



Population and Economy

Population Size **96,286**

Total Area Size **440 Sq. Kilometers**

Total GDP **\$1.61 Billion**

Gross National Income (GNI) Per Capita **\$15,890**

Share of GDP Spent on Imports **47.8%** Fuel Imports **4.5%**

Urban Population Percentage **24.50%**

Electricity Sector Overview

Installed Capacity **124 MW** (estimated)

RE Installed Capacity Share **7%**

Peak Demand (2017) **50 MW**

Total Generation (2018) **362 GWh**

Transmission and Distribution Losses **11%**

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

Average Electricity Rates (USD/kWh)

Residential

Minimum Charge \$9.25 per month

0 – 300 kWh **\$0.15**

Over 300 kWh **\$0.14**

Commercial

Minimum Charge \$16.65 per month

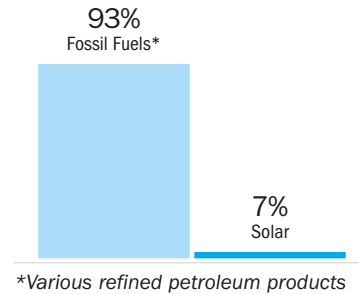
Monthly demand charge \$2.96 per kVA

0 – 100kWh **\$0.17**

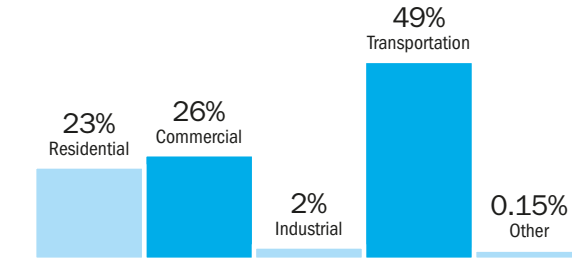
100 – 250kWh **\$0.16**

All remaining **\$0.14**

Electricity Generation Mix



Energy Consumption by Sector



Renewable Energy Status

Solar



9.6 MW

Targets

Renewable Energy Generation

15% by 2030 (2011 National Energy Policy)

[http://climatepolicydatabase.org/index.php/Nationally_Determined_Contribution_\(NDC\)_to_the_Paris_Agreement:_Antigua_and_Barbuda](http://climatepolicydatabase.org/index.php/Nationally_Determined_Contribution_(NDC)_to_the_Paris_Agreement:_Antigua_and_Barbuda)

Energy Efficiency

10% reduction of overall energy intensity by 2020

https://www.ctc-n.org/files/resources/antiguabarbuda_national_energy_policy.pdf

Existing Policy and Regulatory Framework

Renewable Energy

- Feed-in Tariff ○
- Net Metering
- 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 Tourism, Economic Development, Investment, and Energy
https://ab.gov.ag/detail_page.php?page=15

Regulatory Entities

None: Regulated through provisions of the Antigua Public Utilities Act
<http://www.apua.ag/about-us/>

Utility(s)

Antigua Public Utilities Authority (APUA)
<http://www.apua.ag>



Energy Security and Resilience

Government institutions for disasters

National Office of Disaster Services
<http://nods.gov.ag/>

National Response Framework

Disaster Management Act 2002
https://www.preventionweb.net/files/21374_15285disasterlawsantigua20021.pdf

Sustainable Island Resource Framework (SIRF) Fund
<https://www.environment.gov.ag/sirf>

Renewable Energy Integration

2015 Renewable Energy Act,
<http://extwprlegs1.fao.org/docs/pdf/ant145972.pdf>

Sustainable Energy Action Plan 2013
http://www.oas.org/en/sedi/dsd/Energy/Doc/EAP_AntiguaBarbuda_web.pdf

This document was developed by the National Renewable Energy Laboratory with support provided by the Caribbean Center for Renewable Energy and Energy Efficiency. The information included in this document is for general information purposes only. While reasonable attempts were made to provide accurate data, this document was prepared using data from multiple sources, including public sources.