



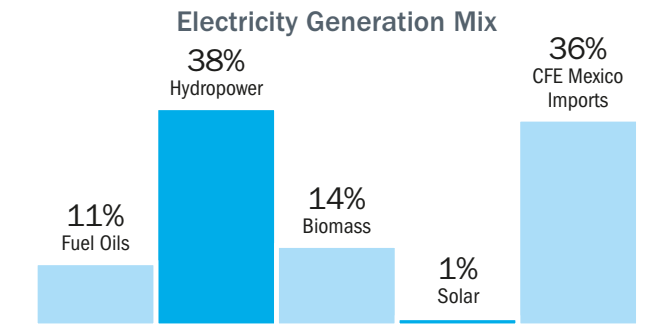
Population and Economy

Population Size **383,071**
Total Area Size **22,970 Sq. Kilometers**
Total GDP **\$1.87 Billion**

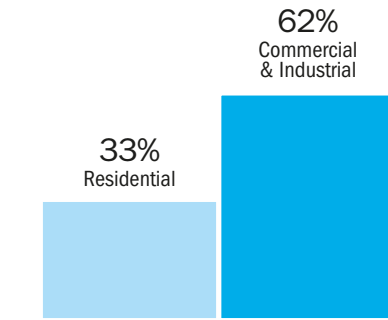
Gross National Income (GNI) per Capita **\$4,470**
Share of GDP Spent on Imports **58%** Fuel Imports **1.5%**
Urban Population Percentage **46%**

Electricity Sector Overview

| |
|--|
| Installed Capacity 119.98 MW |
| RE Generation Capacity Share 61% |
| Peak Demand (2018) 104.2 MW |
| Total Generation (2018) 651.12 GWh <i>Includes 235.16 GWh purchased/imported from Commission of Federal Electricity (CFE) in Mexico</i> |
| Transmission and Distribution Losses 11.9% |
| Electricity Access 92% (total population) Electrification – Urban Areas 97.1% (2016) Electrification – Rural Areas 88.4% (2016) |
| Average Electricity Rates (USD/kWh) Social (60kWh or less per month) \$0.11 <i>(\$2.50 minimum monthly charge)</i> Residential and Small Commercial \$0.20 <i>(\$5.00 minimum monthly charge)</i> Large Commercial \$0.20 <i>+ \$75 monthly service charge</i> Small Industrial \$0.15 <i>+ \$18.40 demand charge (kVA)</i> <i>+ \$124 monthly service charge</i> Large Industrial \$0.13 <i>+ \$12.40 demand charge (kVA)</i> <i>+ \$124 monthly service charge</i> Street Lights \$0.23 |



Electricity Consumption by Sector



Renewable Energy Status

| Hydropower | Biomass | Solar |
|----------------|----------------|----------------|
| | | |
| 51.3 MW | 21.5 MW | 0.48 MW |

Targets

Renewable Energy Generation

85% by 2030* **70 MW** Total installed Hydropower by 2033
Supply **5MW** of electricity from municipal solid waste by 2033

*Conditional NDC Goal <https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Belize%20First/BELIZE%27s%20%20NDC.pdf>

Energy Efficiency

30% Increase in energy efficiency by 2033*

*Based on baseline year 2011 <https://climate-laws.org/cclow/geographies/18/policies/1081>

Transportation

20% reduction in conventional transportation fuel use by 2030

Existing Policy and Regulatory Framework

Renewable Energy

Feed-in Tariff
Net Metering
Interconnection Standards ○
Energy Access ●
Renewable Portfolio Standard
Tax Credits
Tax Reduction or Exemption ●
Public Loans or Grants
Auctions or Reverse Auctions ●
Green Public Procurement
Energy Storage
Rebates ○

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 Labour, Local Government and Rural Development, Public Service, Energy & Public Utilities

<http://www.publicservice.gov.bz/>

Regulatory Entities

Public Utilities Commission

<https://www.puc.bz/>

Utility(s)

Belize Electricity Limited (BEL)

<http://www.bel.com.bz/>

Government Institution for Disasters

National Emergency Management Organization

<https://www.preventionweb.net/organizations/1455>



Energy Security and Resilience

Horizon 2030: The National Development Framework for Belize

<http://med.gov.bz/horizon-2030-the-national-development-framework-for-belize/>

National Energy Policy Framework

[https://www.greengrowthknowledge.org/sites/default/files/downloads/policy-database/BELIZE\)%20National%20Energy%20Policy%20Framework_1.pdf](https://www.greengrowthknowledge.org/sites/default/files/downloads/policy-database/BELIZE)%20National%20Energy%20Policy%20Framework_1.pdf)

Belize National Sustainable Energy Strategy (2012-2033)

http://www.publicservice.gov.bz/jdownloads/Strategic%20Plans/MESTPU_Strategic_Plan_-_2012-2017.pdf

Belize Growth and Sustainable Development Strategy

<http://caribbean.cepal.org/content/belize-growth-and-sustainable-development-strategy-gsds>

National Climate Change Policy, Strategy and Action Plan

<http://extwprlegs1.fao.org/docs/pdf/blz169290.pdf>

Energy Resilience for Climate Adaptation Project for Belize

<http://www.bel.com.bz/Documents/Environment/Strengthening%20Transmission%20Network%20Structures.pdf>

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