

# SURINAME

ENERGY REPORT CARD (ERC) FOR 2021



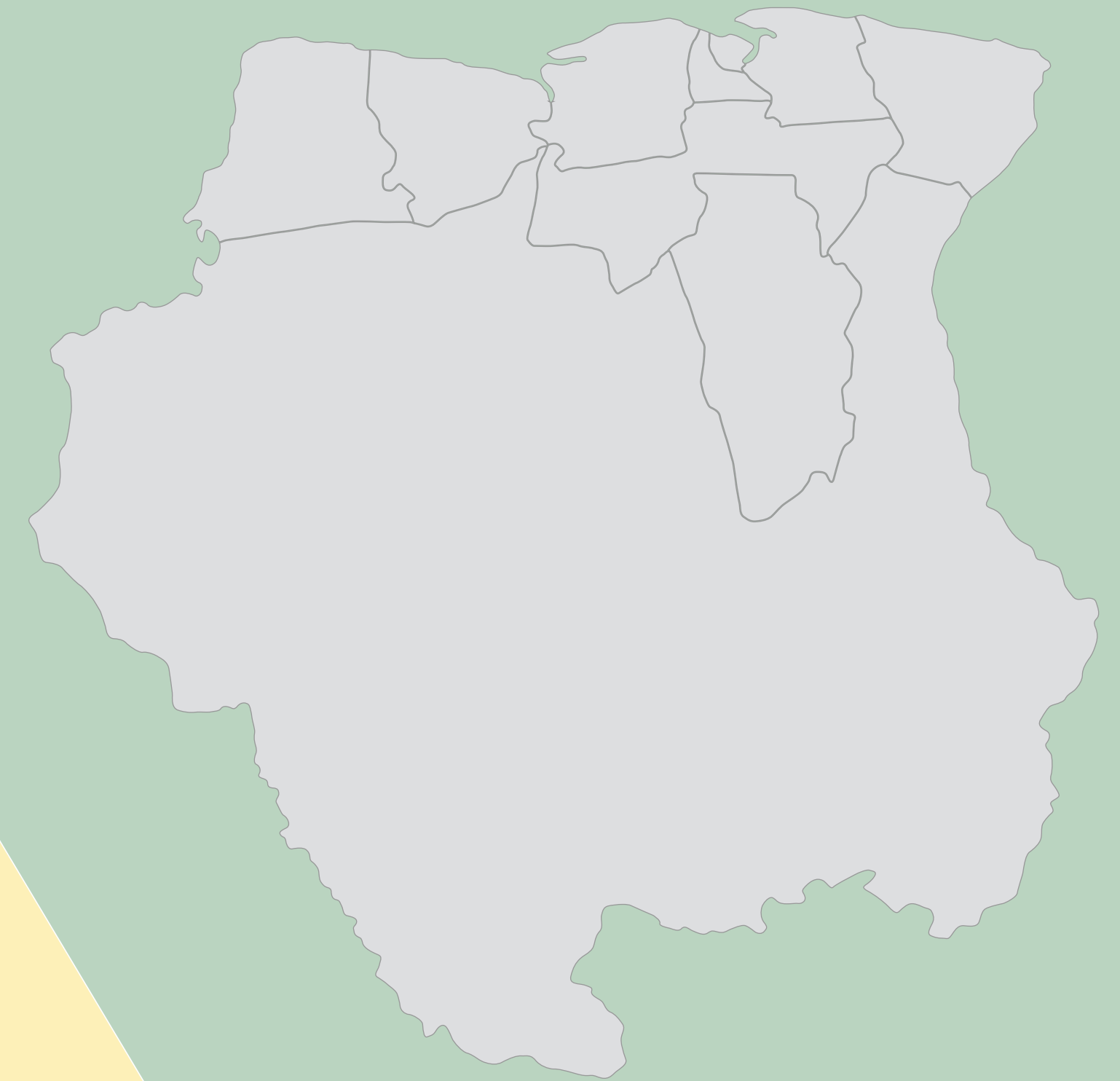
# INTRODUCTION

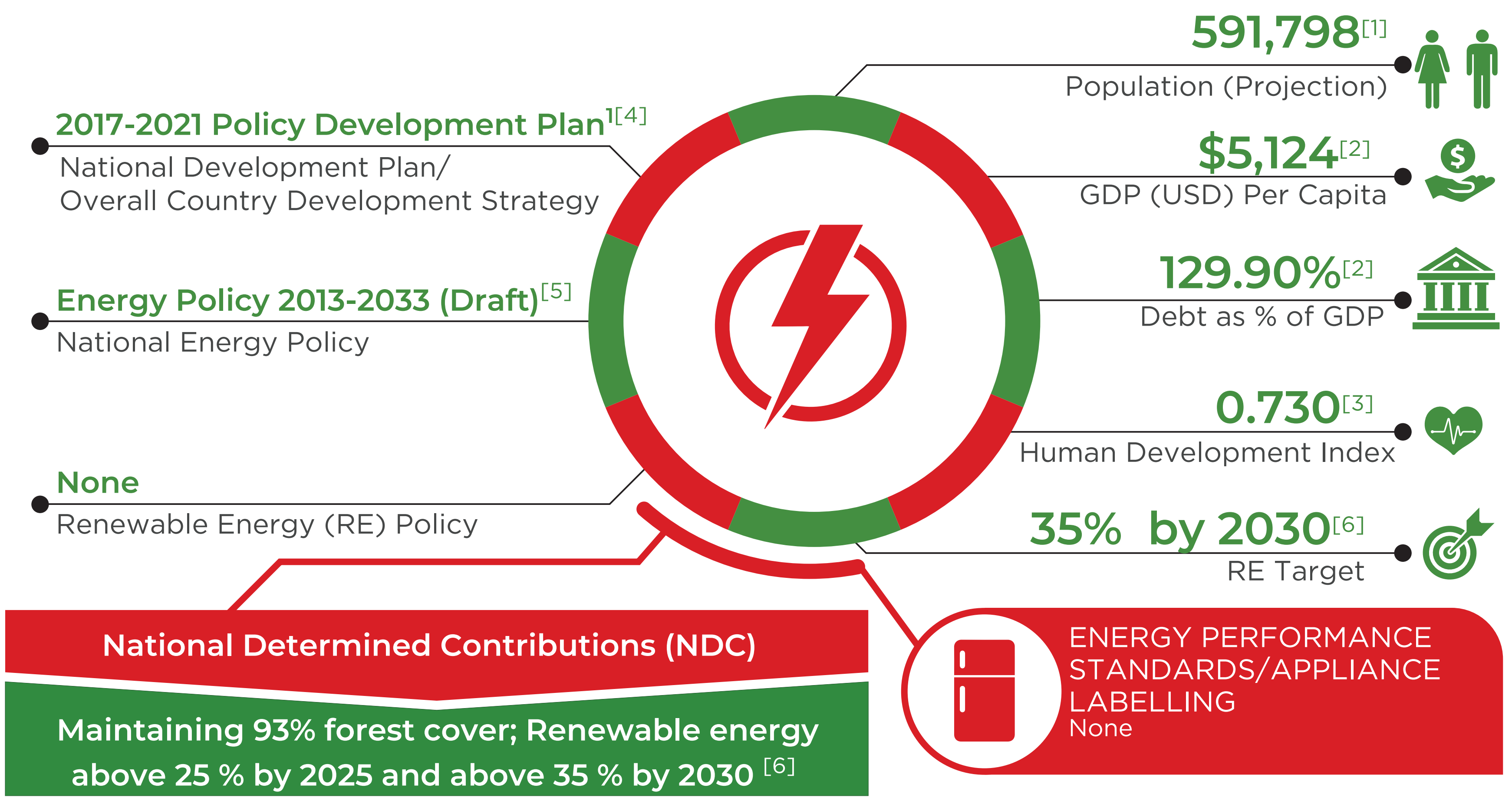
The ERC provides an overview of the energy sector performance in Suriname. The ERC also includes energy efficiency, technical assistance, workforce, training and capacity building information, subject to the availability of data.














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.

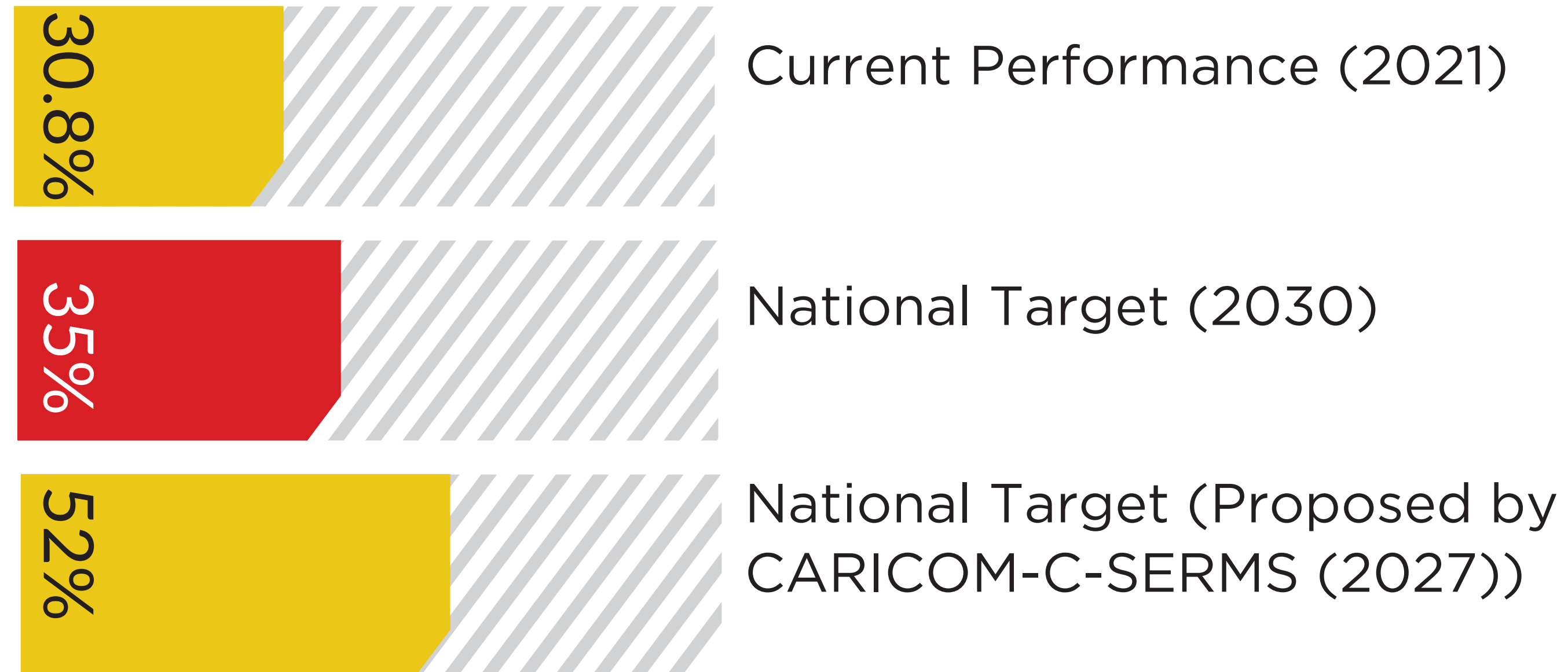




	No. of Persons Employed in Energy Sector	<b>2,737</b> <sup>2</sup>
	Total Installed Conventional Capacity (MW)	<b>443.59</b> <sup>[8]</sup>
	Total Installed RE (MW)	<b>197.69</b> <sup>[8]</sup>
	Electricity System Losses (%)	<b>11.54%</b> <sup>[8]</sup>
	Energy Use (kWh) Per Capita	<b>2,931.06</b> <sup>[8]</sup>
	Fuel and Oil Imports as % of GDP	<b>Not Available</b>
	Oil Imports as % of GDP	<b>Not Available</b>
	Electric Vehicle Stock	<b>0</b> <sup>[9]</sup>
	Climate Change Policy	<b>National Climate Change Policy, Strategy and Action Plan (2014 - 2021)</b> <sup>[10]</sup>
	Total Oil Import (BBL) per day	<b>3,301</b> <sup>[7]</sup>
	Total Oil Export (BBL) per day	<b>4,698</b> <sup>[7]</sup>
	Energy Intensity (BTU/\$)	<b>Not Available</b>
	National Repository for Energy Data	<b>sieSURINAME</b> <sup>3</sup>

1. The National Development Plan was updated to the Meerjaren Ontwikkelingsplan 2022-2026 van de Republiek Suriname [39].  
 2. [7] [31] [32] [8]  
 3. sieSURINAME was inactive during 2021

## Performance Against Targets



## GOVERNMENT MINISTRIES, DEPARTMENTS AND AGENCIES

- Ministry of Natural Resources (Ministerie van Natuurlijke Hulpbronnen)[12]
- Ministry of Spatial Planning and Environment (Ministerie van Ruimtelijke Ordening en Milieu)

## FUEL IMPORTERS AND SUPPLIERS

- GOW2 Energy Suriname N.V. <sup>4</sup>[14]
- Sol Suriname [15]
- RUBIS[16]

## ELECTRIC UTILITY

- NV Energiebedrijven Suriname [17]

## INDEPENDENT POWER PRODUCER

- IAMGOLD Rosebel [18]
- Staatsolie Power Company Suriname
  - SPCS Thermal
  - SPCS Hydro

## ELECTRICITY REGULATOR

- Suriname Energy Authority (Energie Autoriteit Suriname - EAS) [19]

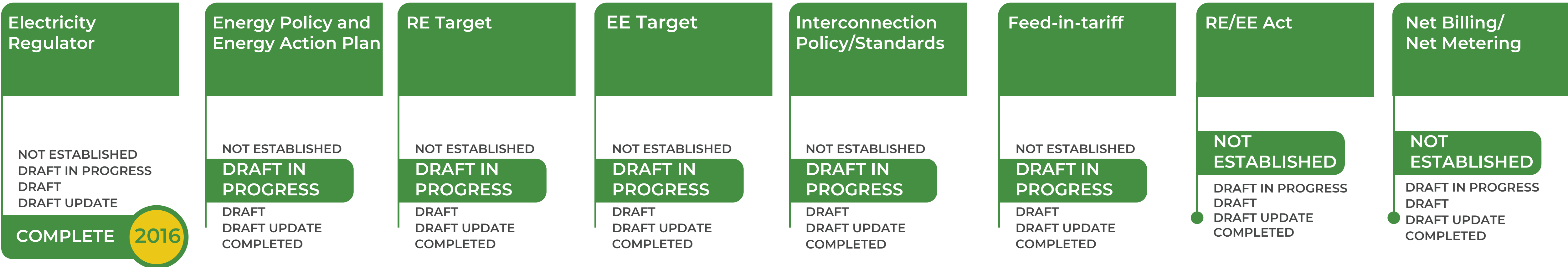
## TRANSPORTATION

- Ministry of Transport, Communication and Tourism (Ministerie van Transport, Communicatie en Toerisme)[20]

## OTHER

- Ministry of Economic Affairs, Entrepreneurship and Technological Innovation (Ministerie van Economische Zaken, Ondernemerschap en Technologische Innovatie)[21]
- Surinaams Standaarden Bureau [22]





## Policies and Legislation Relevant to the Energy Sector

## KEY ACHIEVEMENTS

PLR Framework Timeline For Electricity Sector



- 2016** Electricity Act, 2016 <sup>[23]</sup>
- DRAFT** Electricity Sector Plan 2022-2027<sup>[7]</sup>

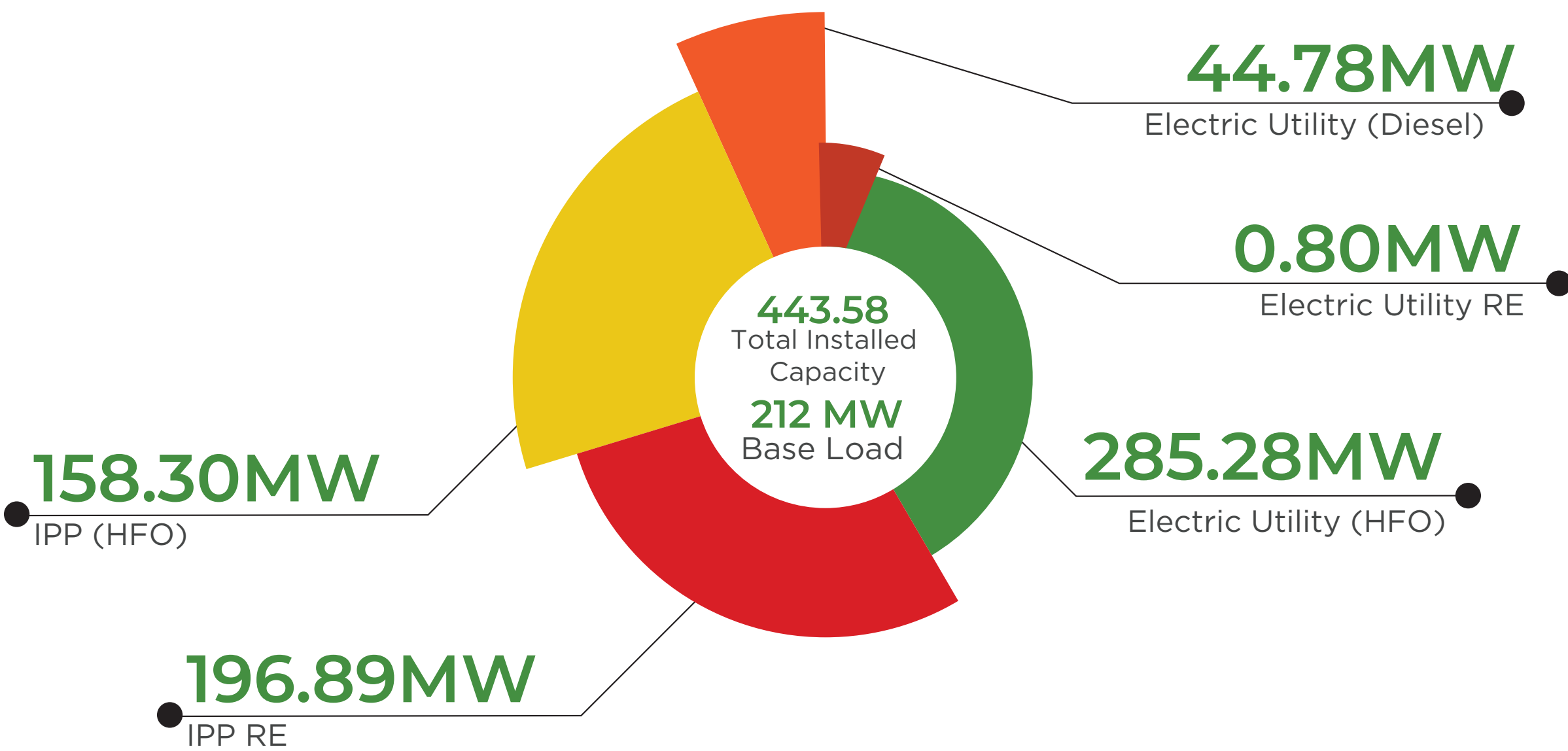


**POLICIES AND LEGISLATION RELEVANT TO THE TRANSPORTATION SECTOR**

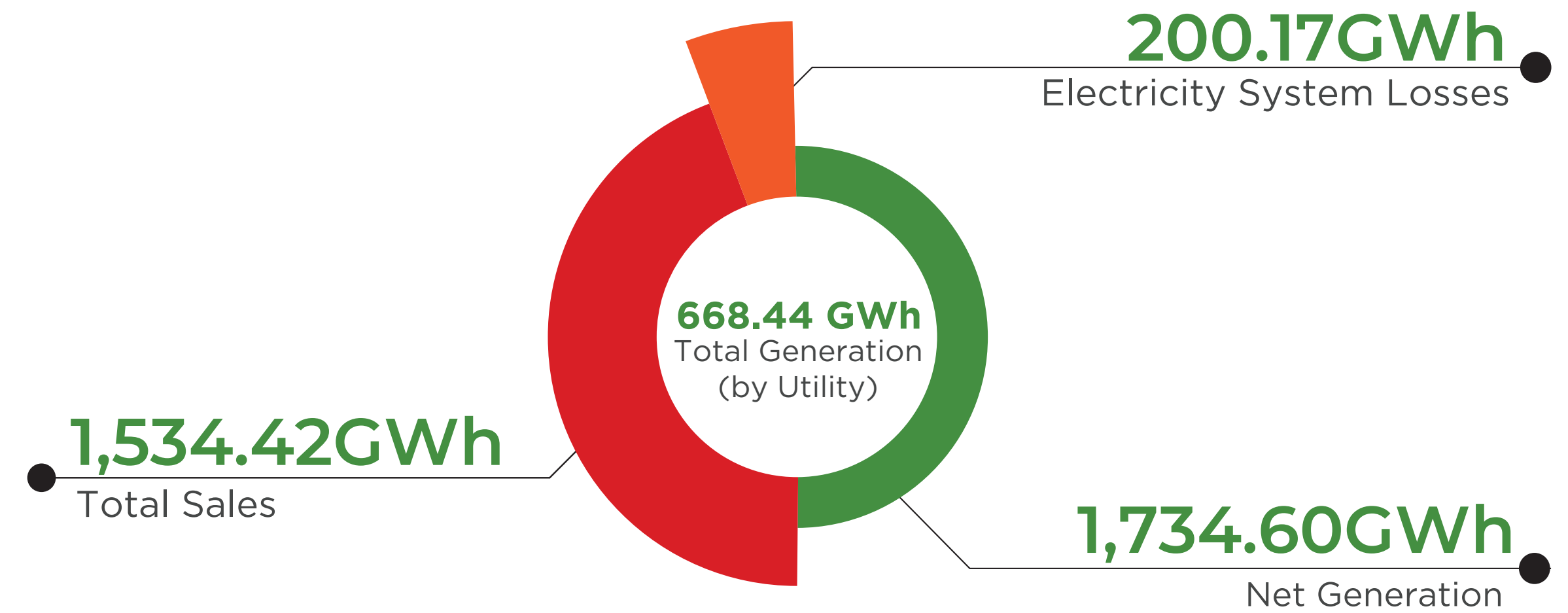
No policies or legislations were reported for the transportation sector



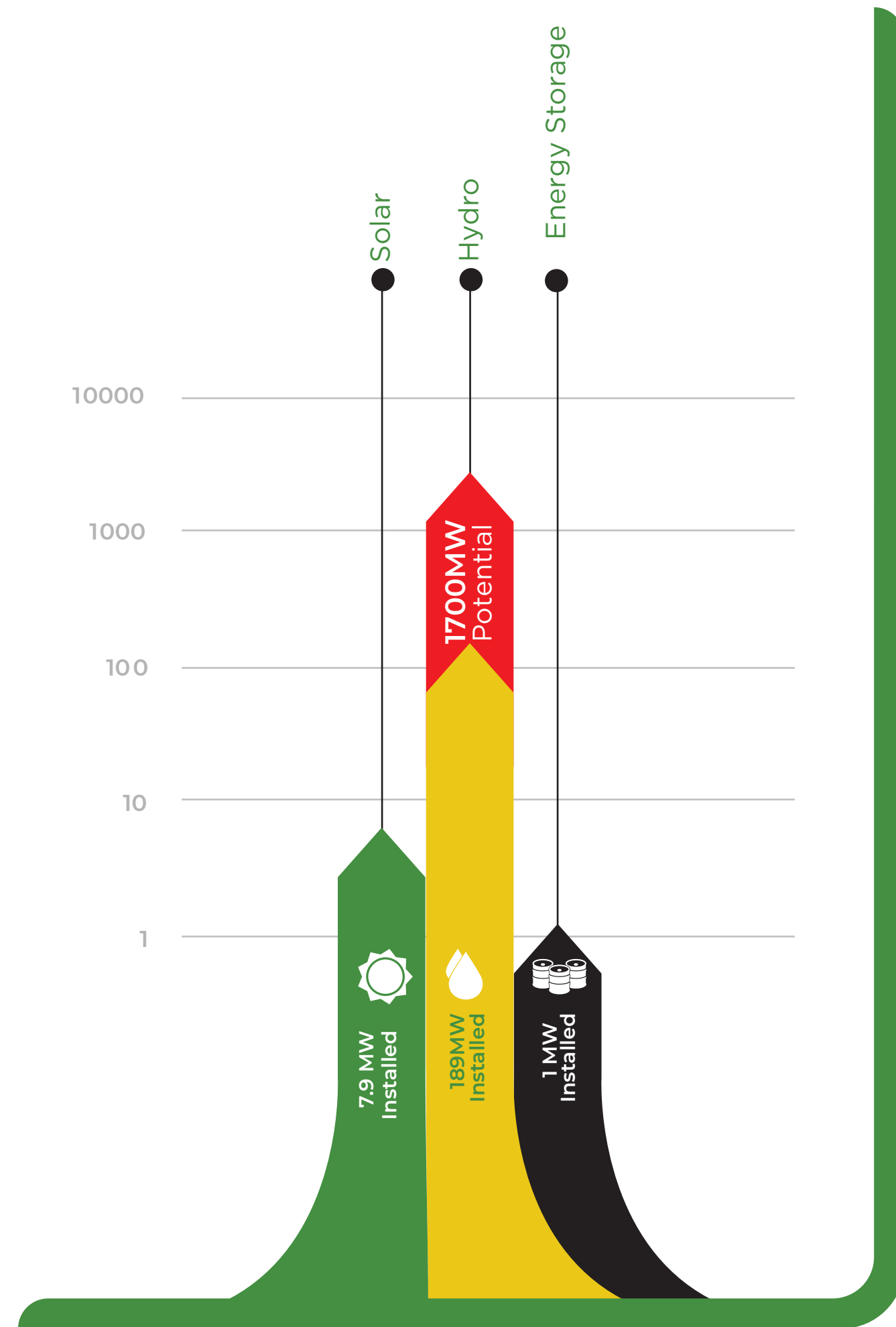
## Installed Capacity (MW)



## Energy Consumption (GWh)



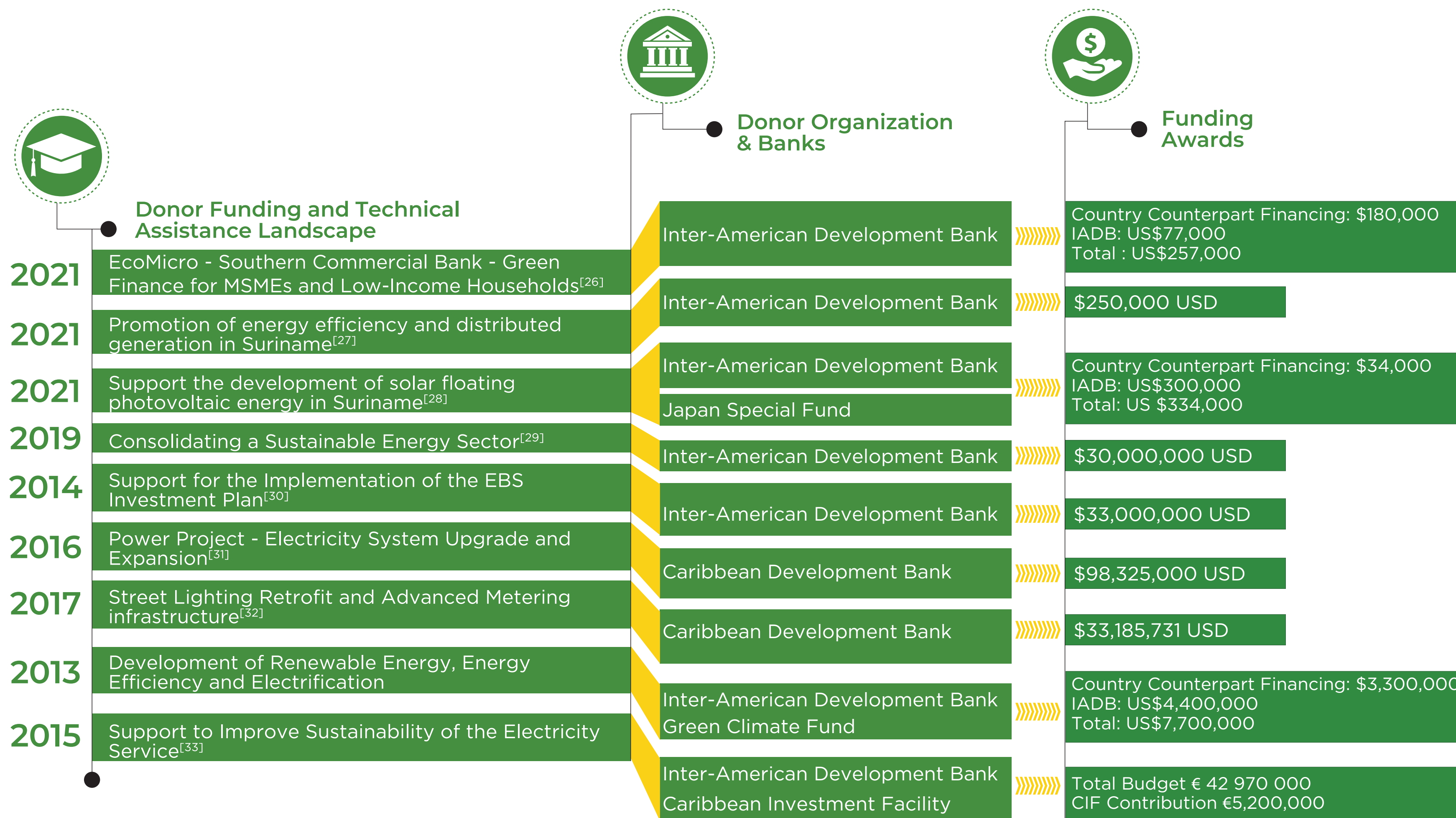
## Renewable Energy Capacity (MW)



## Electricity Tariffs

	BASE TARIFF (US\$/MONTH)	TARIFF (US\$/kWh <800 kWh)	TARIFF (US\$/kWh >800 kWh)
LV RESIDENTIAL 1 PHASE	1 - 400 kWh	0.03	
LV RESIDENTIAL 2 PHASE	401 - 1,000 kWh	0.04	
LV RESIDENTIAL 3 PHASE	>1,000	0.05	
		TARIFF (US\$/kWh <2600 kWh)	TARIFF (US\$/kWh >2600 kWh)
LV NON RESIDENTIAL 1 PHASE	\$5.25	0.060410959	0.09369863
LV NON RESIDENTIAL 2 PHASE	\$10.50	0.060410959	0.09369863
LV NON RESIDENTIAL 3 PHASE	\$15.75	0.060410959	0.09369863
	BASE TARIFF (US\$/MONTH)		
LV NON RESIDENTIAL > 24 kVA	\$0.58	0.060410959	0.09369863
HV NON RESIDENTIAL	\$0.68	0.060410959	0.09369863
STREETLIGHTING		0.084794521	

## Technical Assistance Projects



## Energy Efficiency Projects

## Renewable Energy Projects

Old/Existing Infrastructure

Not available

Consumption (KW)

6000 kW (measured, 25,648,243 kWh per year)

Annual Costs (USD)

\$4,730,903.27

Change in Old/Existing Infrastructure Expected in Upcoming Calendar Year

40,000  
21,000 smart meters will be installed

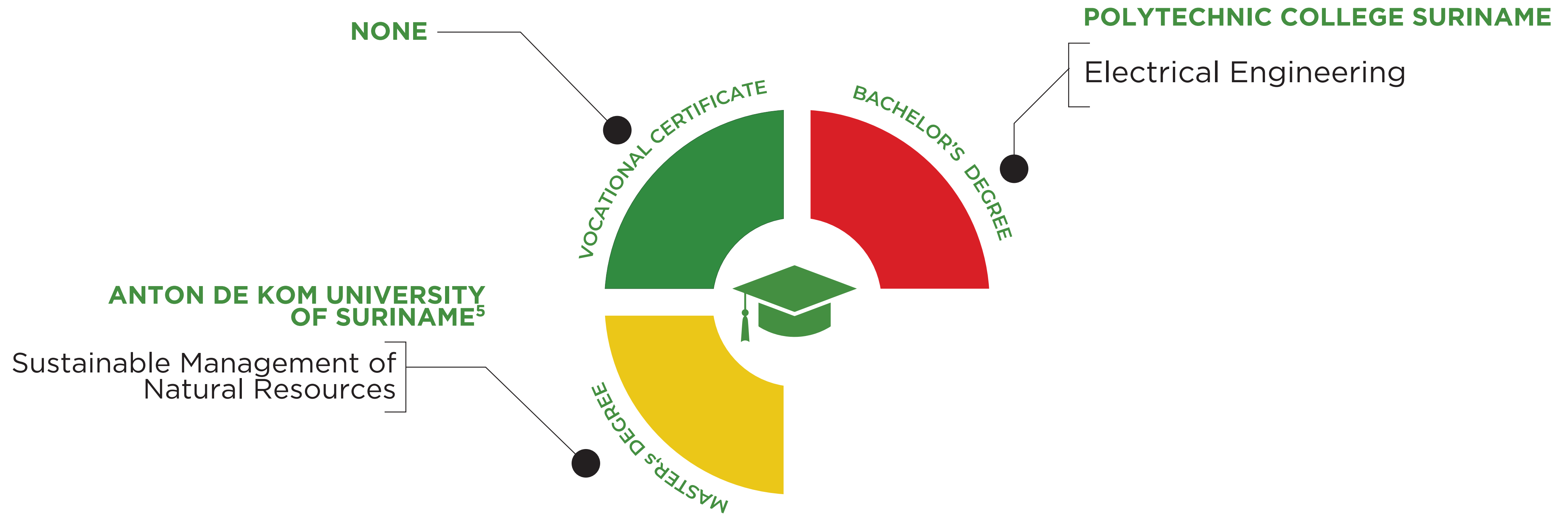
Expected Change in Technology

LED Lights will replace HPS Lamps



Renewable Energy Projects reported for 2021

There were no Renewable Energy Projects reported for 2021



5. The MSc in Renewable Energy Technology offered by the Anton de Kom University of Suriname was not available for registration during the 2021/2022 academic year but was ongoing to allow students to complete the programme.



## Persons Employed in the Energy Sector

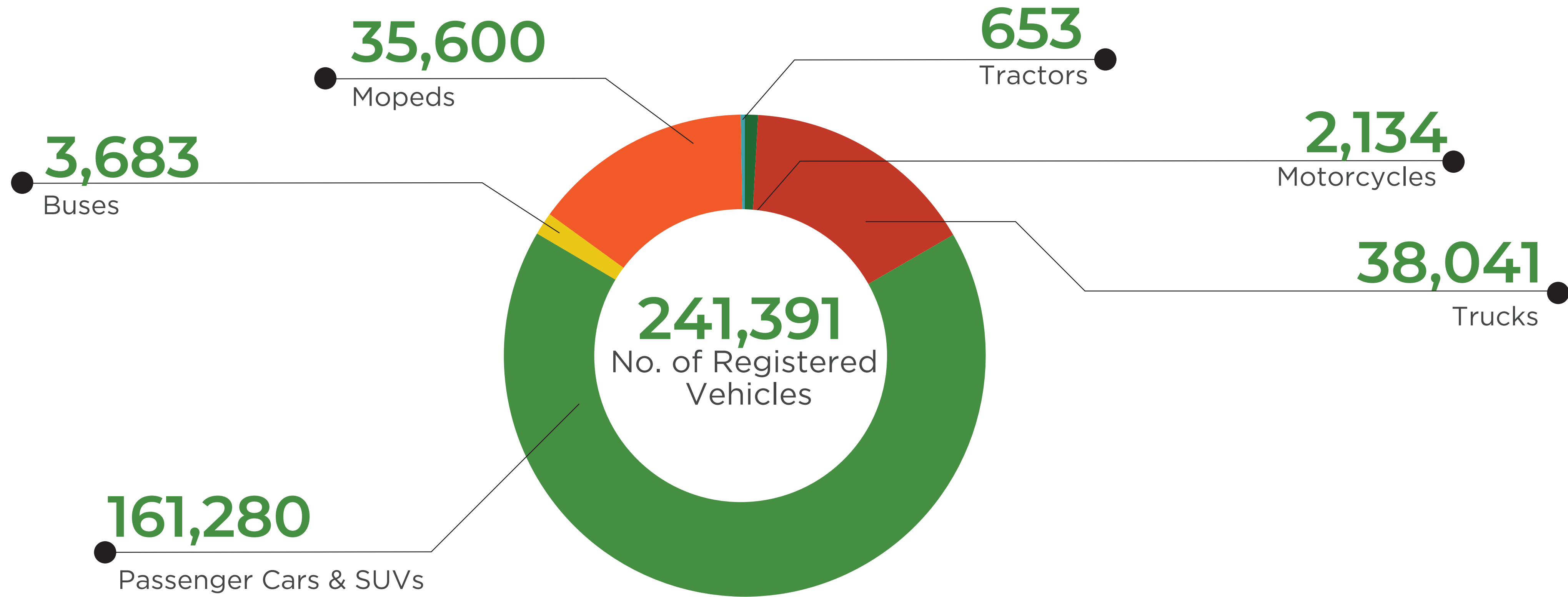


**WORKFORCE**  
There were 2,737 persons employed in the energy sector <sup>6</sup>

6. The data submitted was not disaggregated by gender or employment level.



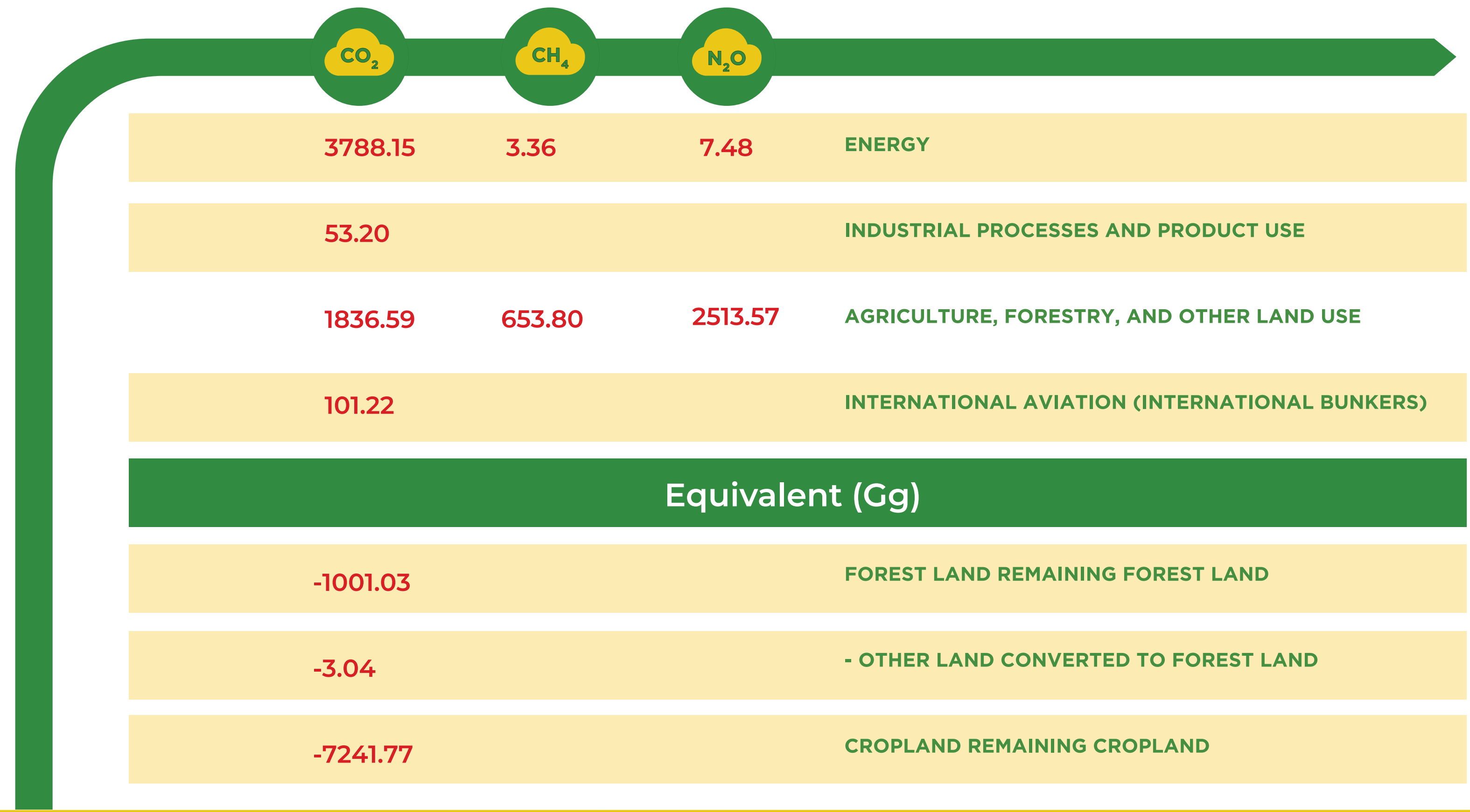
### Registered Vehicles



<b>Climate Change Policy</b>	National Climate Change Policy, Strategy and Action Plan (2014 - 2021) [10]
<b>National Determined Contributions [6]</b>	Maintaining 93% forest cover; Renewable energy above 25 % by 2025 and above 35 % by 2030
<b>Emissions Reduction Target [6]</b>	An estimated 70% of emissions from the following sectors: Forests, energy, agriculture, and transport.
<b>Priority Sectors for NDC [6]</b>	Forestry Energy Transportation Agriculture
<b>National Communications (NC) to the UNFCCC</b>	Republic of Suriname First National Communication under the United Nations Framework Convention on Climate Change (2005) [36] Republic of Suriname Second National Communication to the United Nations Framework Convention on Climate Change (2016) [37]

Summary of Suriname GHG Emissions and Removals (Gg) for 2008 [37]

Emissions CO<sub>2</sub> Equivalent (Gg)



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