

Population and Economy

Population Size **286,641**

Total Area Size **430 Sq. Kilometers**

Total GDP **\$5.145 Billion**

Gross National Income (GNI) Per Capita **\$15,410**

Share of GDP Spent on Imports **40.9%** Fuel Imports **6%**

Urban Population Percentage **31.2%**

Electricity Sector Overview

Installed Capacity **286.6 MW**

RE Installed Capacity Share **10.5%**

Peak Demand (2018) **152.3 MW**

Total Generation (2018) **996 GWh**

Transmission and Distribution Losses **5%**

Electricity Access **100%** (total population)

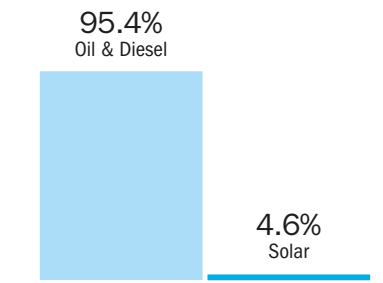
Average Electricity Rates (USD/kWh)

Residential **\$0.25**

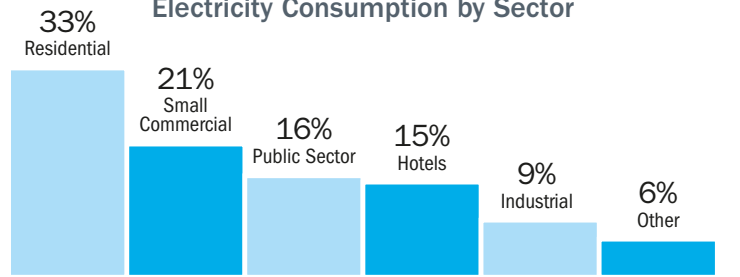
Commercial **\$0.28**

Industrial **\$0.25**

Electricity Generation Mix

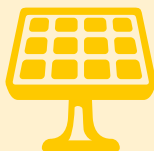


Electricity Consumption by Sector



Renewable Energy Status

Solar



30 MW

Targets

Renewable Energy Generation

100% by 2030



Energy Efficiency

20% reduction by 2030 under BAU of 2019

<https://www.energy.gov.bb/web/national-energy-policy-for-barbados-2019-2030>

Existing Policy and Regulatory Framework

Renewable Energy

- Feed-in Tariff ●
- Net Billing ●
- Interconnection Standards ●
- Energy Access (Electrification Rate)
- Renewable Portfolio Standard
- Tax Credits ●
- Tax Reduction or Exemption ●
- Public Loans or Grants ●
- Auctions or Reverse Auctions
- Green Public Procurement
- Energy Storage

Energy Efficiency

- Energy Efficiency Standards ●
- Tax Credits ●
- Tax Reduction or Exemption ●
- Public Demonstration ●
- Restrictions on Incandescent Bulbs ●
- Appliance Labeling Standards ●
- Minimum Energy Performance Standards ●
- Building Codes
- Green Building Certification Program
- EE Loan Programs
- Rebates

Targets

- Renewable Energy ●
 - Energy Efficiency ●
 - Transportation
- In Place ○ Proposed



Government and Utility

Government Institution for Energy

Ministry of Energy & Water Resources - Energy Division

<https://www.energy.gov.bb/web/home>

Government Institution for Disasters

Department of Emergency Management

<https://www.gov.bb/Departments/emergency-management>

Regulatory Entities

Barbados Fair Trading Commission

https://www.ftc.gov.bb/index.php?option=com_frontpage&Itemid=1

Utility(s)

Barbados Light & Power Company (BL&P)

<https://www.blpc.com.bb/>



Energy Security and Resilience

Implementation Plan

Implementation Plan for Barbados National Energy Policy

https://www.energy.gov.bb/web/component/docman/doc_download/89-implementation-plan-barbados-national-energy-policy

Integrated Resource Plan

2014 Integrated Resource Plan

<https://www.blpc.com.bb/images/pdf/IRP-Revised-Final-Report-February-2014-Appendices-Clean-Copy-AA.pdf>

National Energy Policy

Barbados National Energy Policy 2019–2030

https://www.energy.gov.bb/web/component/docman/doc_download/88-national-energy-policy-2019-2030

Sustainable Development

The Barbados Sustainable Development Policy

<https://www.greengrowthknowledge.org/sites/default/files/downloads/policy-database/BARBADOS%20The%20Barbados%20Sustainable%20Development%20Policy.pdf>

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