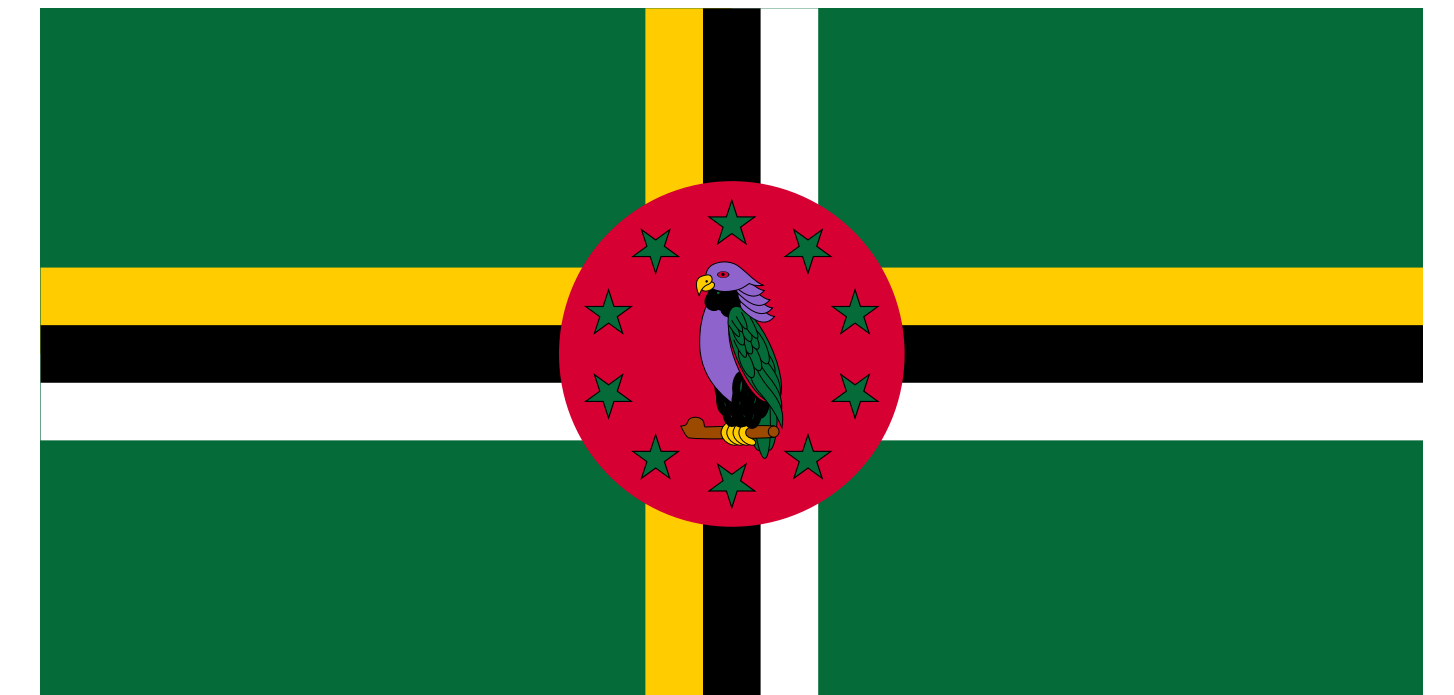


DOMINICA

ENERGY REPORT CARD (ERC) FOR 2021



INTRODUCTION

This document presents Dominica's Energy Report Card (ERC) for 2021.

The ERC provides an overview of the energy sector performance in Dominica. 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.



Dominica Climate Resilience and Recovery Plan 2020 - 2030 (2020)^[5]

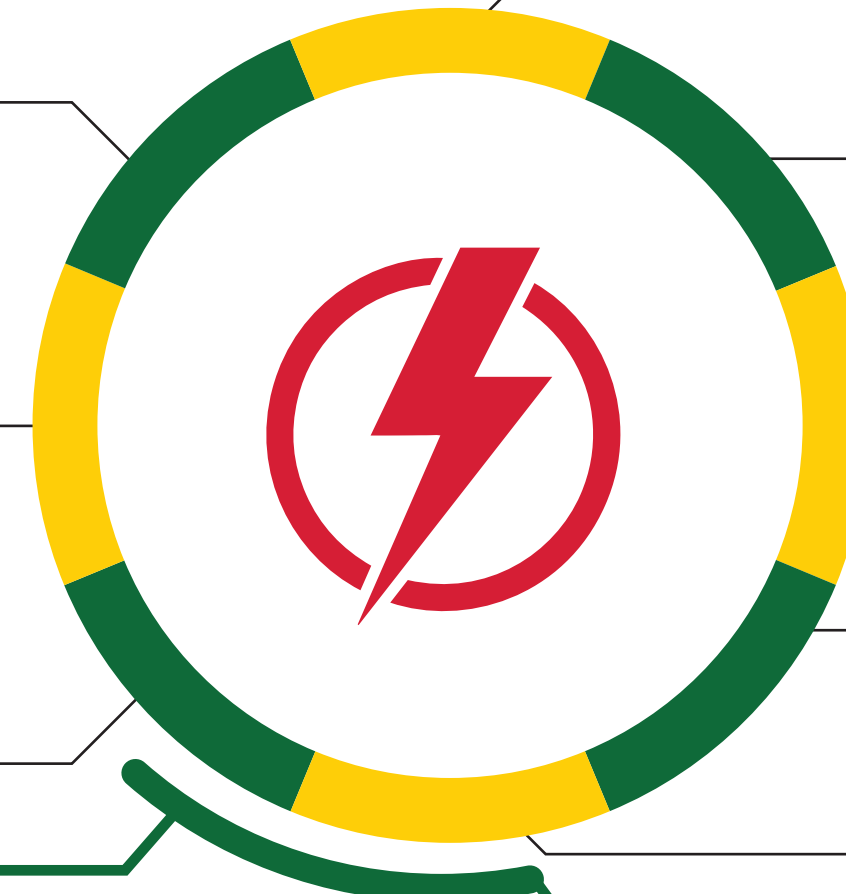
National Development Plan/
Overall Country Development Strategy


National Energy Policy (2021)^[6]

National Energy Policy

Distributed Renewable Energy Generation Policy (2016)^[7]

Renewable Energy (RE) Policy



72,376^[1]
POPULATION (CENSUS/PROJECTION) 

\$7,560^[2]
GDP (USD) PER CAPITA 

100.78%^[3]
Debt as % of GDP 

0.720^[4]
Human Development Index 

100% by 2030^[8]
RE Target 

Energy Performance Standards/Appliance Labelling^[9]

Performance Standards	Labelling Standards
DNS IEC 62552 -1:2015 - Household refrigerating appliances - Characteristics and test methods - Part 1: General requirements	DNS CRS 58: 2018 - Energy Labelling - Compact Fluorescent Lamps & Light Emitting Diodes Lamps - Requirements
DNS IEC 62552-2:2015 - Household refrigerating appliances - Characteristics and test methods - Part 2: Performance requirements	DNS CRS 59: 2019 - Energy Labelling - Air Conditioners - Requirements
DNS IEC 62552-3:2015 - Household refrigerating appliances - Characteristics and test methods - Part 3: Energy consumption and volume	
DNS IEC 62612: 2013 - Self-Ballasted LED Lamps for General Lighting with Supply Voltages >50V- Performance Requirements ¹	
DNS IEC 60969: 2016 - Self-Ballasted Compact Fluorescent Lamps for General Lighting Services-Performance Requirements	













National Determined Contributions (NDC)

To reduce emissions by 45% below 2014 levels by 2030^[13]

Climate Change Policy

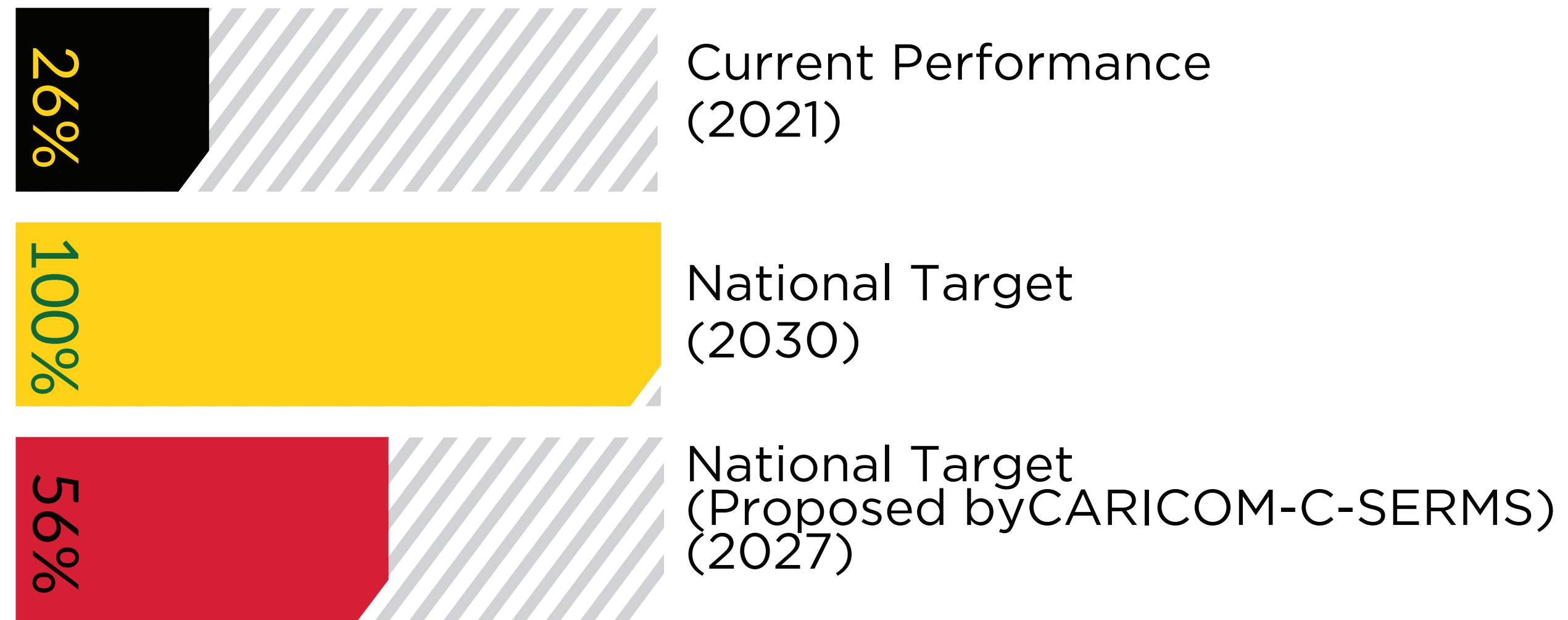
National Climate Change Policy and Action Plan (2019-2024)^[12]

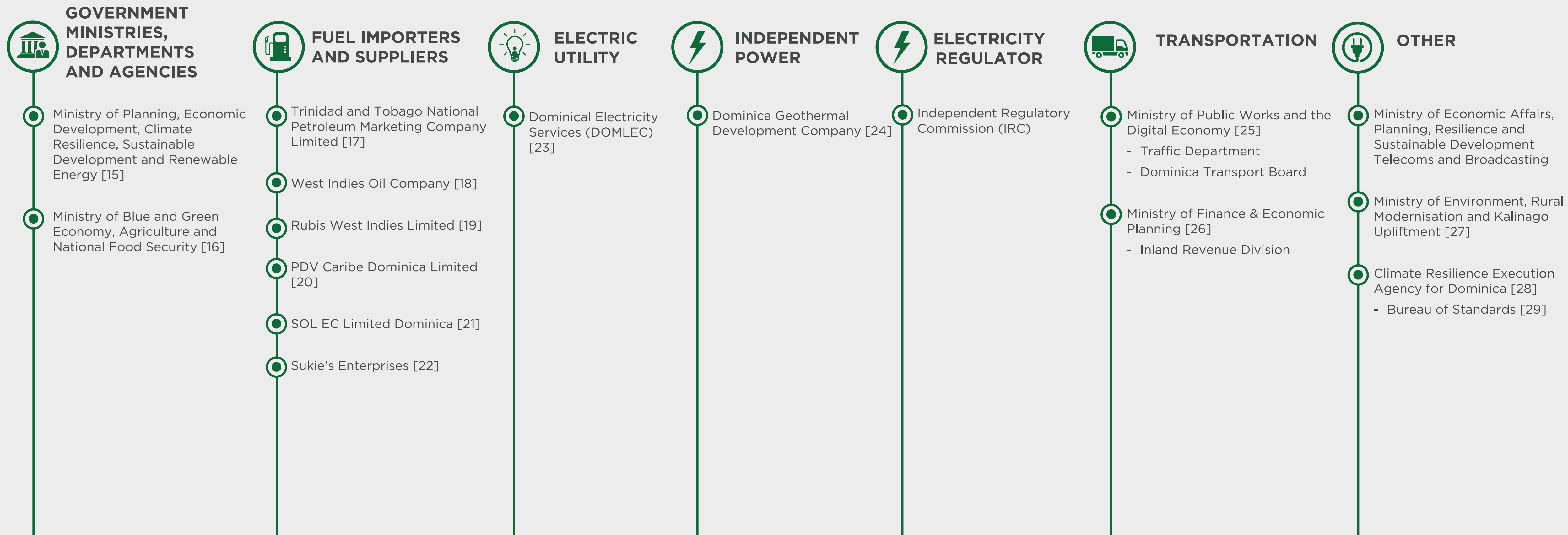
Dominica Climate Resilience and Recovery Plan 2020 - 2030 (2020)^[5]

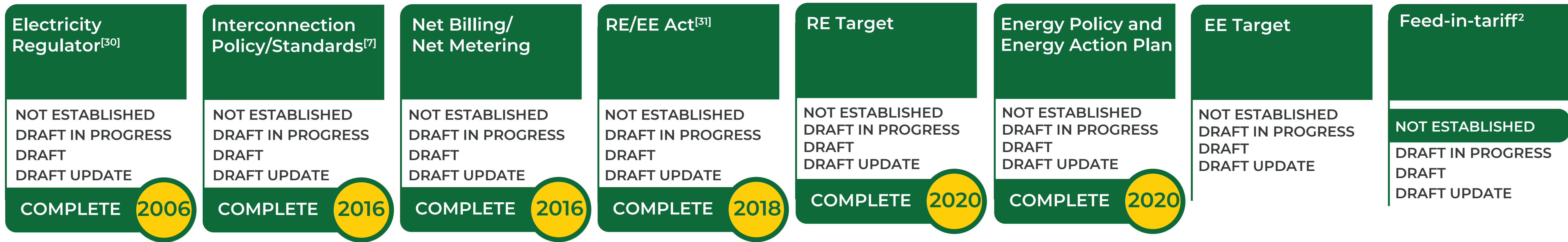
	No. of Persons Employed in Energy Sector	398
	Total Installed Conventional Capacity (MW)	20.1
	Total Installed RE (MW)	7.06^[8]
	Electricity System Losses (%)	8.1%^[11]
	Energy Use (kWh) Per Capita	1,233.24^[8]
	Fuel and Oil Imports as % of GDP	19%
	Oil Imports as % of GDP	Not Available
	Electric Vehicle Stock	None¹
	Total Oil Import (BOE) per day	1.29^[10]
	Total Oil Export (BOE) per day	Not Applicable
	Energy Intensity (BTU/\$)	Not Available
	National Repository for Energy Data	None

1. It was indicated by the Inland Revenue Department that there were no Electric Vehicles recorded for 2021 [26]

RE as % of Installed Capacity







2. While persons may be interconnected to the grid and sell electricity to the utility, there is no feed-in-tariff.

Policies and Legislation Relevant to the Energy Sector

KEY ACHIEVEMENTS

PLR Framework Timeline For Electricity Sector



2006	Electricity Supply Act No. 10 [32]
2016	Distributed Renewable Energy Generation Policy [7]
2016	Geothermal Resources Development Act No. 12 [33]
2017	Geothermal Resources Development (Commencement) Order 2017 [34]
2021	National Energy Policy (2021) [35]
Draft	Environmental and Planning Regulations for Renewable Energy [11] [13]
Draft	Geothermal Development Bill [11] [13]

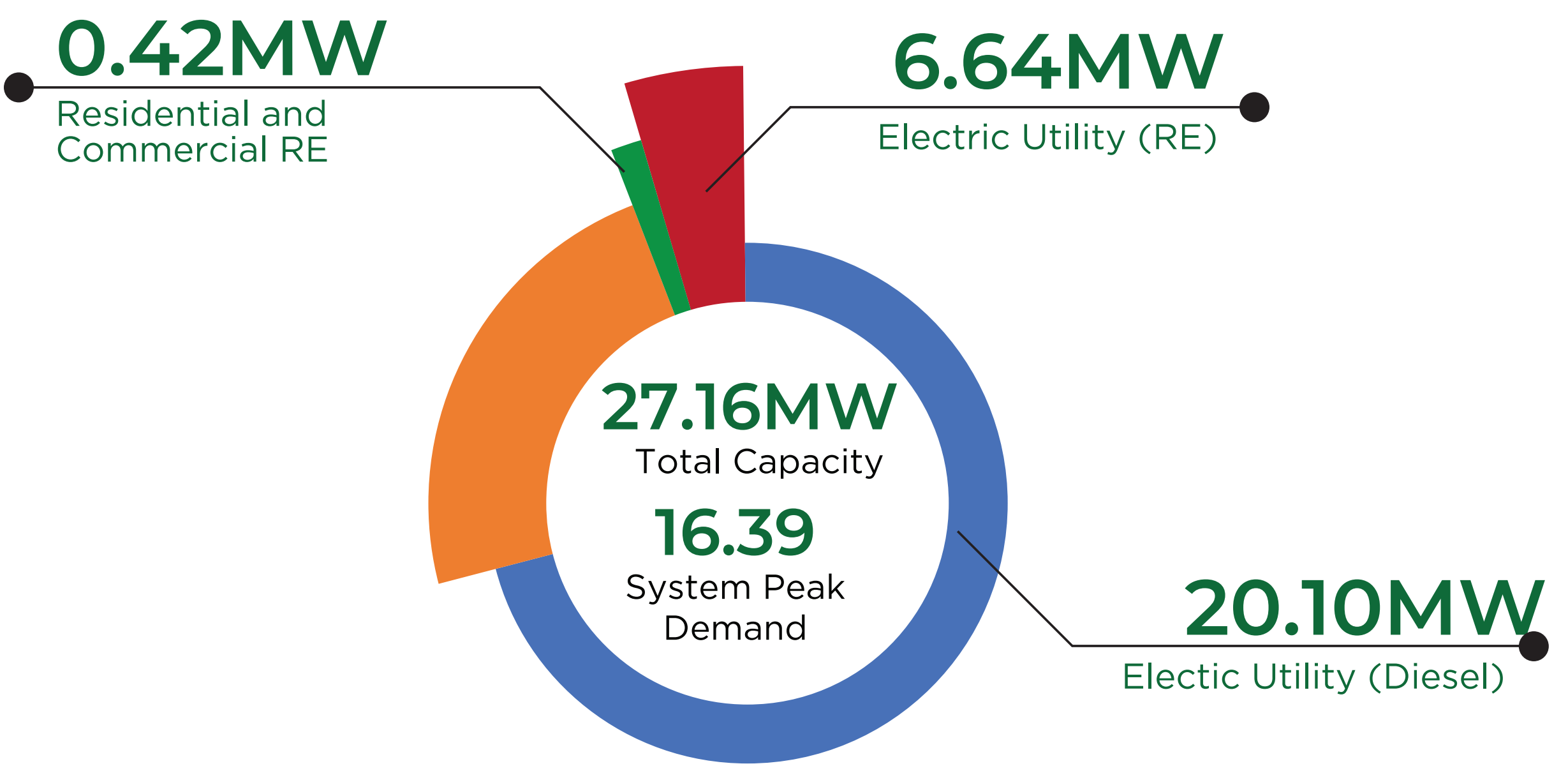


LEGISLATION & REGULATION

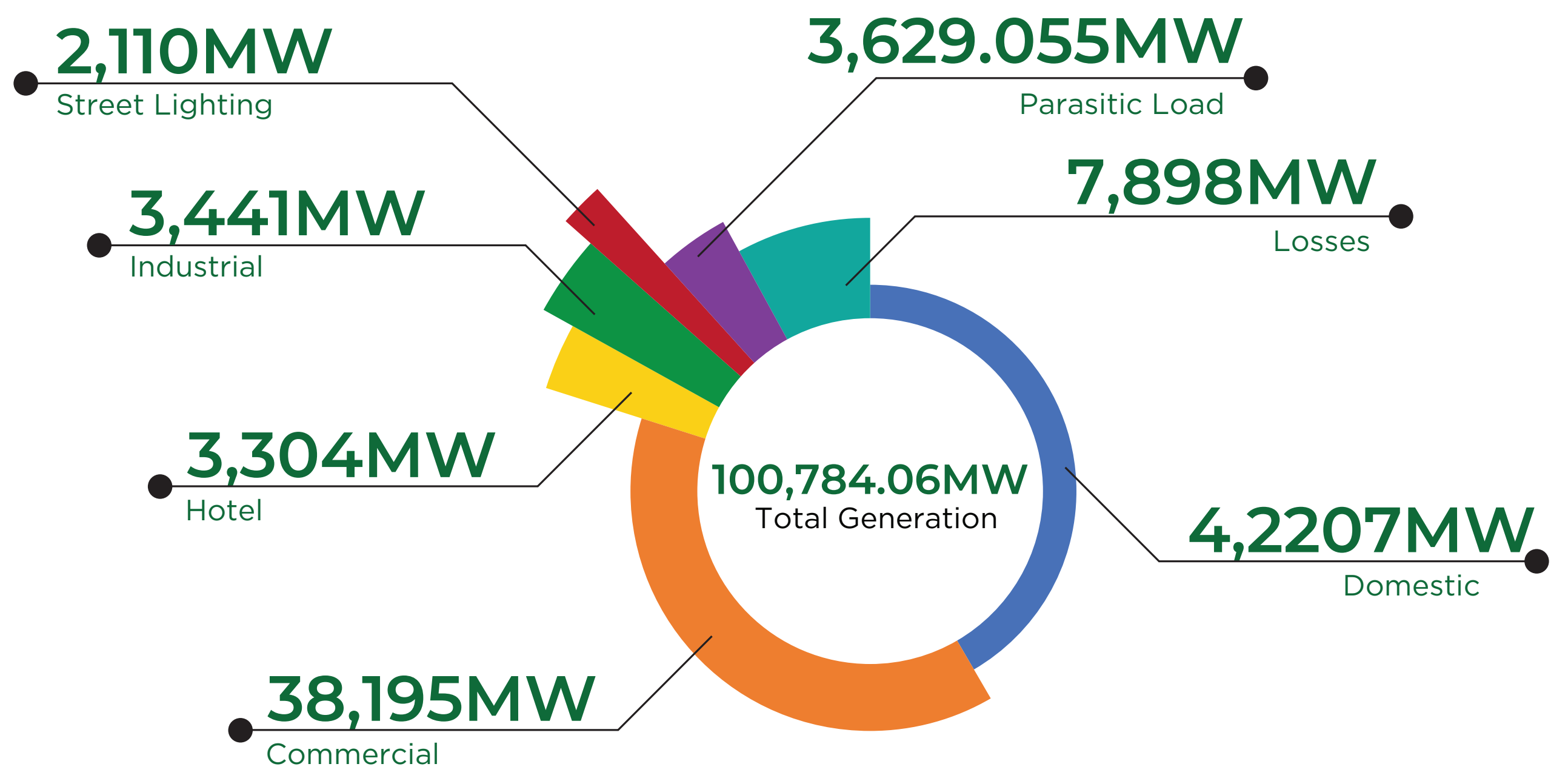
Electrical Vehicle Duty Free Importation ^[38]

Environmental Levy on Vehicles ^[38]

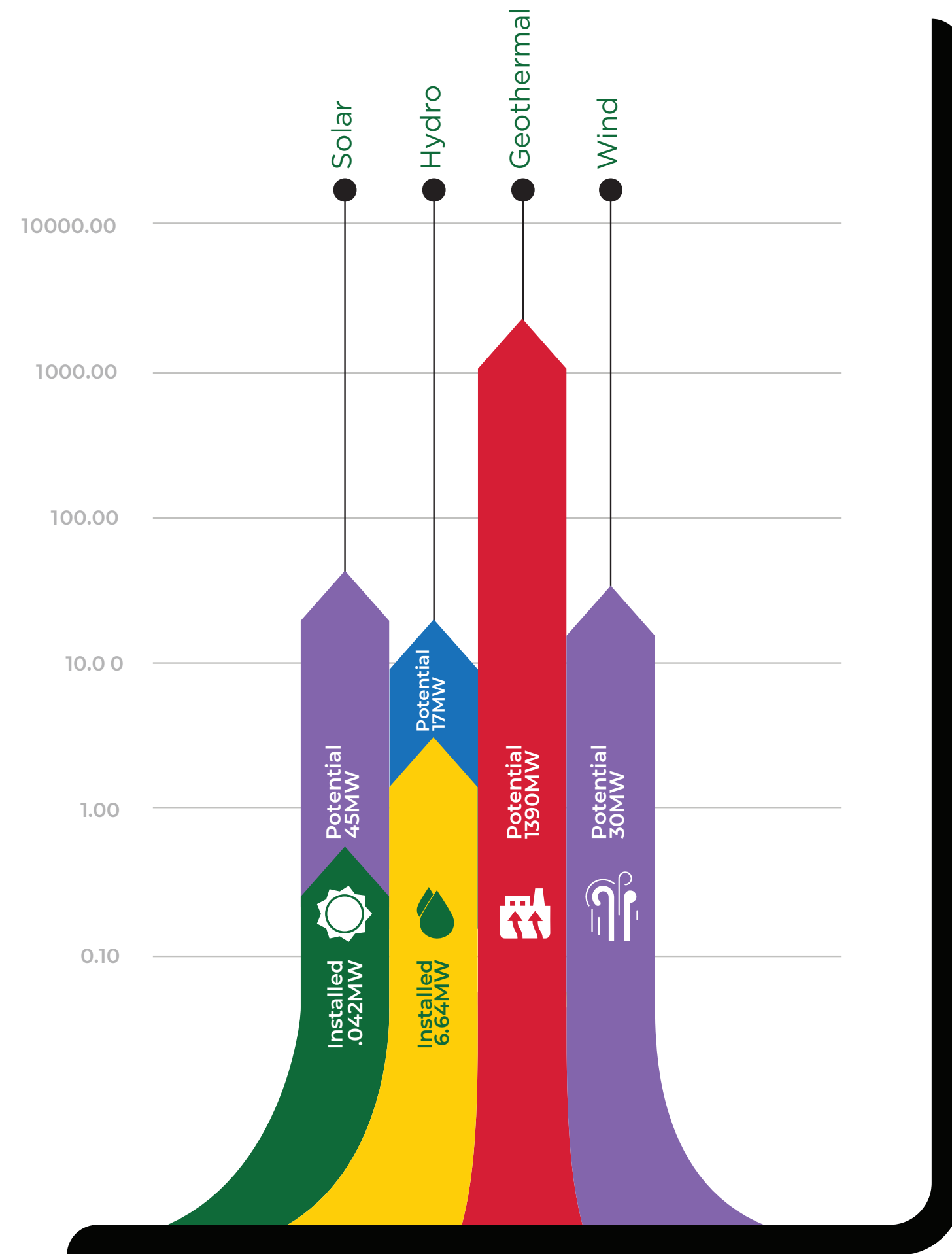
Installed Capacity (MW)



Energy Consumption (MWh)



Renewable Energy Capacity (MW)

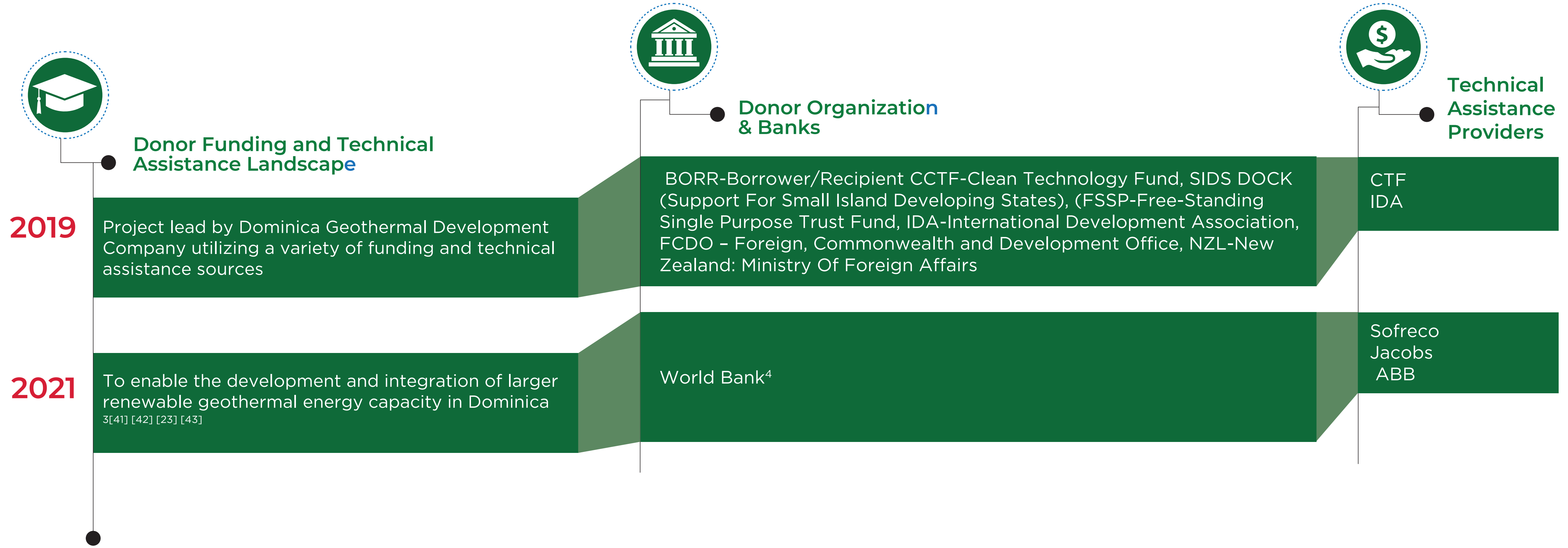


Electricity Tariffs^[23]

RATE CLASS	CONSUMPTION (kWh)	TARIFF INCLUDING SURCHARGE / (US\$/kWh)
RESIDENTIAL TARIFF		\$0.21
COMMERCIAL		\$0.26
INDUSTRIAL/ LARGE POWER	Between 6 AM and 10 PM:	\$0.23
	Between 10 PM and 6 AM:	\$0.21
HOTELS		\$0.23
STREETLIGHTS		\$0.096

10. A monthly fuel surcharge rate is applied to the final monthly bill for all rate classes and 16% VAT on all units consumed over 150 kWh for domestic customers while 16% VAT on all units for all other rate classes.
 11. Rate per month
 12. Rate per month

Technical Assistance Projects



3. Funding not yet secured for upgrade of interconnectors from 11 kV to 33 kV. New 33 kV line connecting Laudat to Trafalgar to Padu Power Station then to Fond Cole. New 69 kV line from Laudat to Fondcole, to Sugar Loaf/ Portsmouth. Four microgrids to support critical loads in key areas.
4. Funding has not been allocated as yet, but it is in the pipeline [41].

Energy Efficiency Projects




ENERGY EFFICIENCY

STREET LIGHTING^[8]

PUBLIC BUILDINGS^[42]

Old/Existing Infrastructure (Number/Size)	218 Units	6 Government buildings - Financial Centre, Government Headquarters, Post office building, Windsor Park Sports Stadium, National Centre for Testing Excellence, Office of Disaster Management
Consumption (kW) Ask if estimated or measured	2,110,000	n/a
Annual Costs (USD)	Not available	USD\$ 775,000
Energy Audits (Yes/No)	No	Yes (2019)
Energy Efficiency Legislation or Regulations	Electricity Act #10 of 2006	n/a
Energy Service Companies (Yes/No)	No	No
Change in Old/Existing Infrastructure Expected in Upcoming Calendar Year (Number/Size)	Unkown	Based on funding
Expected Change in Technology	LED Technology Adopted Now with Slow	Based on funding
Relative Difference in Operating Consumption/Costs	Significant reduction in Energy Consumption	

Renewable Energy Projects



SOLAR PHOTO-VOLTAIC^[8]

OWNERSHIP
Public

CAPACITY
5kW

DEVELOPMENT PARTNER
Not yet Known

COST (USD)
~10

FUNDING SOURCE
Grant Funding



SOLAR PHOTO-VOLTAIC^[42]

OWNERSHIP

CAPACITY
30kW

DEVELOPMENT PARTNER
Caribbean Community
Climate Change Centre

COST (USD)

FUNDING SOURCE
Government of Italy
and CARICOM



GEO THERMAL^[8]

OWNERSHIP
Government Owned IPP
- DGDC

CAPACITY
5-10kW

DEVELOPMENT PARTNER
World Bank/Public/Other
International Donors

COST (USD)
>40.5

FUNDING SOURCE
Grant/Concessionary
Loans/Public



HYDRO^[8]

OWNERSHIP
Utility

CAPACITY
~6.0

DEVELOPMENT PARTNER
European Investment Bank/Public
/Other International Donors

COST (USD)
>20

FUNDING SOURCE
Grant/Concessionary
Loans/Public



BATTERY STORAGE^[8]


OWNERSHIP
Government Owned IPP
- DGDC

CAPACITY
5 MW/2.5 MWh

DEVELOPMENT PARTNER
MASDAR/Public

COST (USD)
US\$50M

FUNDING SOURCE
Grant/Concessionary
Loans/Public



WASTE-TO ENERGY^[8]

OWNERSHIP
IPP - Dominica Waste
Management Company

CAPACITY
~3 to 7

DEVELOPMENT PARTNER
World Bank/Public/
Other International Donors

COST (USD)
UNKNOWN

FUNDING SOURCE
Grant/Concessionary
Loans/Public

Dominica State College

Electronic Engineering, Telecommunications
& Renewable Energy Technology

No. of Persons Enrolled	0
<hr/>	
No. of Persons Graduated	0

Dominica State College

Electrical Engineering Technology

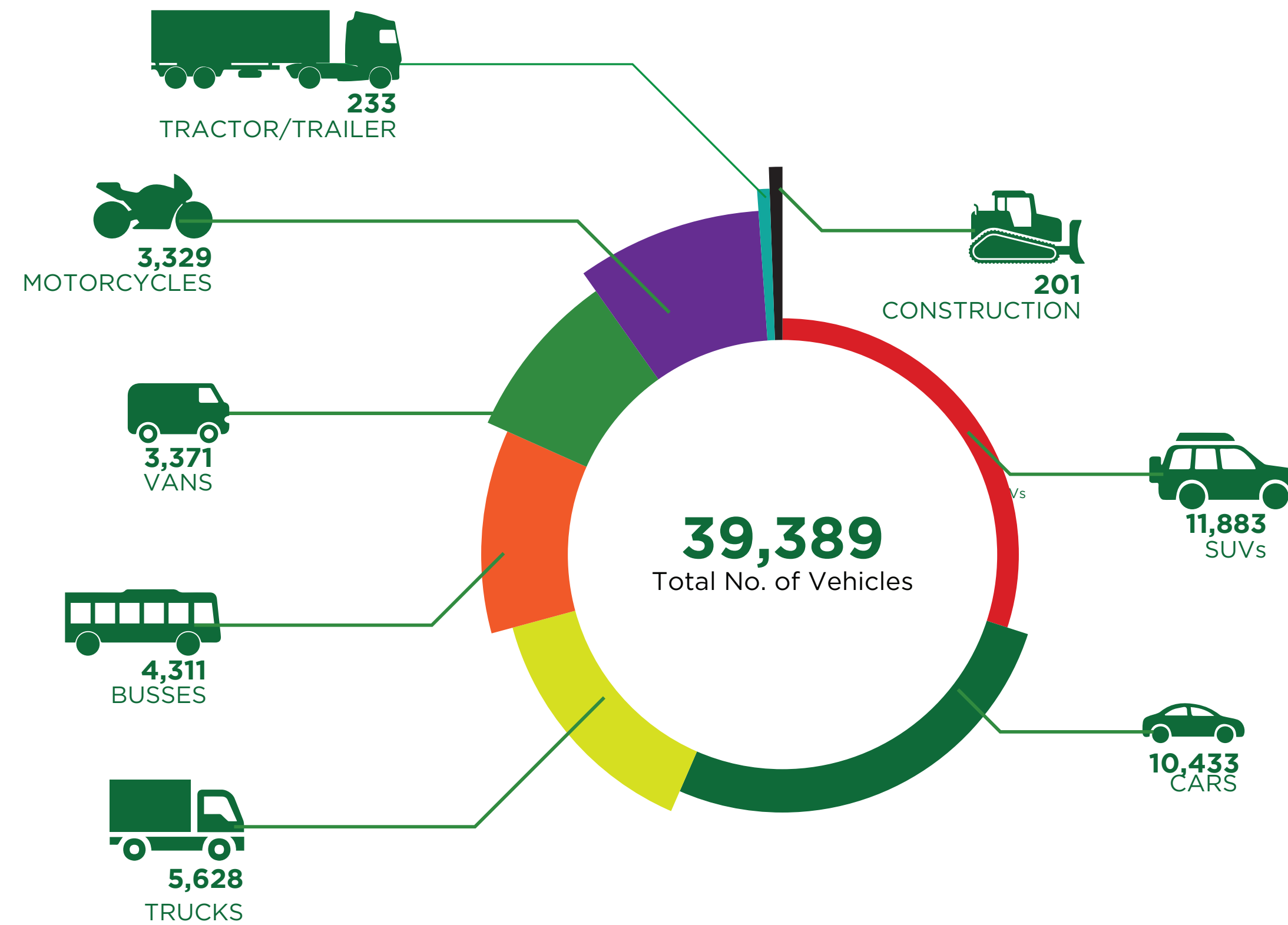
No. of Persons Enrolled	20
<hr/>	
No. of Persons Graduated	1



Persons Employed in the Energy Sector



Registered Vehicles

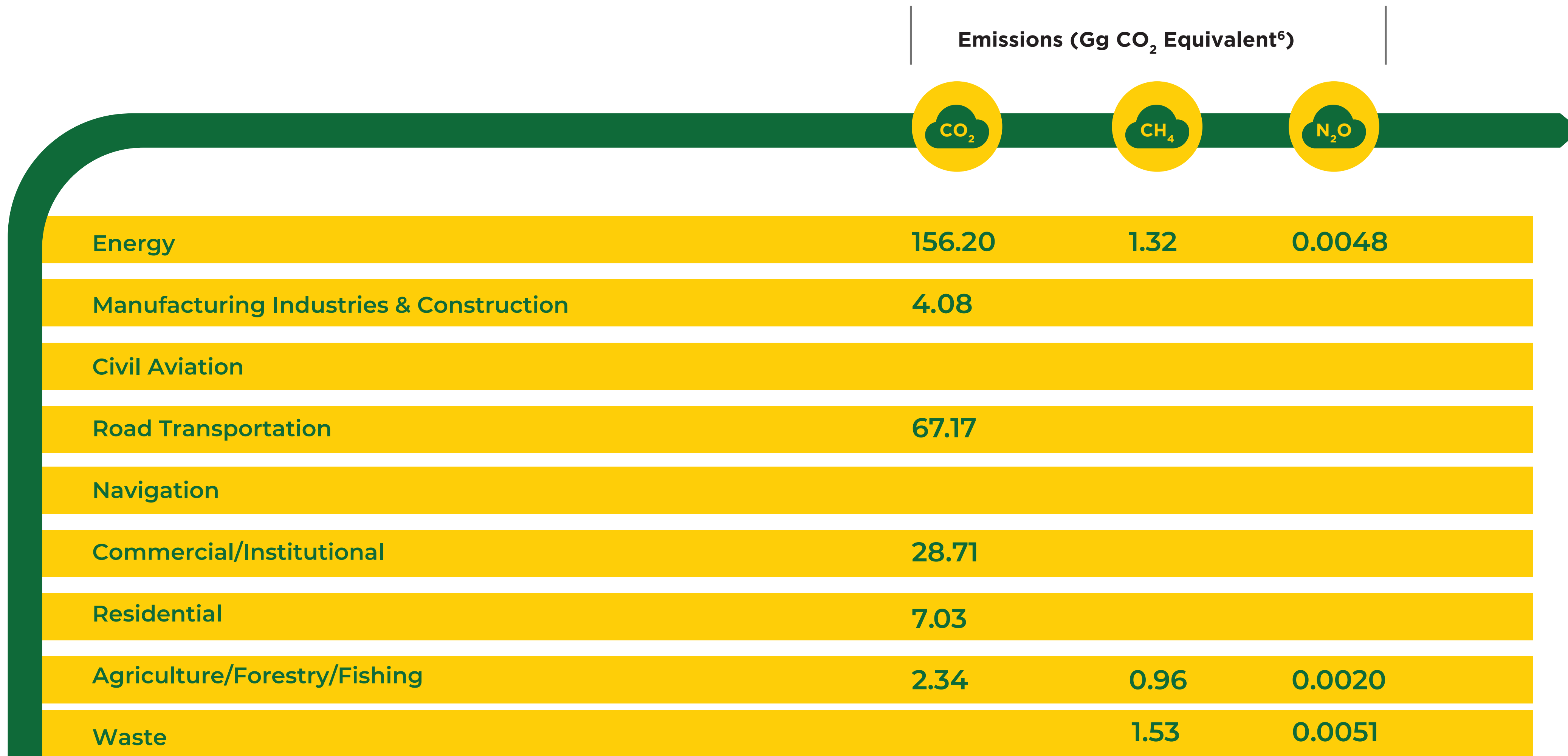


There were no recorded Electric Vehicles in 2021



Summary of Dominica's GHG Emissions and Removals (Gg) for 2017 ^[54]

Emissions (Gg CO₂ Equivalent⁶)



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