

## Population and Economy



Population Size **2.93 million**

Total Area Size **11,000 Sq. Kilometers**

Total GDP **\$15.71 Billion**

Gross National Income (GNI) per Capita **\$4,970**

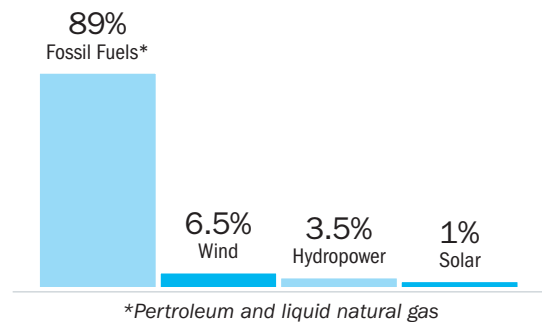
Share of GDP Spent on Imports **51%** Fuel Imports **7.4%**

Urban Population Percentage **56%**

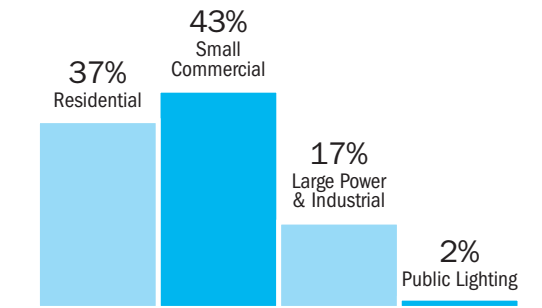
## Electricity Sector Overview

Installed Capacity	<b>1071 MW</b>
RE Capacity Share	<b>13.8%</b>
Peak Demand (2018)	<b>655 MW</b>
Total Generation (2018)	<b>4,356 GWh</b>
Transmission and Distribution Losses	<b>26.5%</b>
Electricity Access	<b>97%</b> (Total Population)
Average Electricity Rates (USD/kWh)	
Residential	<b>\$0.28</b>
Commercial	<b>\$0.21</b>
Industrial	<b>\$0.20</b>
Street Lighting	<b>\$0.32</b>




### Electricity Generation Mix



### Electricity Consumption by Sector




## Renewable Energy Status

Hydropower	Solar	Wind
		
<b>29 MW</b>	<b>20 MW</b>	<b>99 MW</b>

## Targets

### Renewable Electricity Generation

 **20%** of electricity generation by 2030\*

\*On October 16, 2018, Jamaica's Prime Minister Andrew Holness directed the government to increase the target to 50%.

<https://solarheadofstate.org/press-releases/2018/jamaicasolar>

## Existing Policy and Regulatory Framework

<https://www.mset.gov.jm/all-energy-related/>

### Renewable Energy

Feed-in Tariff

Net Billing ●

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 Science, Energy and Technology

<https://www.mset.gov.jm/ministers-office/>

### Government Institution for Disasters

Office of Disaster Preparedness and Emergency Management (ODPEM)

<https://odpem.org.jm/>

### Regulatory Entities

Office of Utility Regulators (OUR)

[http://www.commonwealthofnations.org/sectors-jamaica/business/standards\\_and\\_regulation/](http://www.commonwealthofnations.org/sectors-jamaica/business/standards_and_regulation/)

Government Electrical Inspectorate (GEI)

<https://www.mset.gov.jm/2019/07/02/government-electrical-inspectorate-gei/>

### Utility(s)

Jamaica Public Service (JPS)

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



## Energy Security and Resilience

### Electricity Legislation

Electricity Act 2015

<https://www.mset.gov.jm/wp-content/uploads/2019/07/Electricity-Bill-2015.pdf>

### Energy Security and Resilience

Japan-Caribbean Climate Change Partnership Project

<https://jis.gov.jm/jamaicas-climate-resilience-strengthened-under-78-million-project/>

### Energy Policy

Jamaica's National Energy Policy: 2009-2030

[https://www.mset.gov.jm/wp-content/uploads/2019/07/National-Energy-Policy\\_0.pdf](https://www.mset.gov.jm/wp-content/uploads/2019/07/National-Energy-Policy_0.pdf)

### Integrated Resource Plan

2018 Jamaica Integrated Resource Plan

<https://www.mset.gov.jm/wp-content/uploads/2020/03/2018-Jamaica-Integrated-Resource-Feb-21-2020.pdf>

### Renewable Energy Grid Integration

Grid Impact Analysis and Assessment for Increased Penetration of Renewable Energy into the Jamaican Electricity Grid

[https://www.mset.gov.jm/wp-content/uploads/2019/07/Grid-Impact-Analysis-for-Renewable-Energy-Penetration\\_0.pdf](https://www.mset.gov.jm/wp-content/uploads/2019/07/Grid-Impact-Analysis-for-Renewable-Energy-Penetration_0.pdf)

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