

Aruba Energy Snapshot



Population and Economy 177777

Population Size 105,845

Total Area Size 180 Sq. Kilometers

Total GDP \$2.7 Billion

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

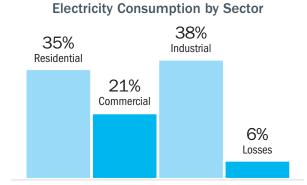
Share of GDP Spent on Imports 75.2% Fuel Imports 15%

Urban Population Percentage 43.4%

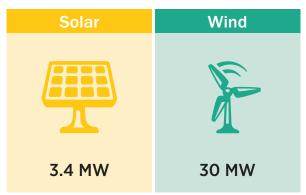
Electricity Sector Overview

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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		
Commerical 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 81% Fossil Fuels* 17.6% Wind 1.2% Solar Energy Storage *Mainly Heavy Fuel



Renewable Energy Status



Targets

Renewable Energy Generation



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 O 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-governmentorganisation-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_aMsI

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.



