



## Population and Economy



Population Size **744,962**

Total Area Size **214,970 Sq. Kilometers**

Total GDP **\$3.9 Billion**

Gross National Income (GNI) per Capita **\$4,991**

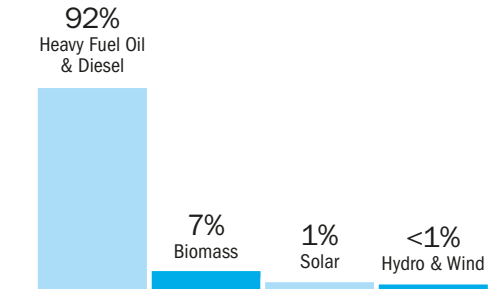
Share of GDP Spent on Imports **47.1%** Fuel Imports **13.2%**

Urban Population Percentage **26.8%**

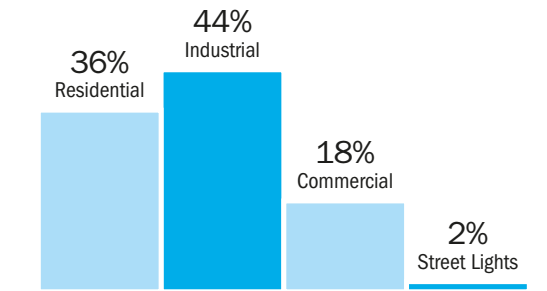
## Electricity Sector Overview

Installed Capacity <b>347.7 MW</b>
RE Installed Capacity Share <b>16.8%</b>
Peak Demand (2018) <b>124.9 MW</b>
Total Generation (2018) <b>1,136.2 GWh</b>
Transmission and Distribution Losses <b>27%</b>
<b>Electricity Access</b>
Total population <b>88.8%</b>
Urban population <b>89.7%</b>
Rural population <b>80.3%</b>
<b>Average Electricity Rates (USD/kWh)</b>
Residential <b>\$0.20</b>
Commercial <b>\$0.27</b>
Industrial <b>\$0.24</b>
Street Lights <b>\$0.21</b>





Electricity Generation Mix



Electricity Consumption by Sector



## Renewable Energy Status


<b>Biomass</b>	<b>Solar</b>
 50.6 MW	 7.8 MW
<b>Hydropower</b>	<b>Wind</b>
 0.02 MW	 0.04 MW

## Targets (National Development Policy Goal)

### Renewable Energy Generation

 **Near 100%** by 2040

### Energy Efficiency

 **Double** the rate of improvement by 2030

## 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 ○
- Public Awareness ●

### 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 Public Infrastructure, Guyana  
Energy Agency  
<https://mopi.gov.gy/guyana-energy-agency>

### Regulatory Entities

Public Utilities Commission  
<https://mopt.gov.gy/agencies/public-utilities-commission/>

### Utility(s)

Guyana Power and Light (Main Utility)  
<https://gplinc.net/>

Smaller utilities operate in the Hinterland region: Lethem Power Company Inc., Mahdia Power & Light Inc., Port Kaituma Power & Light Inc., Matthew's Ridge Power & Light Inc., Linden Electricity Company Inc. and Kwakwani Utilities Inc.

### Energy Security & Electrification Access

Hinterland Electrification Company Inc.  
<https://mopi.gov.gy/hinterland-electrification-company-inc>



## Energy Security and Resilience

### Sustainable Development

Green State Development Strategy:  
Vision 2040

<https://www.doe.gov.gy/published/document/5cd1d69fe5569929a69b35b0>

### National Energy Policy

Energy Policy of Guyana

<http://goinvest.gov.gy/wp-content/uploads/Energy-Policy-of-Guyana-94.pdf>

### Draft of Revised National Energy Policy (Proposed)

Draft National Energy Policy Of Guyana

[https://mopi.gov.gy/sites/default/files/documents/Draft\\_National\\_Energy\\_Policy\\_Feb\\_20\\_17.pdf](https://mopi.gov.gy/sites/default/files/documents/Draft_National_Energy_Policy_Feb_20_17.pdf)

### Climate Change Mitigation

Nationally Determined Contributions

<https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/Guyana%20First/Guyana%27s%20revised%20NDC%20-%20Final.pdf>

### Climate Change Strategy

Low Carbon Development Strategy:  
Transforming Guyana's Economy While  
Combating Climate Change

<https://www.lcds.gov.gy/index.php/the-lcds/207-low-carbon-development-strategy-update-march-2013/file>

### Energy Security

Hinterland Energy Strategy  
(2014-2023) - Guyana

[https://www.dropbox.com/s/lih1wy07cdps5s3/Hinterland%20Energy%20Strategy%20\\_revised\\_%20\\_1\\_%20%282%29.pdf?dl=0](https://www.dropbox.com/s/lih1wy07cdps5s3/Hinterland%20Energy%20Strategy%20_revised_%20_1_%20%282%29.pdf?dl=0)

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