



Population and Economy

Population Size **376,879**

Total Area Size **1,629 Sq. Kilometers**

Total GDP **\$10.8 Million**

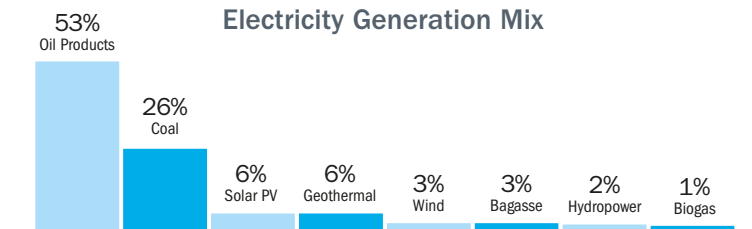
GDP per Capita **\$27,296**

Share of GDP Spent on Imports **33%** Fuel Imports **17%** (estimated)

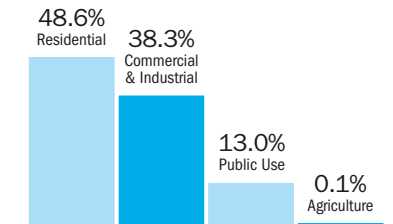
Urban Population Percentage **98.5%**

Electricity Sector Overview

Installed Capacity 556 MW
RE Installed Capacity Share 22%
Peak Demand (2018) 247 MW
Total Generation (2018) 1,704 GWh
Transmission and Distribution Losses 13.9%
Electricity Access 99%
Average Electricity Rates (USD/kWh) \$0.19



Electricity Consumption by Sector



Renewable Energy Status

Biomass 3.7 MW	Geothermal 14.7 MW	
Hydropower 10.5 MW	Solar 70.4 MW	Wind 22.1 MW

Targets

Renewable Energy Generation

- 100%** Energy independence by 2030
- 50%** Renewable Energy Final Consumption by 2020

RE penetration rate based on installed capacity: 59% by 2023; 71% by 2028
Develop 261 MW of additional renewable energy capacity relative to 2015

Technology Goals (2015 baseline year)

 82 MW (by 2023)	 67 MW (15 MW without Storage; 52 MW with storage; by 2023)	 66 MW (by 2023)	 20 MW (by 2030)
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Energy Efficiency

- 10%** Reduction in energy consumption by 2023 compared to 2015

Limit increase in energy demand to +4% by 2023 relative to 2015

<https://www.guadeloupe-energie.gp/en/energy-policy/regional-strategy/hatching-an-energy-plan-from-prerure-to-ppe/>

Transportation

- 30%** Electric Vehicles in the fleet by 2030

<https://castalia-advisors.com/wp-content/uploads/2019/10/CREF-Castalia-RE-Island-Index-and-Mktplace-2019.pdf>

Existing Policy and Regulatory Framework

Renewable Energy

- Feed-in Tariff ●
- Net Metering ●
- Interconnection Standards ●
- Energy Access (Electrification Rate)
- Renewable Portfolio Standard and Quotas for Set Asides
- Tax Rebates ●
- 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

The Regional Council of Guadeloupe

<https://www.guadeloupe-energie.gp/en/energy-policy/delegation-of-rule-making-authority/what-is-delegation-of-rule-making-authority/>

Regulatory Entities

Commission de Régulation de l'Énergie (CRE) - the French Energy Regulatory Commission

<https://www.cre.fr/en>

Regional Council of Guadeloupe

<https://www.guadeloupe-energie.gp/en/energy-policy/delegation-of-rule-making-authority/what-is-delegation-of-rule-making-authority/>

Utility(s)

EDF SEI Archipel Guadeloupe

<https://www.edf.gp/>



Energy Security and Resilience

Energy Policies and Action Plans

Energy Plan for the Exploration and development of Renewable Energy Sources and for Sensible Energy Use (PRERURE)

<https://www.guadeloupe-energie.gp/download/35/prerure/6118/prerure-guadeloupe-sept-2012.pdf>

Regional Air Energy Climate Framework Plan: Regional Wind Energy Plan

<https://www.guadeloupe-energie.gp/download/36/srcae/6121/rapport-srcae-adoption-20-11-12.pdf>

Energy Transition for Green Growth Act

<https://www.cohesion-territoires.gouv.fr/loi-relative-la-transition-energetique-pour-la-croissance-verte-tepcv>

Multi Year Energy Plan (PPE)

<https://www.guadeloupe-energie.gp/download/79/ppe/7583/170421-decret-et-ppe-guadeloupe-2016-2023.pdf>

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