



Population and Economy

Population Size **105,845**

Total Area Size **180 Sq. Kilometers**

Total GDP **\$2.7 Billion**

Gross National Income (GNI) Per Capita **\$23,630**

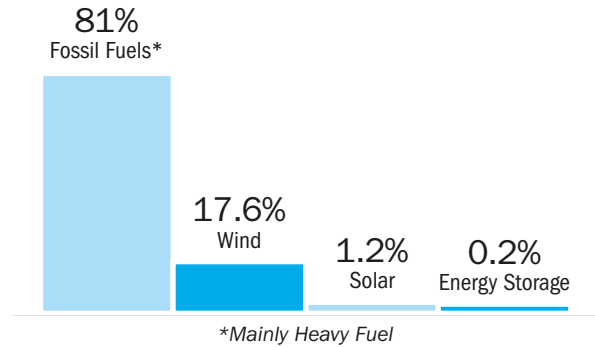
Share of GDP Spent on Imports **75.2%** Fuel Imports **15%**

Urban Population Percentage **43.4%**

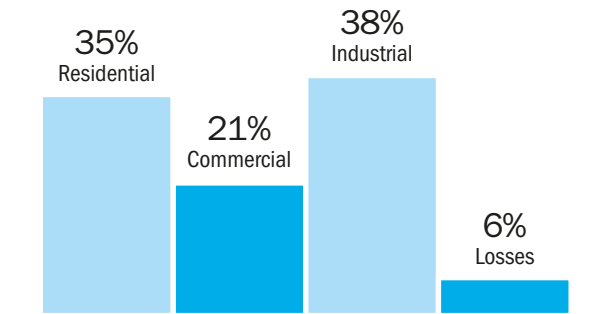
Electricity Sector Overview

Installed Capacity 287.9 MW
RE Installed Capacity Share 11.5%
Peak Demand (2019) 135 MW
Total Generation (2016) 939 GWh (est.)
Transmission and Distribution Losses 6%
Electricity Access 100% (total population)
Average Electricity Rates (USD/kWh)
Residential
0 – 500 kWh \$0.17
501 – 1000 kWh \$0.18
Over 1000 kWh \$0.23
+ Monthly fixed charge \$6.95 plus price per kWh usage
Commercial
Small \$0.27 (less than 500 kVA installed capacity) + Monthly fixed charge \$41.70 plus price per kWh usage
Large \$0.26 + \$5.30 per installed kVA fixed charge plus price per kWh
Non Commercial \$0.25 (churches, schools, similar, less than 500 kVA installed capacity) + Monthly fixed charge \$41.70 plus price per kWh usage

Electricity Generation Mix



Electricity Consumption by Sector



Renewable Energy Status

Solar	Wind
3.4 MW	30 MW

Targets

Renewable Energy Generation

100% by 2020

<https://www.100-percent.org/aruba/>

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 General Affairs, Integrity, Government Organisation, Innovation and Energy

https://www.overheid.aw/home-eng/ministries_48065/rubriek/ministry-of-general-affairs-integrity-government-organisation-innovation-and-energy_2452.html

Utility(s)

WEB Aruba N.V (generator)

<https://www.webaruba.com/energy-production>

N.V Elmar (distributor)

<https://www.elmar.aw/>

Designated Institution for RE & EE

WEB Aruba N.V (generator)

N.V Elmar (distributor)



Energy Security and Resilience

Renewable Energy Integration

2020 Vision

<http://www.utilitiesarubanv.com/main/wp-content/uploads/pdf/green-deck-aruba.pdf>

Utility Strategy

WEB Aruba Renewable Energy Strategy (ARES)

https://www.youtube.com/watch?v=dNP9Bw_aMsl

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