

BARBADOS

ENERGY REPORT CARD (ERC) FOR 2021



BARBADOS NATIONAL STRATEGIC PLAN 2006-2025^[5]

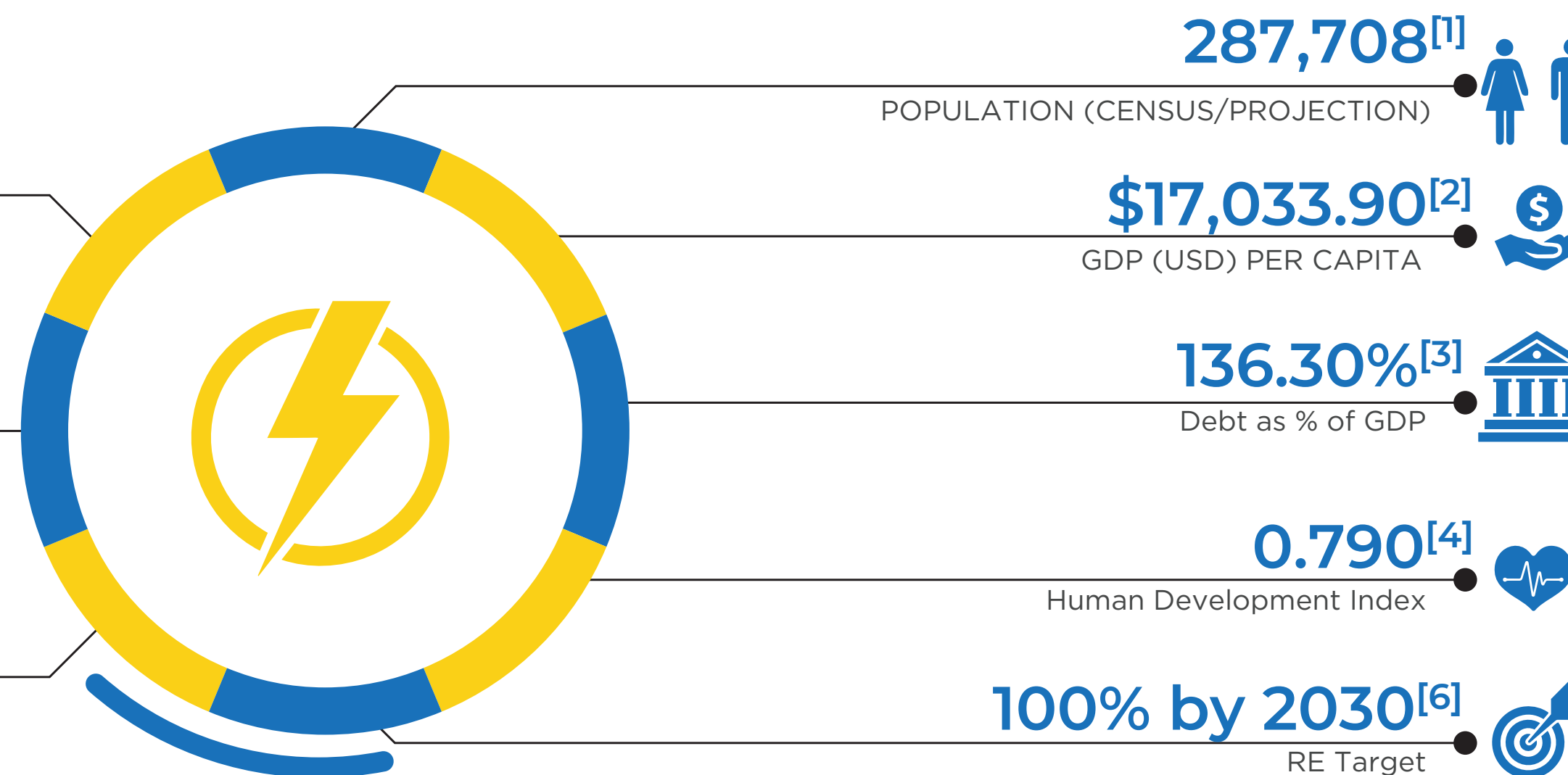
National Development Plan/
Overall Country Development Strategy














BARBADOS NATIONAL ENERGY POLICY (BNEP) 2019-2030^[6]

National Energy Policy

None

Renewable Energy (RE) Policy



	No. of Persons Employed in Energy Sector	443¹
	Total Installed Conventional Capacity (MW)	252^[8]
	Total Installed RE (MW)	67^[8]
	Electricity System Losses (%)	5.85%^[9]
	Energy Use (kWh) Per Capita	3,142.07^[9]
	Fuel and Oil Imports as % of GDP	7.10%^[10]
	Oil Imports as % of GDP	0.8%^[10]
	Electric Vehicle Stock	664
	Climate Change Policy	National Climate Change Policy Barbados (2012)^[11]
	Total Oil Import (BOE) per day	Not Available
	Total Oil Export (BOE) per day	Not Available
	Energy Intensity (BTU/\$)	Not recorded [8]
	National Repository for Energy Data	Ministry of Energy and Business (sieBARBADOS)^{2[8]}

1. This represents the Ministry of Energy, Small Business and Entrepreneurship, and Barbados Light & Power Company
 2. sieBARBADOS was inactive during 2021.

ENERGY PERFORMANCE STANDARDS /APPLIANCE LABELLING ^[7]

ENERGY MANAGEMENT

ISO 12655: 2013 Energy performance of buildings
- Presentation of measured energy use of buildings

ISO 50001:2011 Energy management systems
- Requirements with guidance for use

ISO 50002: 2014 Energy audits
- Requirements with guidance for use

ISO 50004: 2014 Energy management systems
- Guidance for the implementation, maintenance and improvement of an ISO 50001 energy management system

ISO 50015: 2014 Energy management systems
- Measurement and verification of energy performance of organisations - General principles of guidance

BNS IEC 60081: 2002-05 (+ Amendment 4.0: 2010-02)
Double-capped florescent lamps
- Performance Requirements

BNS IEC 60969: 2001-03 (Edition 1.2 + Performance Requirements Amendment 1 & 2) Self -ballasted lamps for general lighting services

SOLAR ENERGY

IEC 61215 Crystalline silicone terrestrial photovoltaic (PV)

- Design qualification and type approval
IEC 61345 UV test for photovoltaic (PV) modules

IEC 61646 Thin-film terrestrial photovoltaic (PV) modules

IEC 61701 Salt mist corrosion testing of photovoltaic (PV) modules

IEC/TS 61836:2007-21 S Solar photovoltaic energy systems - Terms, definitions and Edition 2.0 symbols

IEC 61853-1 Photovoltaic modules (PV) performance testing and energy rating Part 1: Irradiance and temperature performance measurements and power rating

WIND ENERGY

IEC 61400-1 Wind turbines - Part 1
- Design requirements

IEC/TS 61400-2 Wind turbines - Part 2
- Design requirements for small wind turbines

IEC 61400-14 Wind turbines - Part 14
- Declaration of apparent sound power

NATIONAL DETERMINED CONTRIBUTIONS (NDC)

Total absolute emissions in the base year (2008) have been restated at 2,123Gg CO₂e. The 2015 NDC inventory stated emissions at 1,816Gg CO₂e.

The absolute emissions reductions resulting from this 2021 NDC update conditional contribution below the 2008 base year are 705Gg CO₂e (2025) and 1,459Gg CO₂e (2030) respectively.

Total economy wide BAU emissions projections are 1,881Gg CO₂e (2025) and 1,958Gg CO₂e (2030) respectively.^[12]

READ MORE

Access the full report at
https://cekh.ccreee.org/wp-content/uploads/2023/08/ERC_Barbados_final_002.pdf

