

## Population and Economy

Population Size **165,768**

Total Area Size **540 Sq. Kilometers**

Total GDP **\$5.9 Billion**

Gross Domestic Product (GDP) Per Capita **\$35,600**

Share of GDP Spent on Imports **53.7%** Fuel Imports **6.2%**

Urban Population Percentage **94.9%**

## Electricity Sector Overview

Installed Capacity **420 MW**

RE Installed Capacity Share **6%**

Peak Demand (2018) **254 MW**

Total Generation (2018) **1.8 GWh**

Transmission and Distribution Losses **4.9%**

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

Average Electricity Rates (USD/kWh)

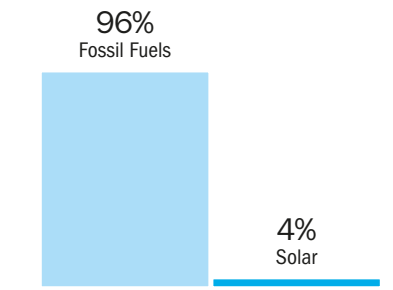
Residential **\$0.20**

Large Power **\$0.14**

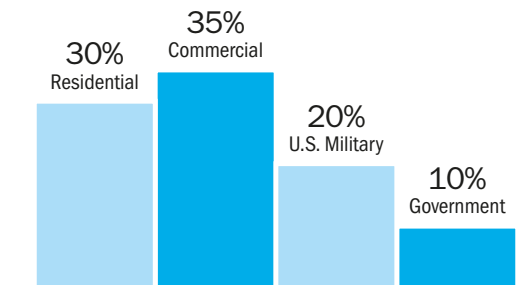
*demand exceeds 200 kWh/day +  
demand charge of \$8.94 per kW of  
billing demand month*

Rates do not include fuel recovery or customer charges. Full list of rates are found at: [http://guampowerauthority.com/gpa\\_authority/rates/gpa\\_rate\\_schedules.php](http://guampowerauthority.com/gpa_authority/rates/gpa_rate_schedules.php)

### Electricity Generation Mix

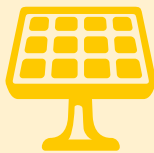


### Electricity Consumption by Sector



## Renewable Energy Status

Solar



**25.3 MW**

## Targets




Renewable Energy Generation



**50%** by 2035 **100%** by 2045

[http://www.guamlegislature.com/Public\\_Laws\\_35th/PL.%20No.%2035-46..pdf](http://www.guamlegislature.com/Public_Laws_35th/PL.%20No.%2035-46..pdf)

## Existing Policy and Regulatory Framework

 <b>Renewable Energy</b>	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
 <b>Energy Efficiency</b>	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 ●
 <b>Targets</b>	Renewable Energy ●
	Energy Efficiency
	Transportation
● In Place    ○ Proposed	



## Government and Utility

Government Institution for Energy

Guam Energy Office

<http://energy.guam.gov/>

Regulatory Entities

Guam Public Utilities Commission

<https://www.guampuc.com/>

Utility(s)

Guam Power Authority

<http://guampowerauthority.com/>



## Energy Security and Resilience

Integrated Resource Plan

<http://guamccu.org/wp-content/uploads/2015/12/Resolution-2016-36-Relative-to-Update-of-Integrated-Resource-Plan.pdf>

Guam Energy Action Plan

<https://www.nrel.gov/docs/fy13osti/59191.pdf>

Guam Strategic Energy Plan

<https://www.nrel.gov/docs/fy13osti/59192.pdf>

*This document was developed by the National Renewable Energy Laboratory. 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.*