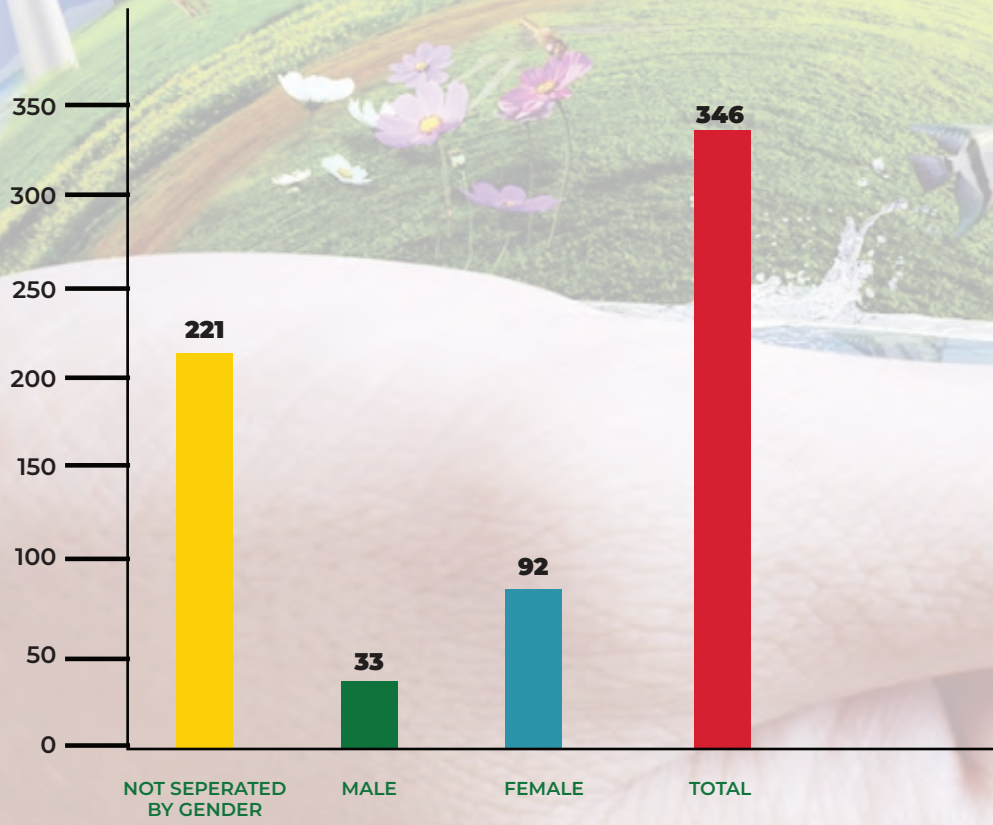
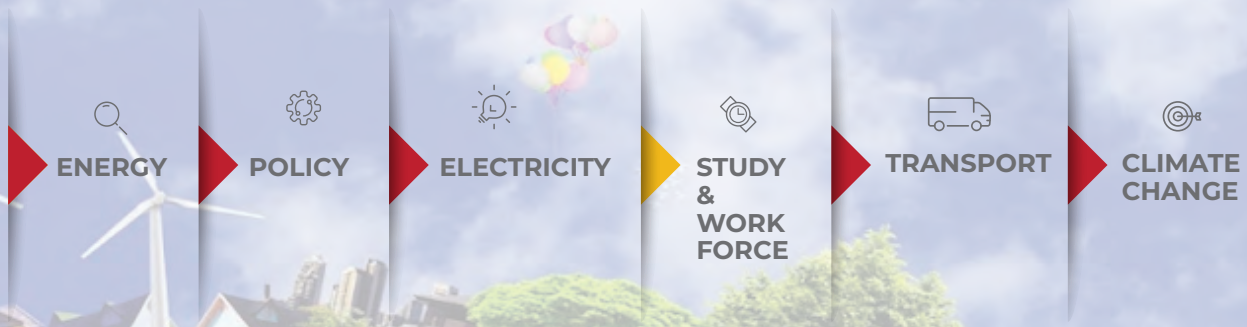


GRENADA SOLAR ENERGY TECHNICAL RESEARCH INSTITUTE

VOCATIONAL/ PROFESSIONAL CERTIFICATE

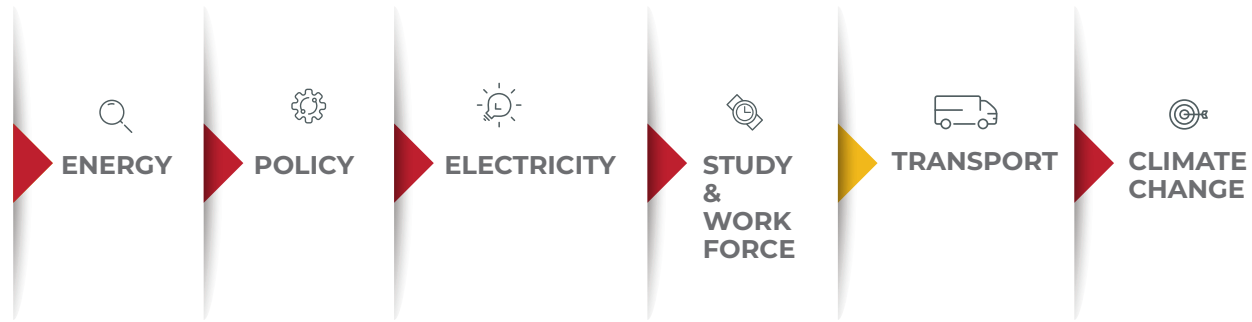
	PERSONS ENROLLED	PERSONS GRADUATED
CARIBBEAN VOCATIONAL QUALIFICATION	26	17

WORKFORCE

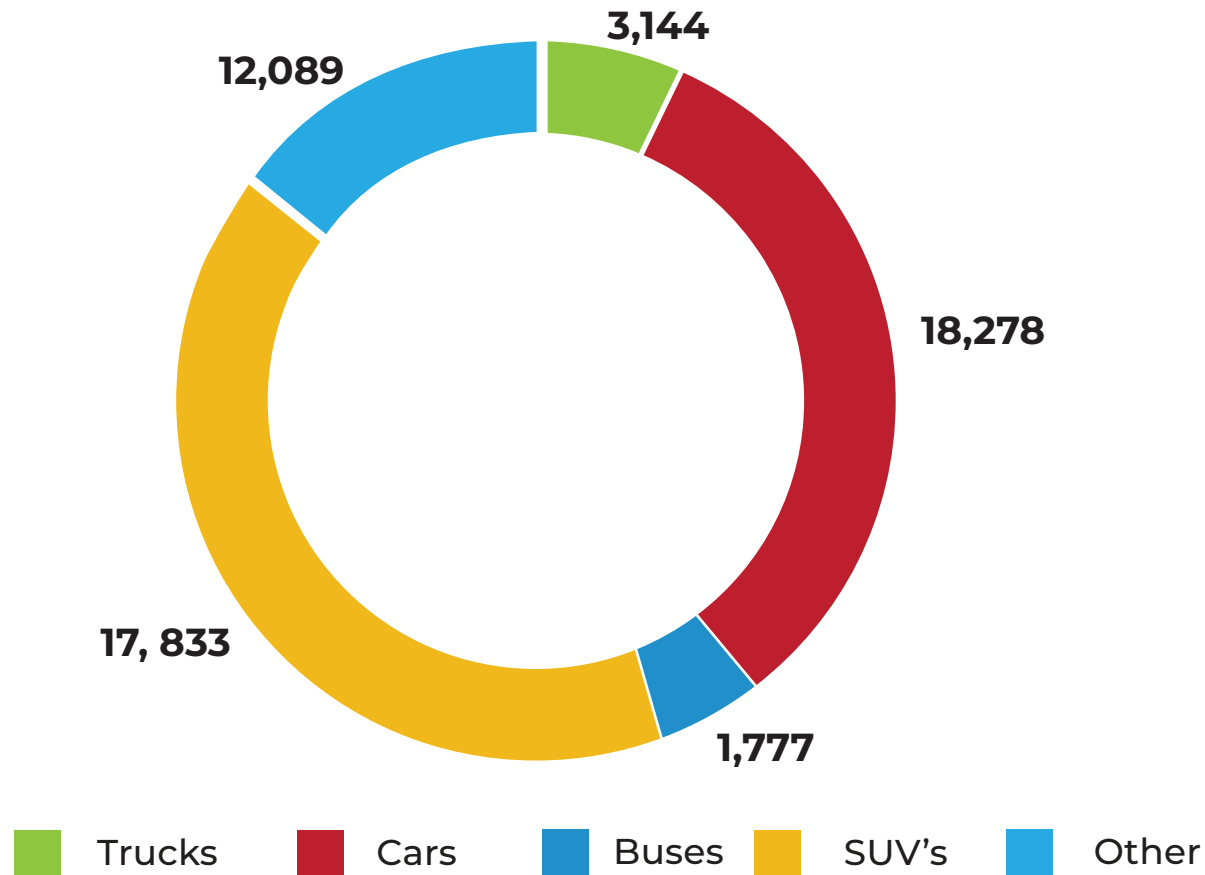


THE DATA PRESENTED IS BASED ON 2019 INFORMATION.

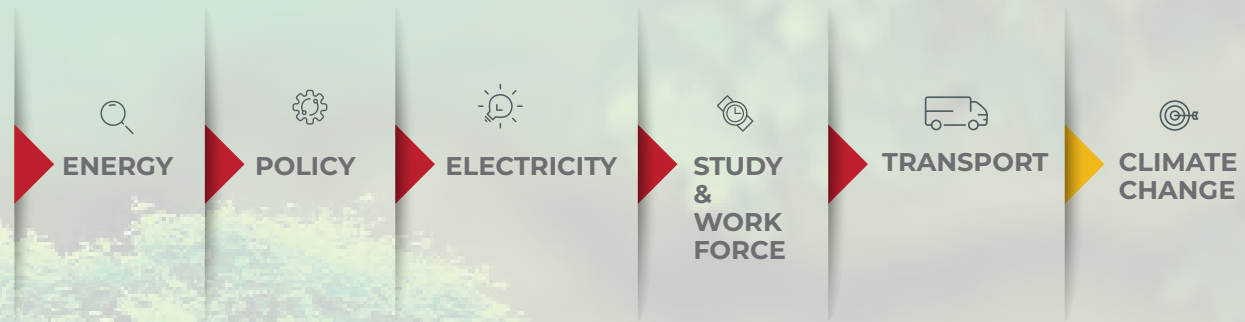
TRANSPORTATION SECTOR



REGISTERED VEHICLES



CLIMATE CHANGE FRAMEWORK



NATIONAL CLIMATE CHANGE POLICY FOR GRENADA, CARRIACOU AND PETITE MARTINIQUE 2017-2021 ^[9]

NATIONAL DETERMINED CONTRIBUTIONS:

The Government of Grenada has committed itself at the COP 21 (Paris), with the submission of the Nationally Determined Contributions.

The main aims of Grenada's NDC are as follows:

1. Reduce carbon dioxide (CO₂) emissions from the power sector by 40% by 2030.
2. Reducing emissions from land transport 20% by 2025
3. Using methane capture technologies for reducing waste management emissions by over 90%.
4. Doubling carbon storage in areas for protected forest by for example, planting indigenous (faster growing) species ^[6]

PRIORITY SECTORS FOR NDCs

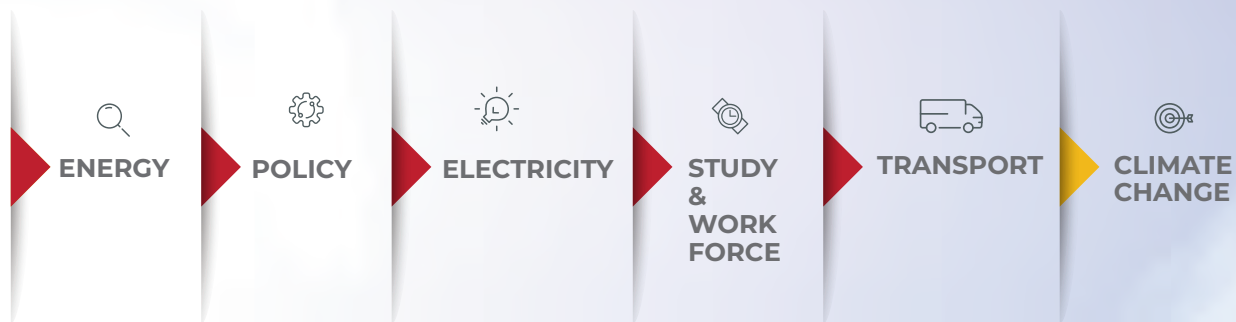
Electricity,
Transport, Waste,
Forestry

NATIONAL COMMUNICATIONS (NC) TO THE UNFCCC:

Grenada's Initial Communication to the UNFCCC ^[17]

Grenada, Carriacou and Petite Martinique Second National Communication to the United Nations Framework Convention on Climate Change. ^[18]

CLIMATE CHANGE FRAMEWORK

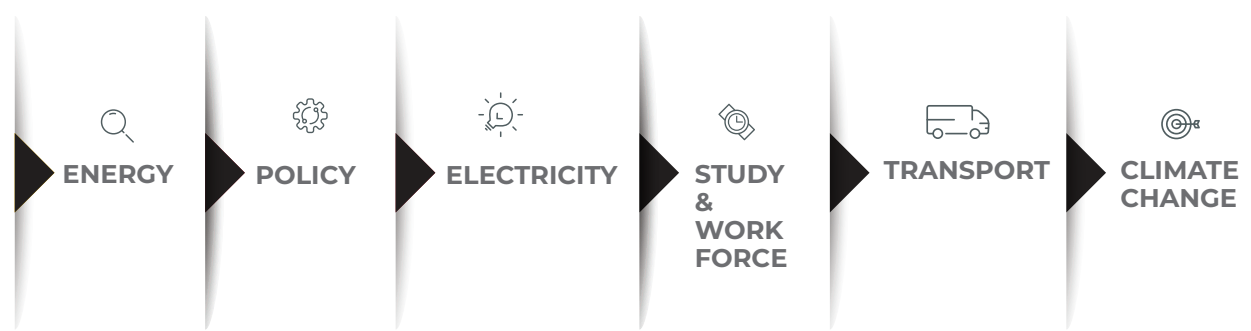


SUMMARY OF GRENADA GHG EMISSIONS BY POLLUTANT (GG) FOR 2014 [18]

ESTIMATED EMISSIONS BY POLLUTANT 2000-2014 (Gg CO ₂ e)				
CATEGORIES	CO ₂ e	CH ₄	N ₂ O	
ENERGY	128.30			
MANUFACTURING INDUSTRIES & CONSTRUCTION	4.60			
DOMESTIC	116.20			
COMMERCIAL	33.20			
OTHER	3.20			
TOTAL	285	2.70	4.00	

Gg represents giga grams*

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