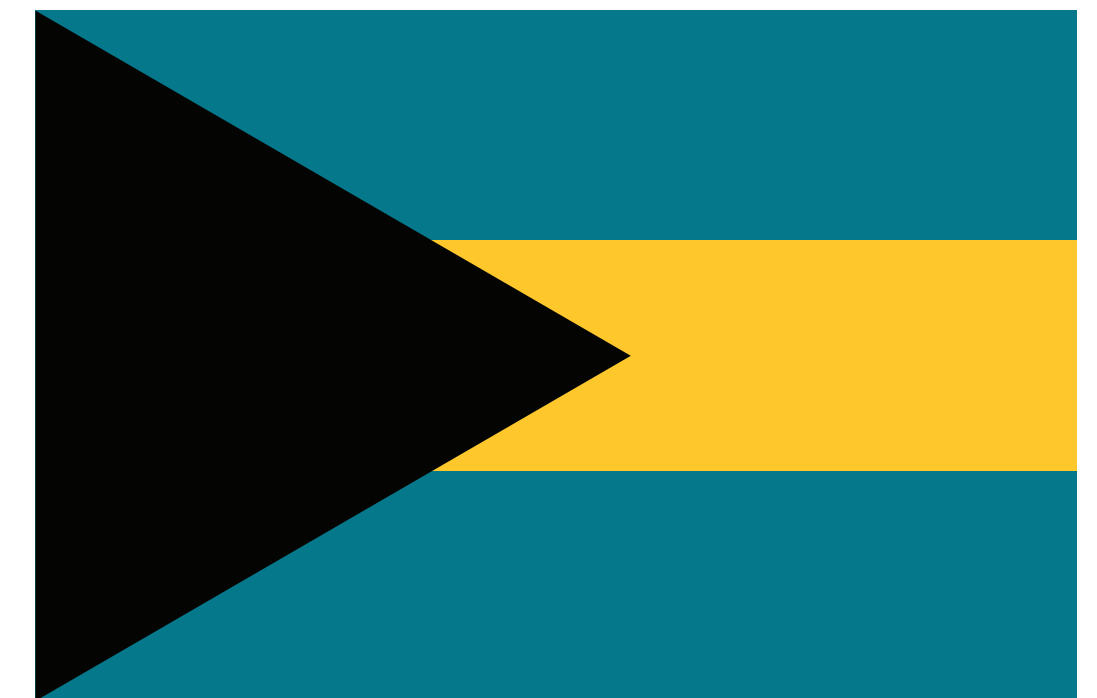


# BAHAMAS

ENERGY REPORT CARD (ERC) FOR 2021



# INTRODUCTION

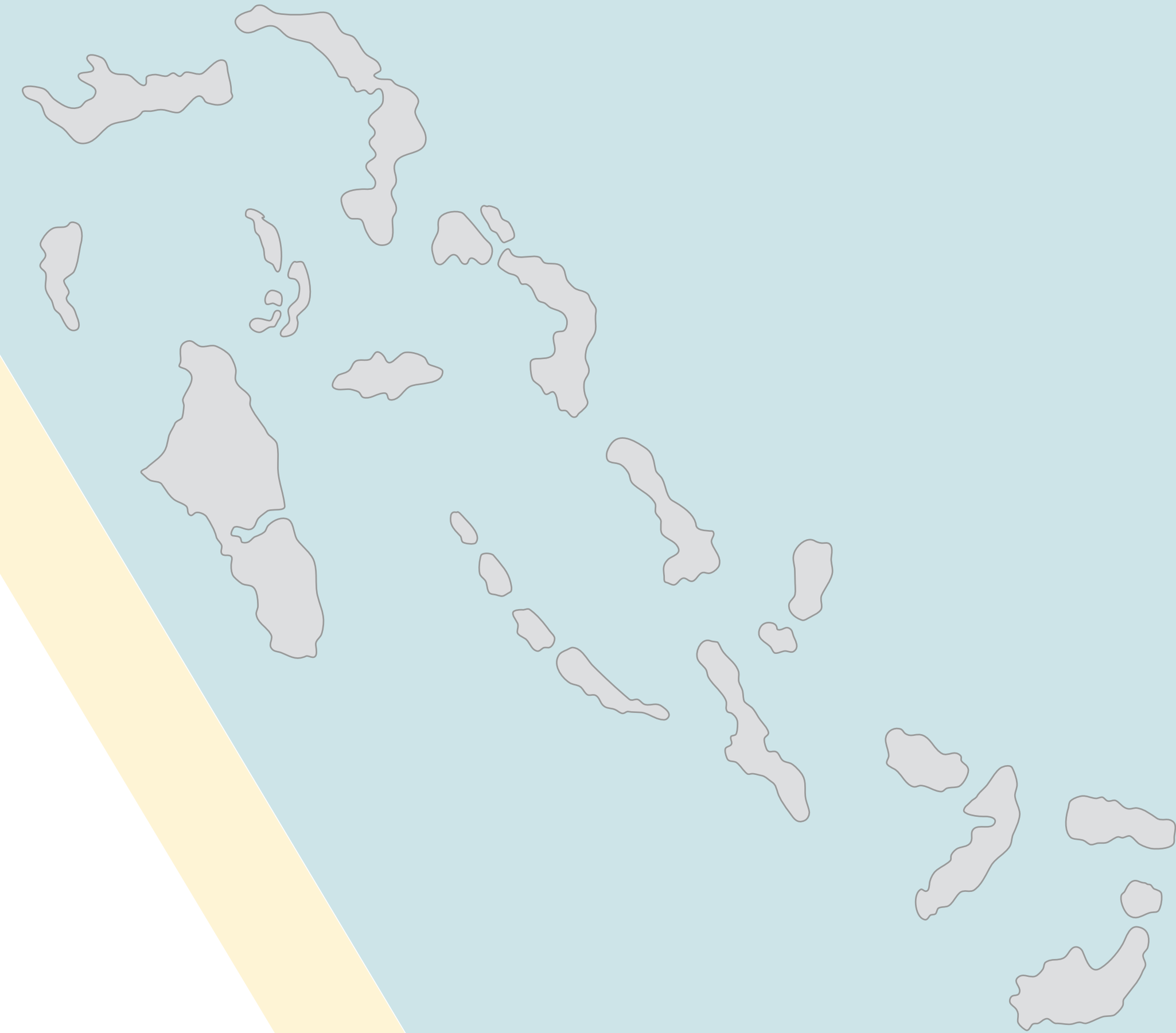
This document presents The Bahamas' Energy Report Card (ERC) for 2021.

The ERC provides an overview of the energy sector performance in The Bahamas. The ERC also includes energy efficiency, technical assistance, workforce, training and capacity building information, subject to the availability of data.

This ERC includes data and information that was provided by government ministries, agencies, or departments, with responsibility for energy, utilities, and statistical offices.

The data collected was supplemented by internet research, author calculations and inferences.

This data is a collection from a variety of public sources and, as such, is for general information only. It is not intended for decision-making purposes, and therefore reliance placed on the information herein is strictly at the user's risk.



## Vision 2040: National Development Plan of the Bahamas [4]

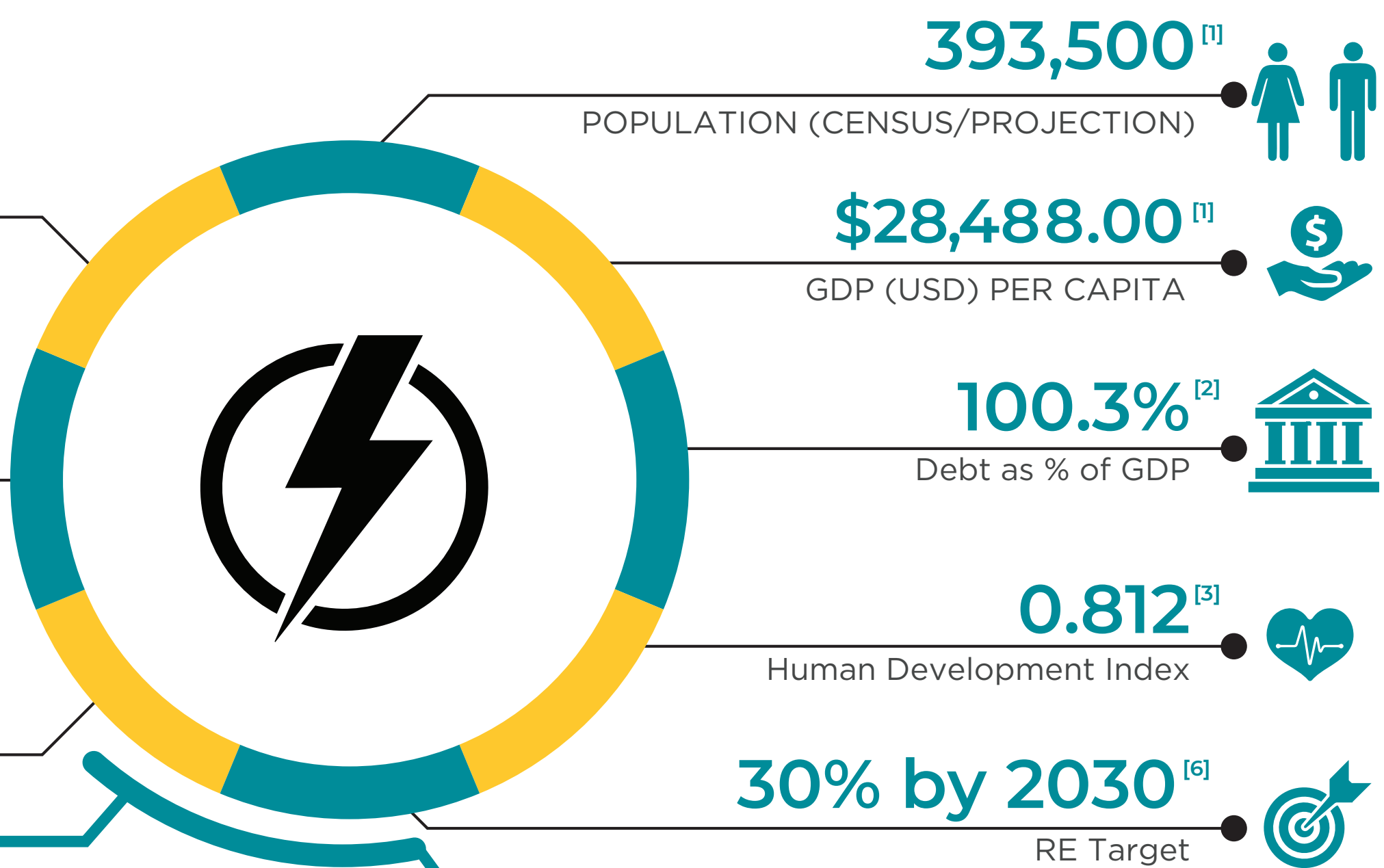
National Development Plan/  
Overall Country Development Strategy

## The Bahamas National Energy Policy 2013-2033 [5]

National Energy Policy

## The Bahamas National Energy Policy 2013-2033 [5]














Renewable Energy (RE) Policy



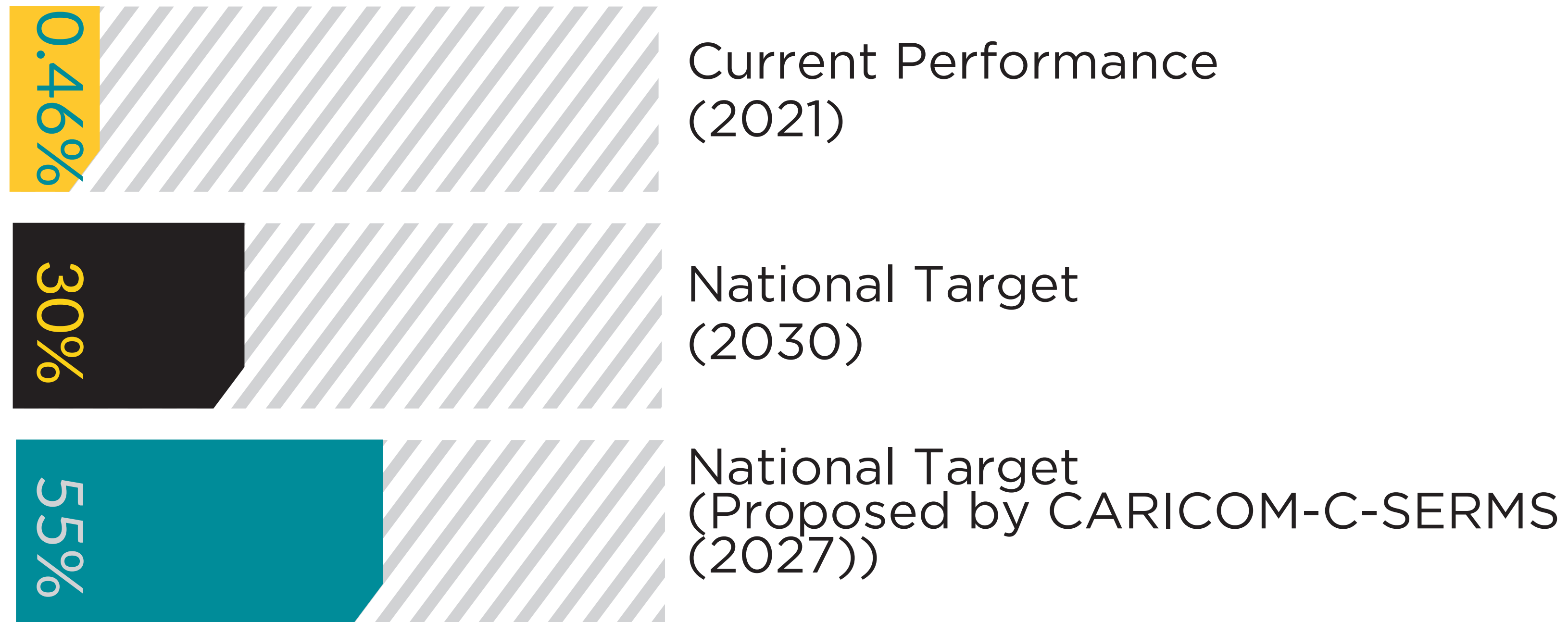
## National Determined Contributions (NDC)

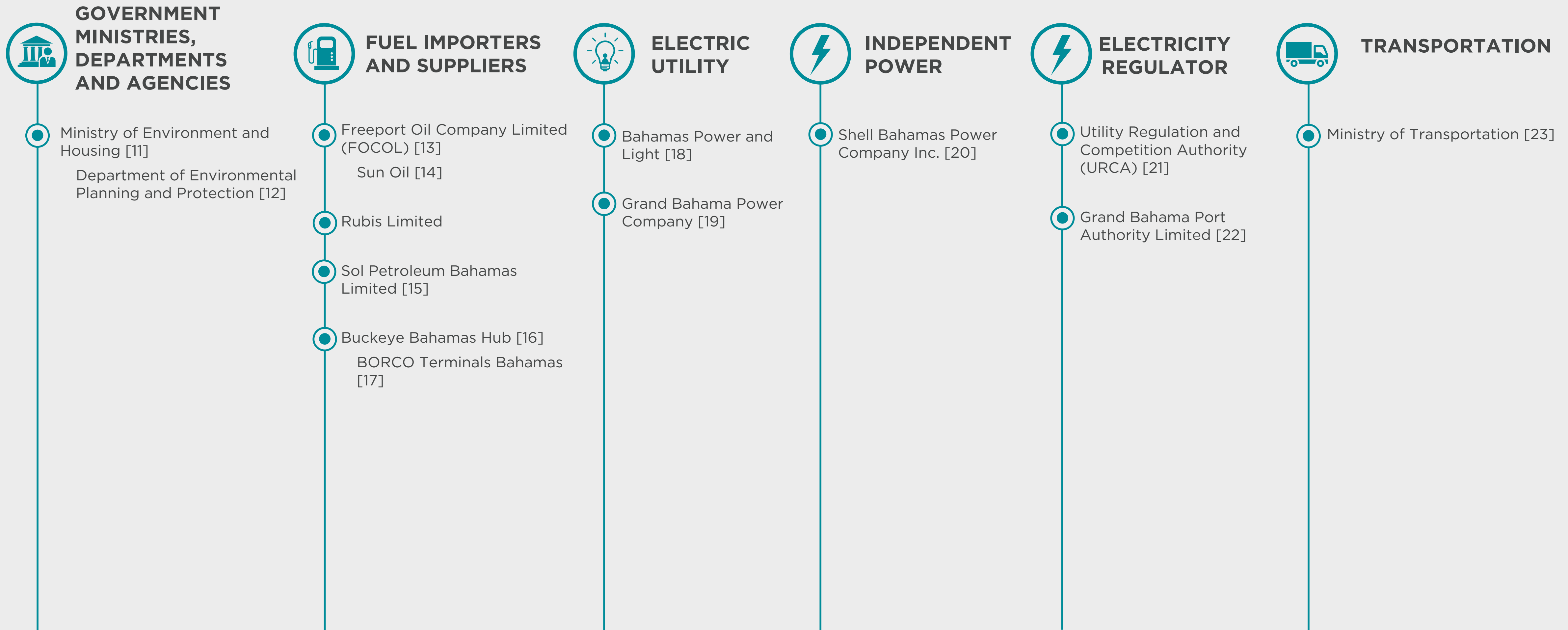
An economy wide reduction of GHG emissions of 30% when compared to is BAU scenario by 2030. [9]

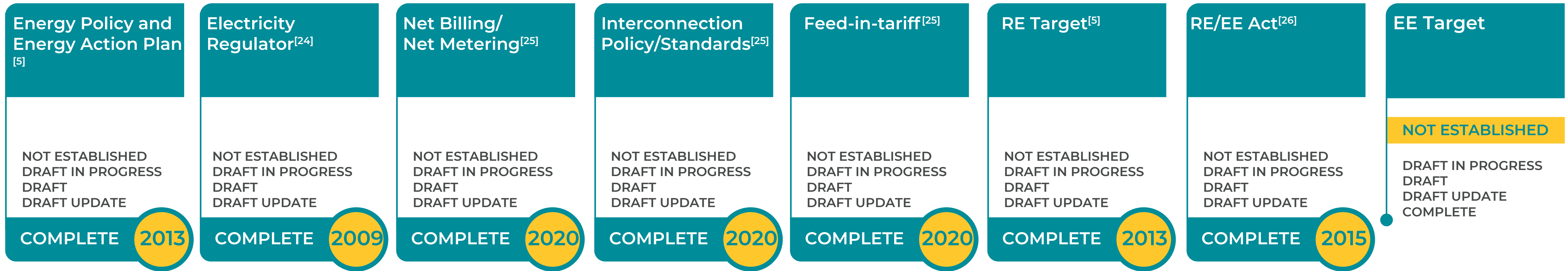
ENERGY PERFORMANCE STANDARDS/APPLIANCE LABELLING  
NONE

	No. of Persons Employed in Energy Sector	1002
	Total Installed Conventional Capacity (MW)	1294.2 <sup>[6]</sup>
	Total Installed RE (MW)	6 <sup>[6]</sup>
	Electricity System Losses (%)	~13% <sup>[6]</sup>
	Energy Use (kWh) Per Capita	3686.31 <sup>[6]</sup>
	Fuel and Oil Imports as % of GDP	Not Available
	Oil Imports as % of GDP	Not Available
	Electric Vehicle Stock	>300 <sup>[7]</sup>
	Climate Change Policy	The Commonwealth of The Bahamas National Policy for the Adaptation to Climate Change (2005) <sup>[8]</sup>
	Total Oil Import (BOE) per day	Not Available
	Total Oil Export (BOE) per day	Not Available
	Energy Intensity (BTU/\$)	Not Available
	National Repository for Energy Data	None

## Performance Against Targets



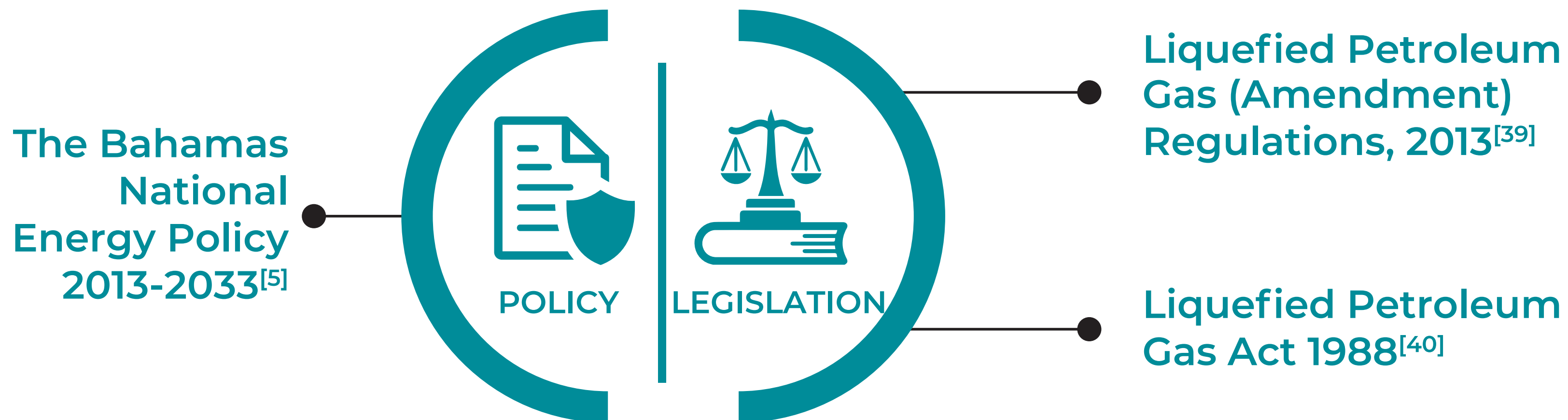




## Policies and Legislation Relevant to the Energy Sector

## KEY ACHIEVEMENTS

PLR Framework Timeline For Electricity Sector



- 1993** Public Utilities Commission Act <sup>[27]</sup>
- 2001** Electricity Act<sup>[28]</sup>
- 2009** Utilities Regulation and Competition Authority Act<sup>[29]</sup>
- 2010** Utilities Regulation and Competition Authorities (Amendment) Act<sup>[30]</sup>
- 2013** Electricity (Amendment) Bill (2013)<sup>[31]</sup>
- 2015** Electricity Act (2015)<sup>[26]</sup>
- 2015** Utilities Regulation and Competition Authority (Amendment) Act<sup>[32]</sup>
- 2018** The Electricity (Amendment) (No.2) Act<sup>[33]</sup>



## LEGISLATION RELEVANT TO THE TRANSPORTATION SECTOR

Petroleum Regulations Chapter 219 (2001)<sup>1</sup> [34]

Petroleum Regulations, 2016 (No. 2 of 2016)<sup>2</sup> [35]

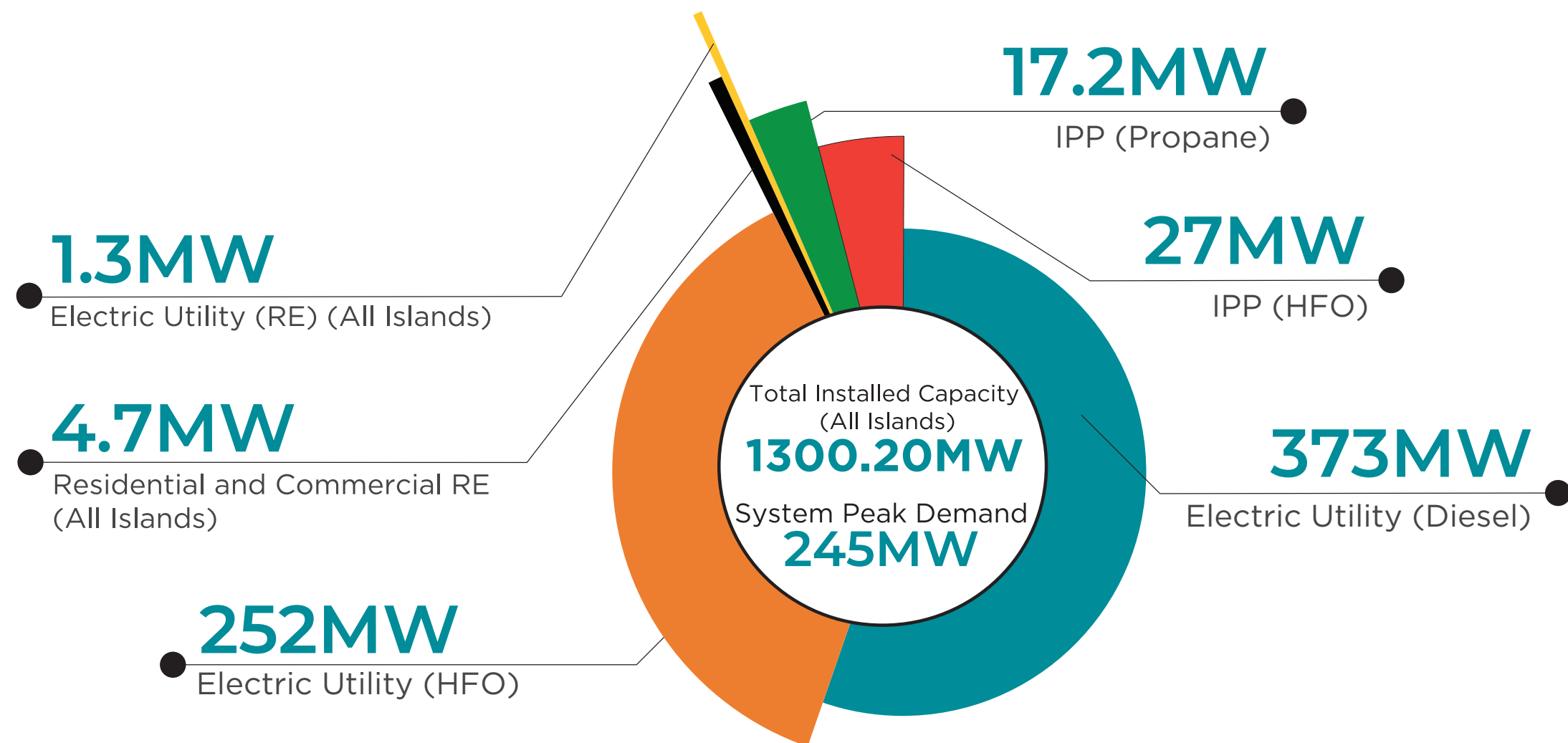
Road Traffic (Amendment) Act, 2019 [36]

Civil Aviation (Safety) Regulation, 2001 [37]

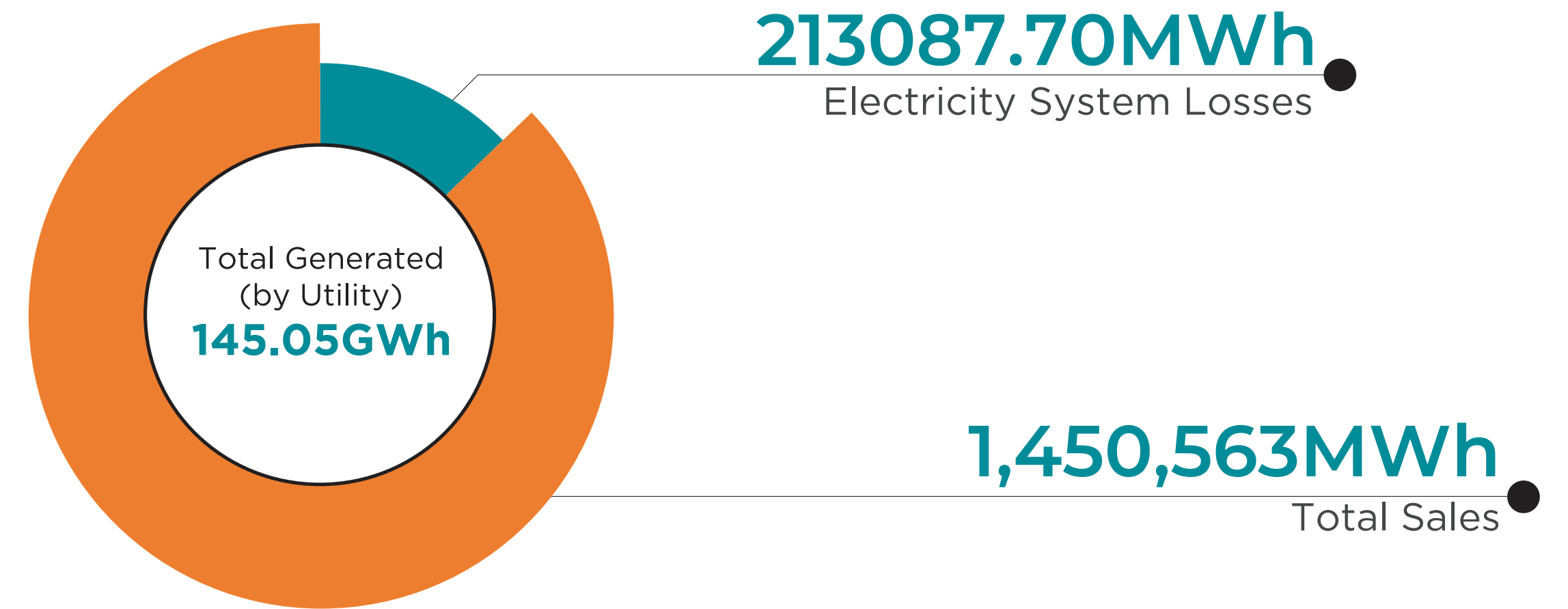
Road Traffic (Amendment) Act, 2019 [38]



### Installed Capacity (MWh)

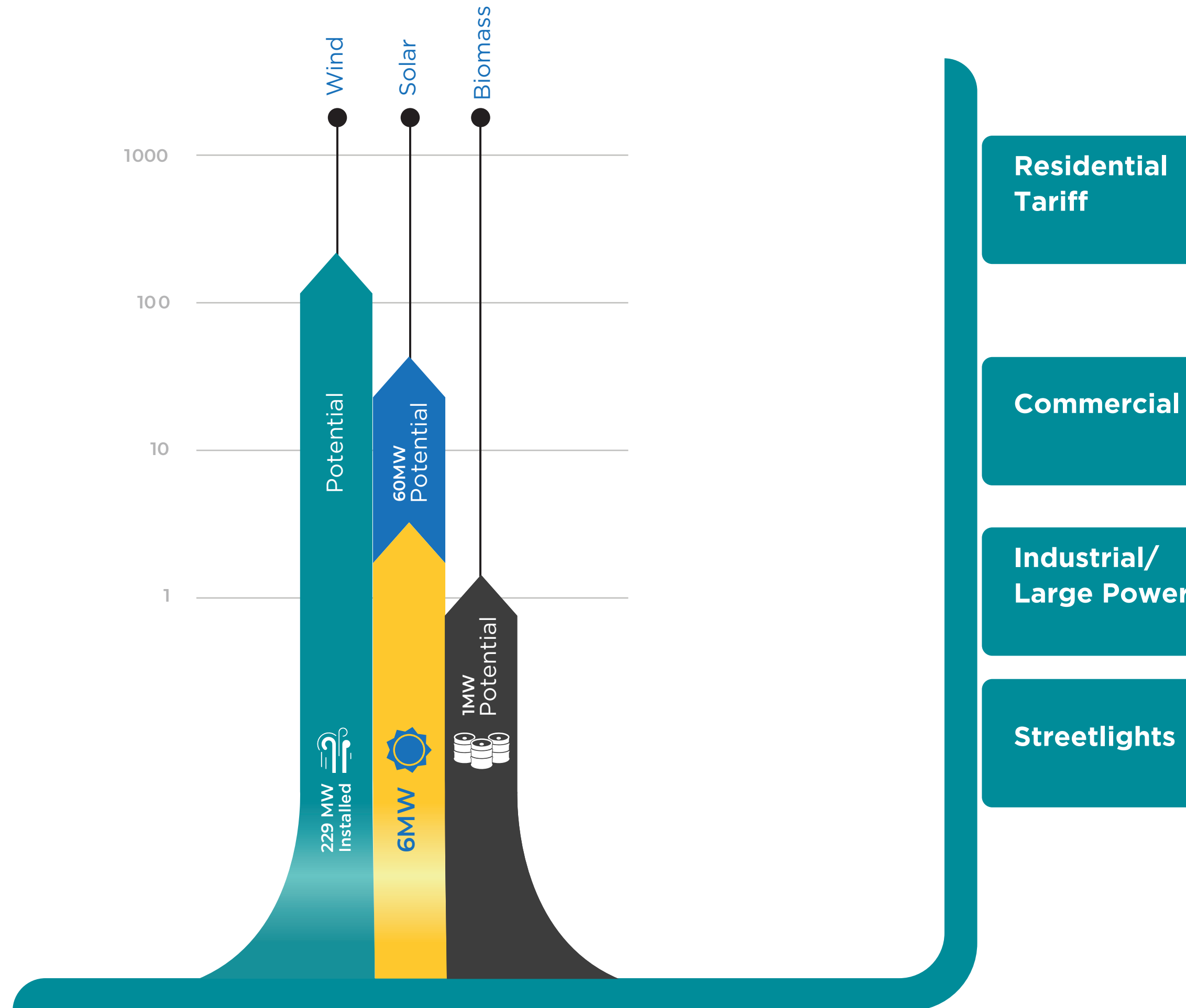


### Energy Consumption (MWh)<sup>4</sup>



3. The Electricity and Energy Efficiency data presented represents only Bahamas Power and Light Company  
4. The System Peak demand, Total Generation and Total Sales are reflective of New Providence Island only.

## Renewable Energy Resources



## Electricity Tariffs<sup>5</sup>


CATEGORY	US\$/kWh	
Residential Tariff	0 - 200	\$0.1095
	201 - 800	\$0.1195
	> 800	\$0.1495
Commercial		\$0.15
		\$0.15
Industrial/ Large Power	≤ 900,000	\$0.087
	> 900,000	\$0.062
Streetlights		\$0.15

5. These Electricity Tariffs are reflective of Bahamas Power and Light Company only

## Technical Assistance Projects



## Renewable Energy Projects



**SOLAR PHOTO-VOLTAIC**

**OWNERSHIP**  
Government Owned

**CAPACITY**  
**407KW**

**DEVELOPMENT PARTNER**  
Government of the Bahamas  
and IDB

**COST (USD)**  
**\$170,000,000**

**FUNDING SOURCE**  
IDB Loan



**SOLAR PHOTO-VOLTAIC**

**OWNERSHIP**  
Government Owned

**CAPACITY**  
**Not Available**

**DEVELOPMENT PARTNER**  
Government of the Bahamas  
and IDB

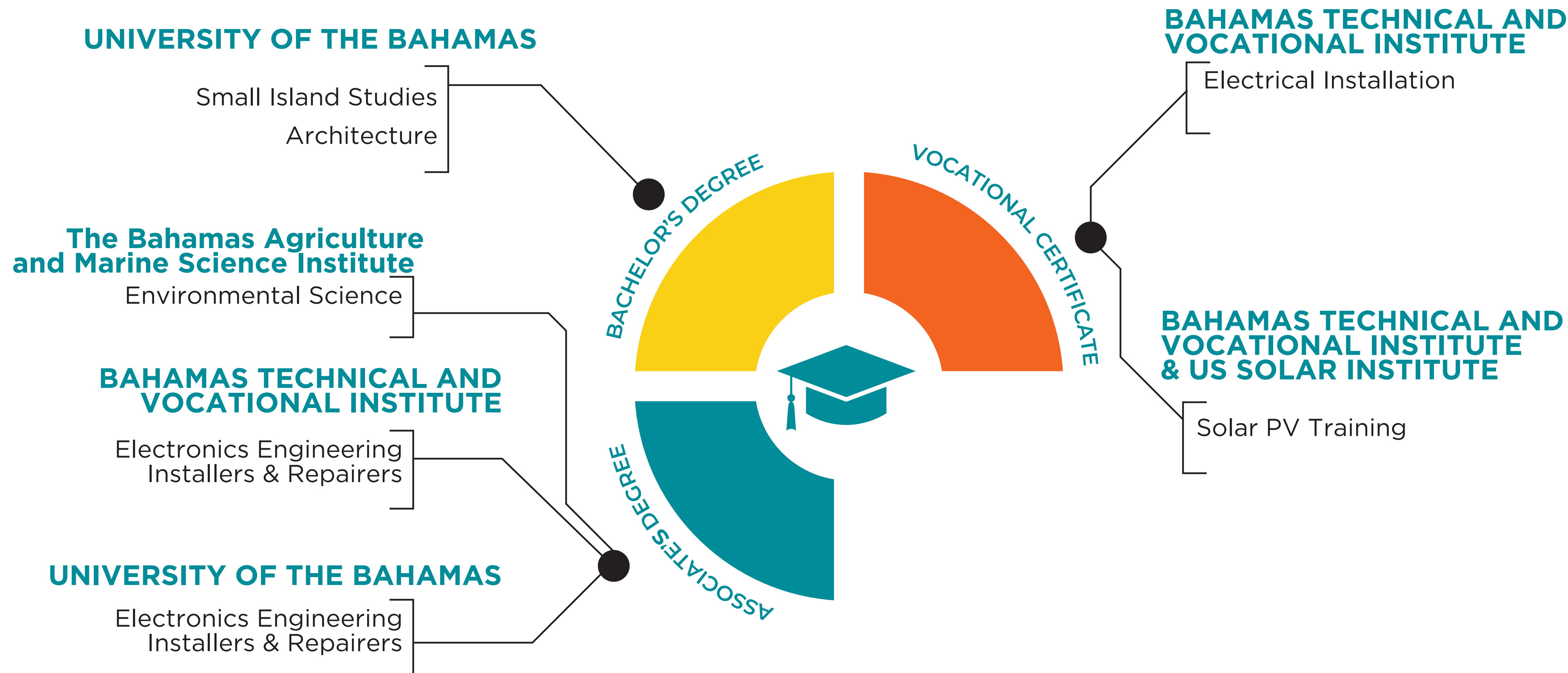
**COST (USD)**  
**\$4,900,000**

**FUNDING SOURCE**  
IDB Loan

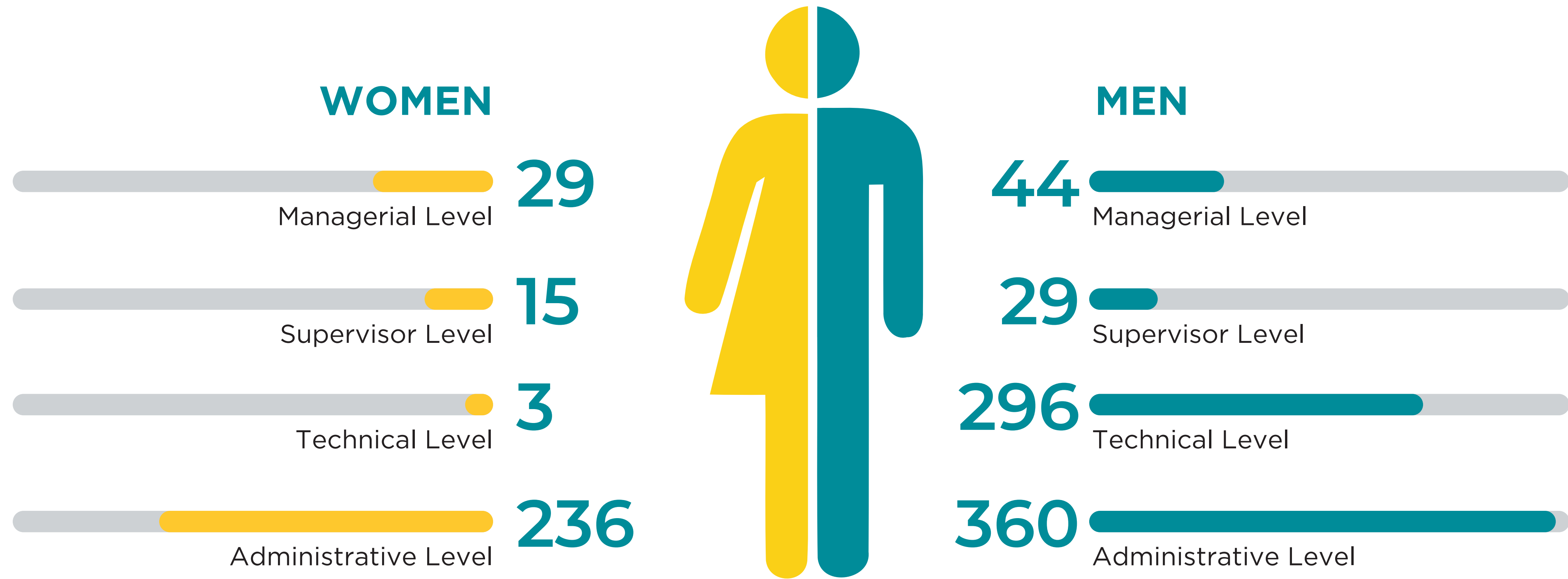



### ENERGY EFFICIENCY PROJECTS

There were no Energy Efficiency Projects reported for 2021.

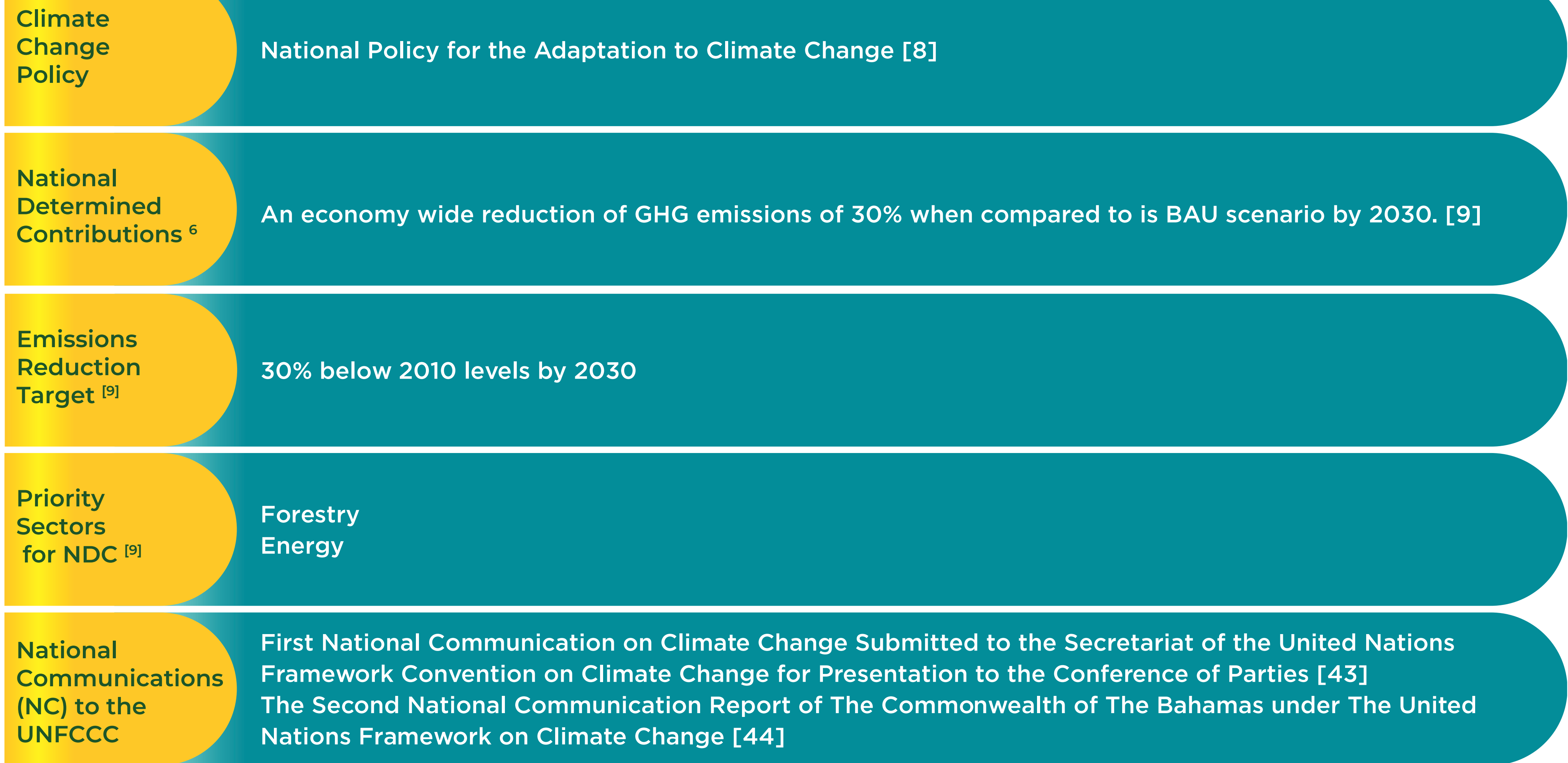


### No. of Persons Employed in the Energy Sector [7]





**TRANSPORTATION SECTOR**  
It was estimated that there are more than 300 electric vehicles in The Bahamas <sup>[7]</sup>  
No other data was provided for transportation sector for 2021



6. The National Determined Contribution for the Commonwealth of the Bahamas was updated November 2022 [45]



Emissions

	Gg				
	NMVOCS	NO	N <sub>2</sub> O	CH <sub>4</sub>	CO <sub>2</sub>
ENERGY					660.45
LUCF ONSITE BURNING OF FORESTS		0.12	0.00013	0.50	4.35
LUCF			0	0	0
LIVESTOCK				0.23	
SOLID WASTE				0.07	
COMM/INDUSTRIAL				0.003	
WASTEWATER AND SLUDGE				0.05	
ANIMAL WASTE MGMT			0.001		
GRAZING ANIMALS			0.004		
AGRICULTURAL SOILS			0.005		
LEACHING			0.03		
HUMAN SEWAGE			0.02		
FUGITIVE EMISSIONS	2.31				
ROAD SURFACING	0.17				

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