



2019 ENERGY REPORT CARD

MONTSERRAT



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UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

INTRODUCTION

This document presents Montserrat's Energy Report Card (ERC) for 2019.

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

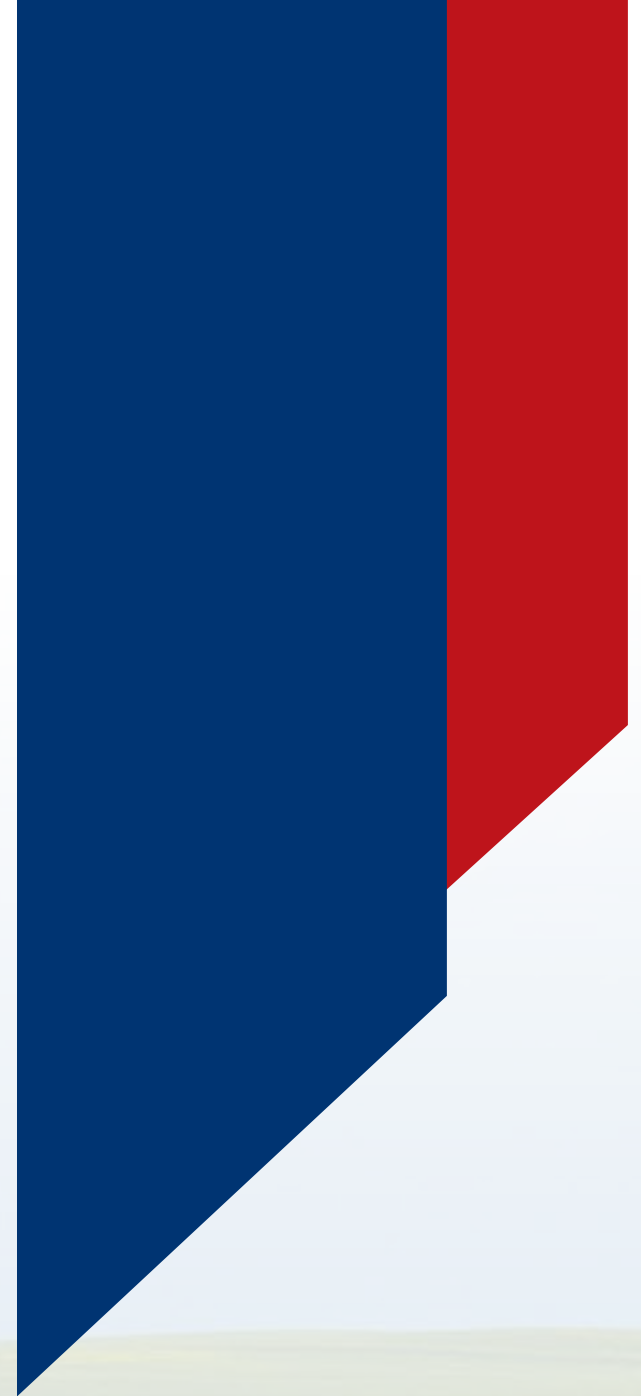
This ERC includes data and information that was provided by government ministries, agencies, or departments, with responsibility for energy, utilities, and statistical offices.

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.

CONTENTS







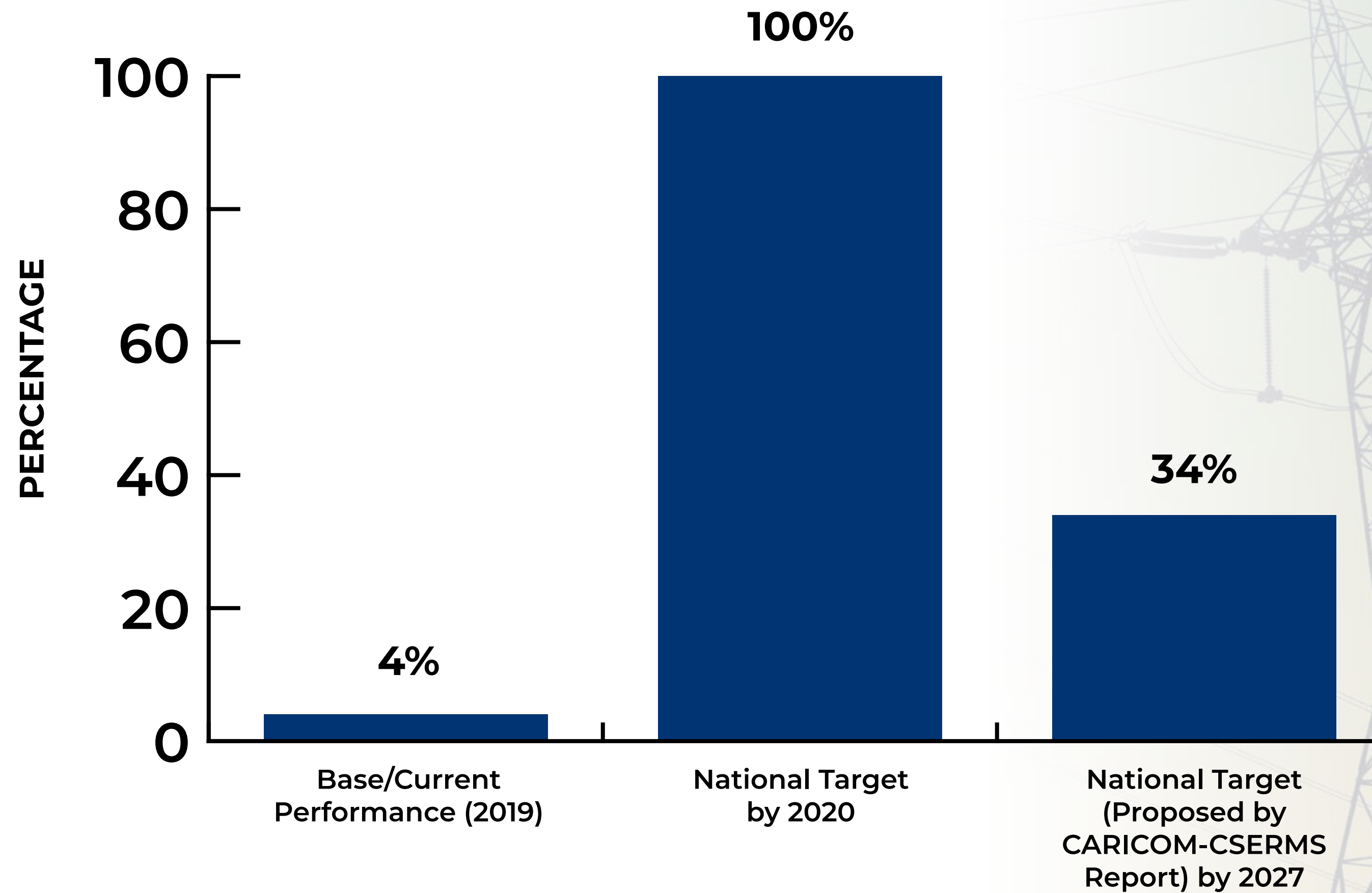
ENERGY SECTOR SUMMARY

Key Data and Information - Energy Sector	
Population	4,519 [1]
GDP (USD) Per Capita	13,487 [2]
Debt as % of GDP	6.7% [3]
Human Development Index (2018)	Not Available [4]
National Development Plan/Overall Country Development Strategy	Economic Growth Strategy and Delivery Plan for Montserrat [5]
National Energy Policy	The Power to Change: The Montserrat Energy Policy 2016 – 2030 [6]
Renewable Energy (RE) Policy	None
RE Target	100% by 2020 [6]
Energy Performance Standards/Appliance Labelling	None
No. of Persons Employed in Energy Sector	70 [7]
Total Oil Import (BOE) per year	145.3 [8]
Total Oil Export (BOE) per year	0 [8]
Total Oil Production per year	0 [8]
Total Installed Capacity (MW)	6.1 [9]
Total Installed RE (MW)	0.25 [9]
Electricity System Losses (%)	12% [9]
Energy Use (kWh) Per Capita	3,137 [9]
Fuel and Oil Imports as % of GDP	7.7% [8]
Climate Change Policy	National Climate Change Policy for Montserrat (2015 Draft) [10]
Electric Vehicle Stock	4 [8]
National Determined Contributions (NDC)	Not Available [11]
National Repository for Energy Data	None



ENERGY SECTOR PERFORMANCE AGAINST TARGETS

RENEWABLE ENERGY AS A PERCENTAGE OF INSTALLED CAPACITY





KEY ENERGY STAKEHOLDERS

Government Ministries, Departments and Agencies

- Ministry of Communications, Works, Energy and Labour (MCWEL)

Fuel Importers & Suppliers

- Delta Petroleum Ltd
- A&F Gas Station
- Osborne Service Station

Electric Utility

- Montserrat Utilities Limited, MUL

Independent Power Producer(s)

- None

Electricity Regulator

- None

Transportation

- Ministry of Communications, Works, Energy and Labour (MCWEL)

Other

- Ministry of Agriculture, Lands, Housing & the Environment (MALHE)
- Trade Division
- Montserrat Chamber of Commerce & Industry



ELECTRICITY SECTOR: POLICY, LEGAL AND REGULATORY (PLR) FRAMEWORK

	Completed	Draft	In Progress	Not Completed
Energy Policy and Energy Action Plan	✓			
RE Target	✓			
EE Target				Recommendations were made but no specific target was set
Electricity Regulator				✓
Net Billing / Net Metering				✓
Interconnection Policy/Standards				✓
Feed-in-tariff				✓
RE/EE Act				✓

Policies and Legislation Relevant to the Energy Sector

Policies:

- The Power to Change: The Montserrat Energy Policy 2016 – 2030 [6]

Legislation:

- Petroleum Act (Cap. 10.12) [13]

Policies and Legislation Relevant to the Transportation Sector

Policies:

- None

Legislation & Regulation:

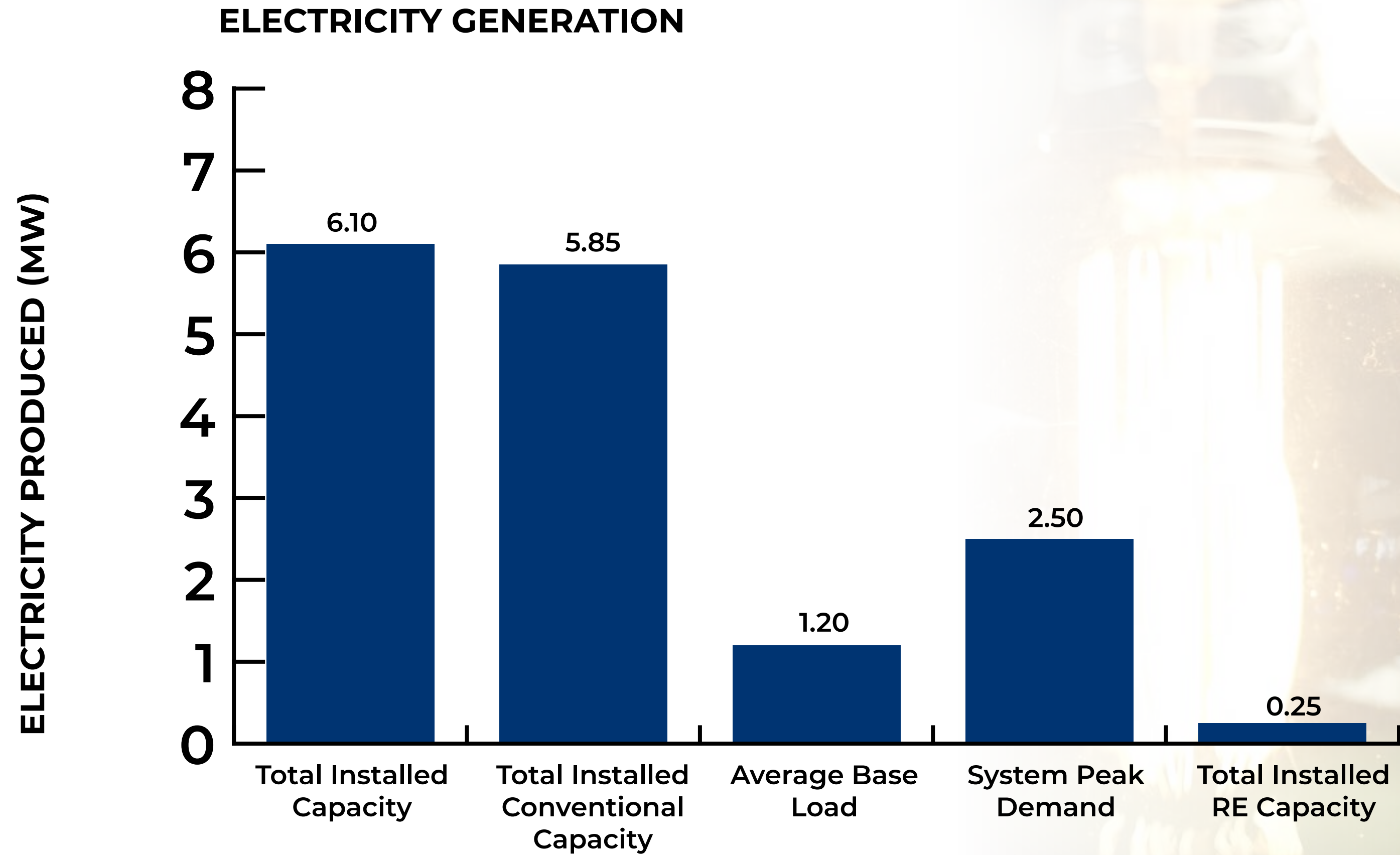
- Aviation Act (Cap. 7.05) [14]
- Merchant Shipping (Agreements) Act (Cap. 7.03) [15]
- Merchant Shipping (Registration) Act (Cap. 7.11) [16]
- Road Traffic Act (Cap. 7.06) [17]
- Customs Duties And Consumption Tax (Electric And Hybrid Vehicles) (Exemption) Order SR&O #29 [18]

KEY ACHIEVEMENTS: PLR FRAMEWORK TIMELINE FOR ELECTRICITY SECTOR

Name	Year
Montserrat Utilities Limited (MUL) Act [12]	2007
Montserrat Utilities Limited (MUL) Act (Last Amendment) [12]	2013



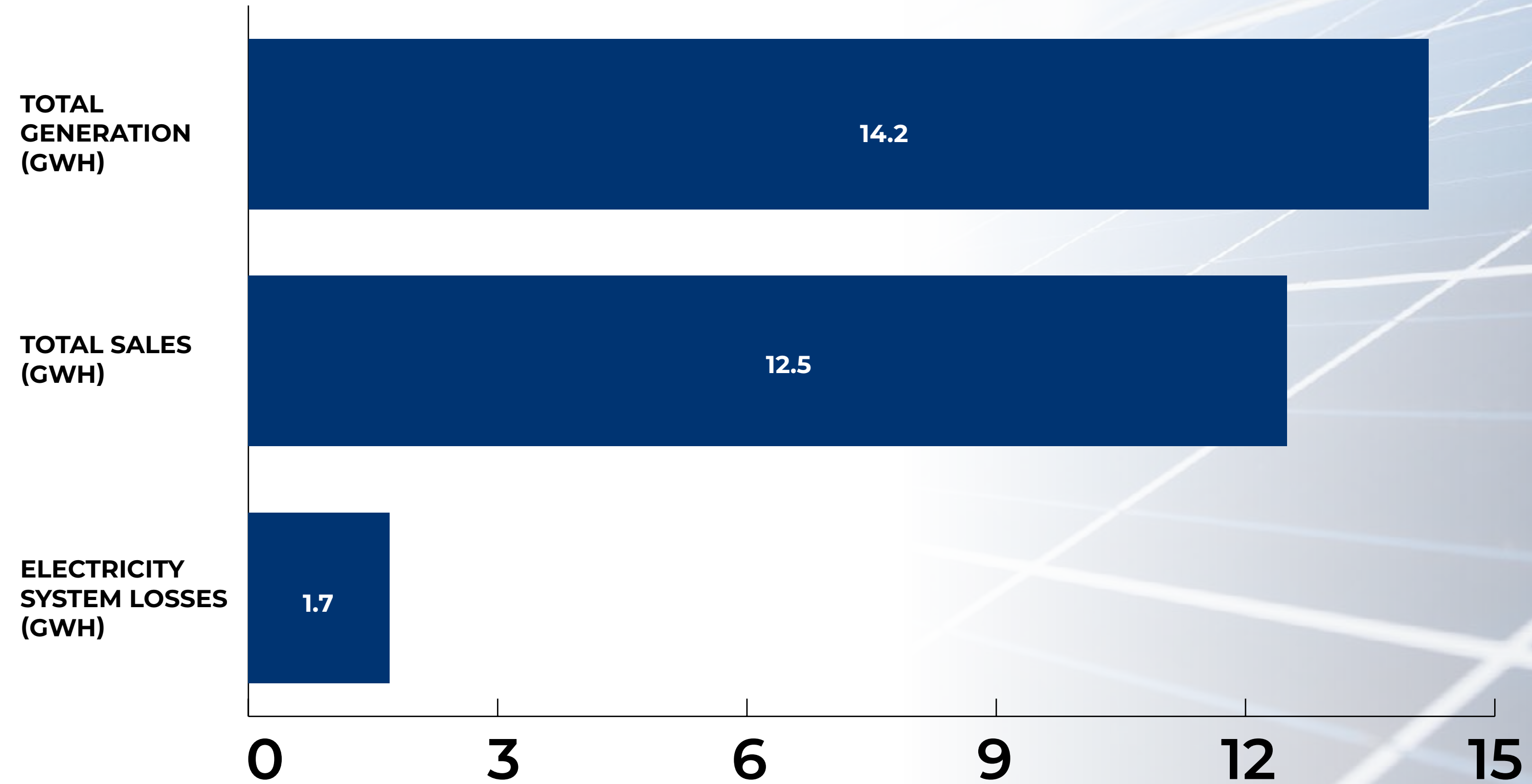
ELECTRICITY & ENERGY EFFICIENCY





ELECTRICITY & ENERGY EFFICIENCY (CONT'D)

ELECTRICITY CONSUMPTION





ELECTRICITY & ENERGY EFFICIENCY (CONT'D)

RE RESOURCES:

RE Resource	Installed Capacity (MW)	Year Commissioned	Potential Capacity (MW)
Solar	0.25	2019	1.5
Geothermal	-	-	940

TARRIFS

Rate Class	Tariff / (US\$/kWh)
Residential Tariff	0.19
Commercial	0.20
Industrial/Large Power	0.18
Street Lights	0.18



PROJECTS IN THE PIPELINE

ENERGY EFFICIENCY PROJECTS

Energy Efficiency	Old/Existing Infrastructure (Number/Size)	Consumption (MW)
Street Lighting	972	53

RENEWABLE ENERGY

Renewable Energy Source	Resource and Projects Capacity	Development Partner	Total Estimated Cost	Funding Source
Solar Photo-Voltaic	750 kW	Department for International Development,(DFID) / European Union (EU)	Not available	European Union
Geothermal	4.5 MW	Department for International Development,(DFID) / European Union (EU)	Not available	European Union



NUMBER AND TYPE OF TERTIARY LEVEL & VOCATIONAL TRAINING SUSTAINABLE ENERGY PROGRAMMES OFFERED

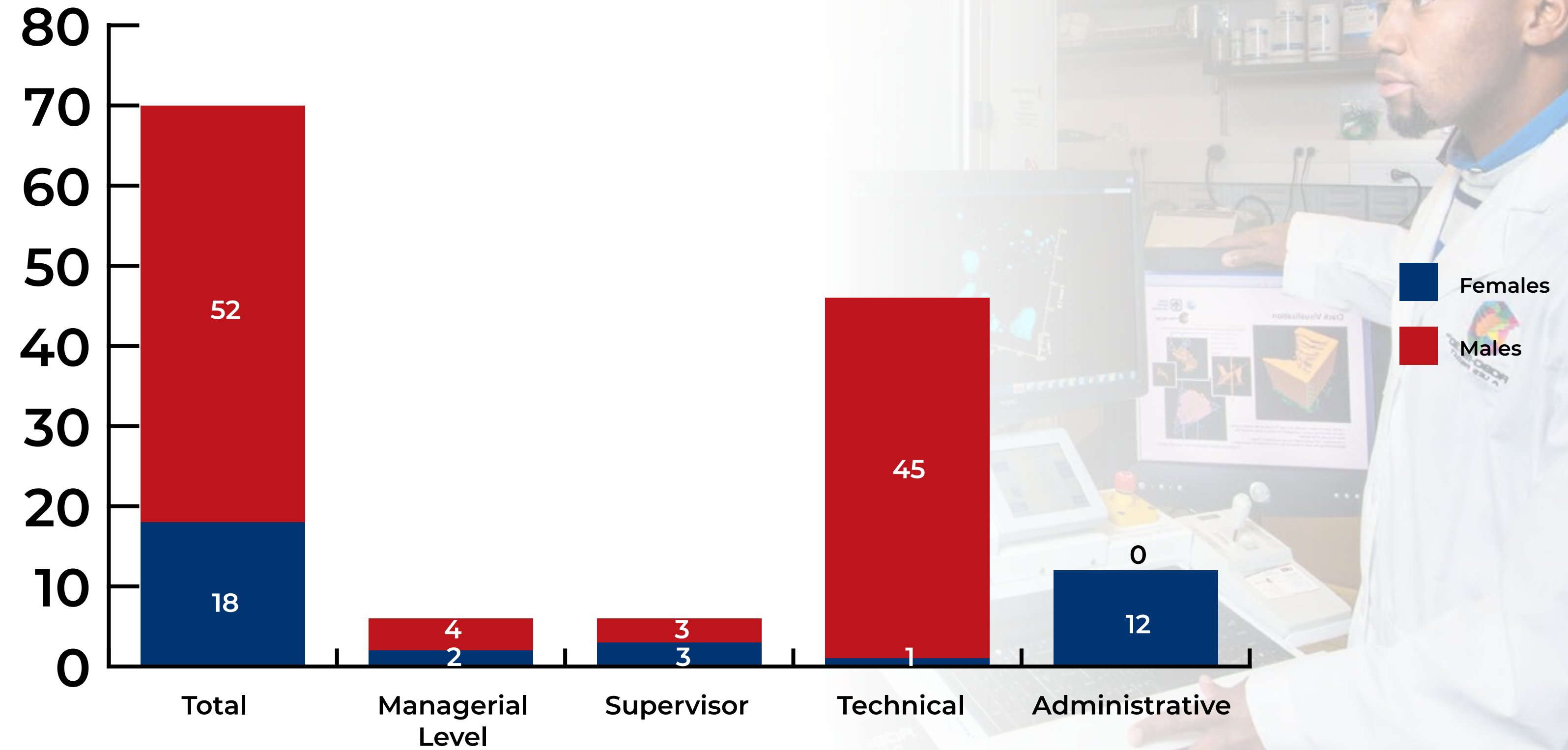
Name of Education Programme Sponsor	Types of Programme	Programme Link
	B.Sc	
Government of Montserrat	Renewable Energy	https://discovermni.com/wp-content/uploads/2019/06/GOVERNMENT-OF-MONTSERRAT-APPROVED-PRIORITY-2019-20.pdf [19]

Note: The Government sponsors external training based on a priority needs listing. The name of the university was not available.



WORKFORCE

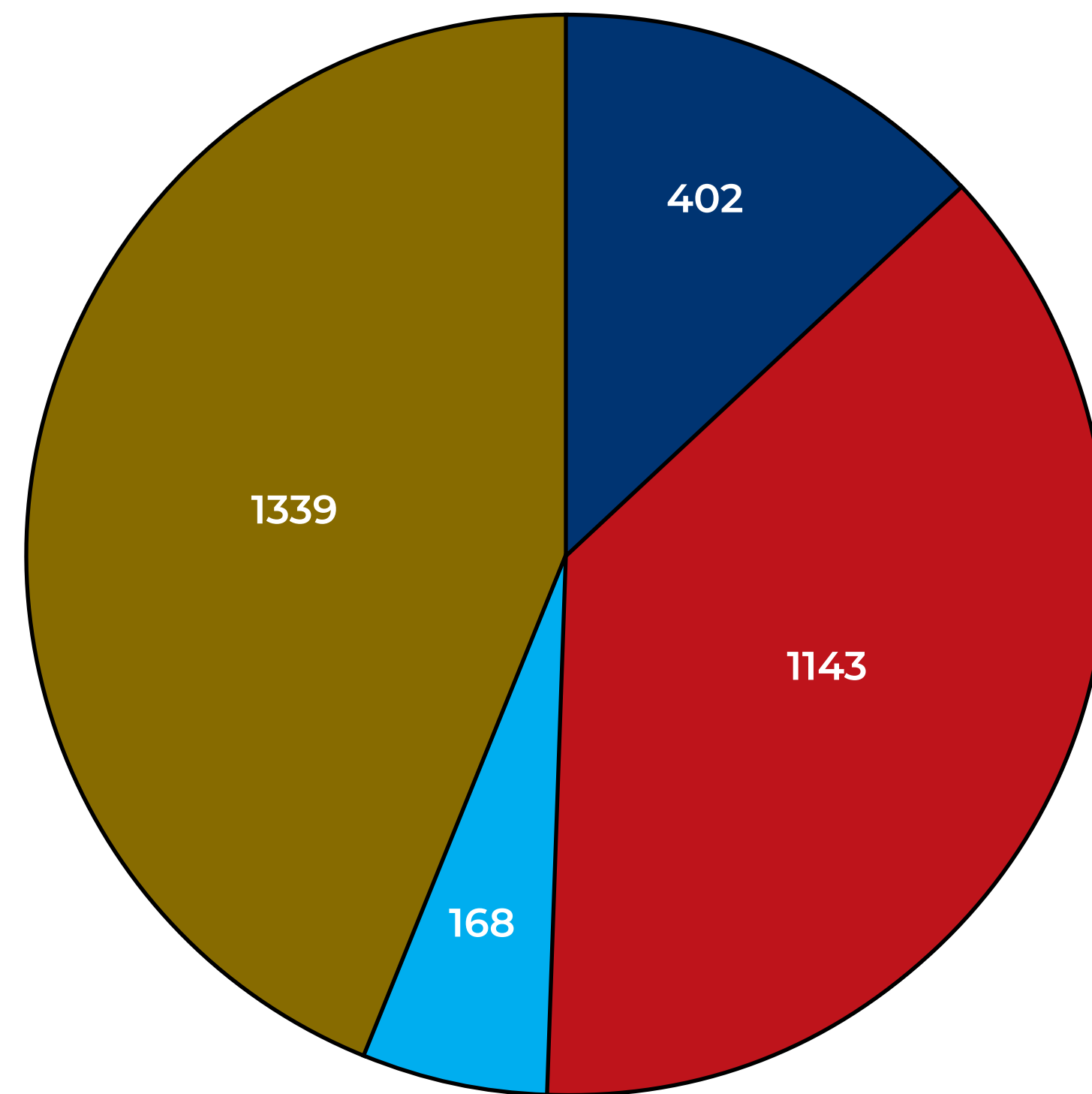
NO. OF PERSONS EMPLOYED IN ENERGY SECTOR





TRANSPORTATION SECTOR

VEHICLE REGISTRATION



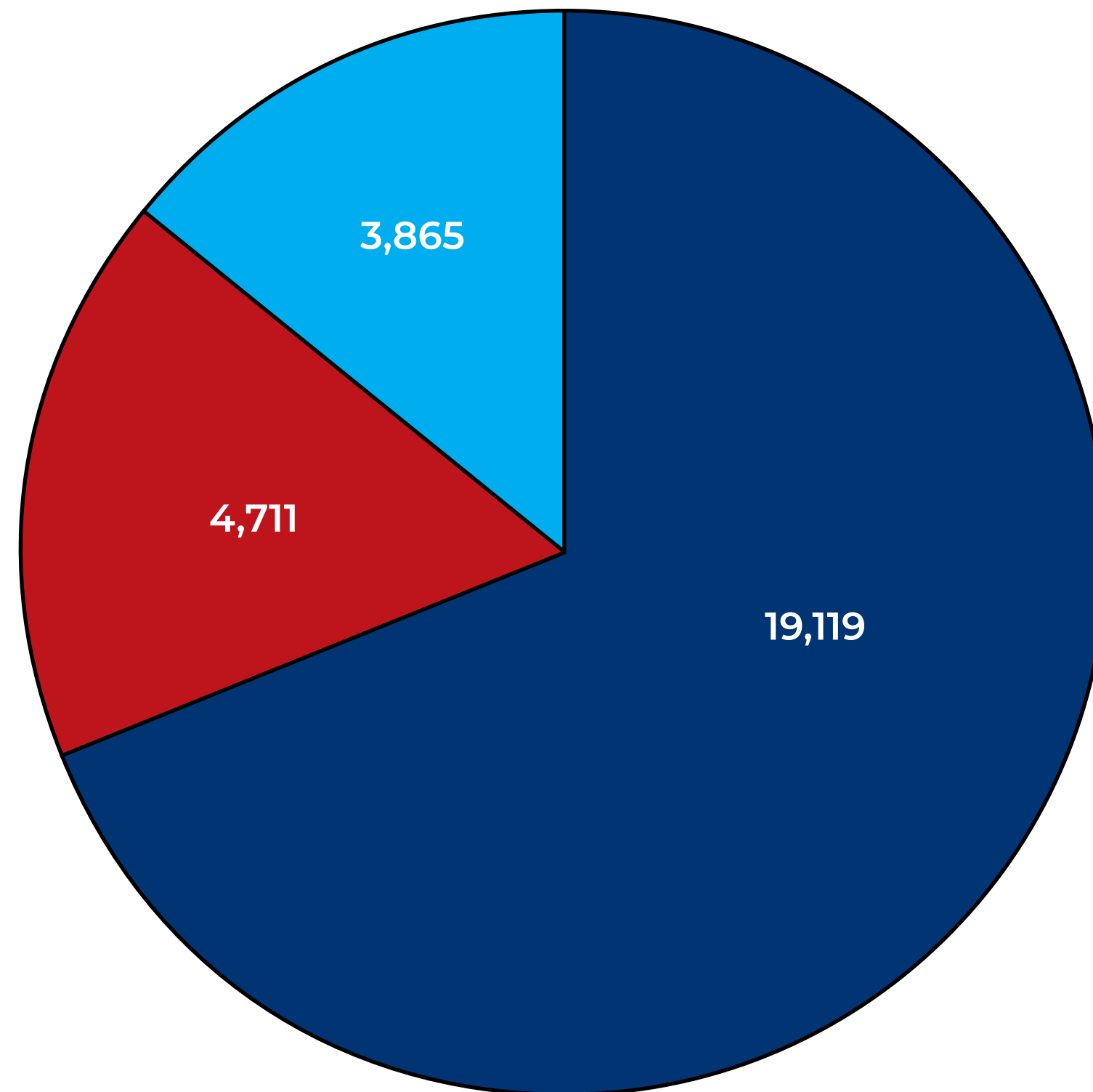
- Trucks
- Cars
- Buses
- SUVs

There are also:
3 Hybrid Vehicles
4 Electric Vehicles



TRANSPORTATION SECTOR (CONT'D)

FUEL USE IN THE TRANSPORTATION SECTOR (BOE)



- Gasoline
- Marine Diesel
- Automotive Diesel

7 BOE of Biofuels (Ethanol/Methanol) are used for racecars



CLIMATE CHANGE FRAMEWORK

Climate Change Policy	National Climate Change Policy for Montserrat (2015 Draft) [10]
National Determined Contributions	Not Available
Priority Sectors for NDC	Not Available
National Communications (NC) to the UNFCCC	None [20]

Note: Montserrat is a crown colony of the United Kingdom. The United Kingdom was involved in two INDCs. The first, dated March 6th 2015, did not state any intended targets for the four territories [21]. The second, submitted in 2020, does not include emissions and removals from the UK's Crown Dependencies or Overseas Territories [22]. It did indicate however that the UK Government will consult with UK Crown Dependencies and Overseas Territories on extending the Paris Agreement and the UK's NDC to cover their emissions at an appropriate point in the future.



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