

2023

ENERGY REPORT CARD

HAITI





Introduction

This is the Energy Report Card (ERC) for 2023 for Haiti.

The ERC provides an overview of the energy sector performance, highlighting the following areas:

- Installed Conventional and Renewable Power Generation Capacity
- Annual Electricity Generation, from Conventional and Renewable Plants
- Other Electricity Sector Metrics, such as Losses, Consumption, and Tariffs
- Renewable Energy Targets
- Renewable Energy Resource Potential

The ERC also includes sectoral data and information on policies and regulations; workforce; training and capacity building; and related areas.

The data and information that are available in the ERC were mostly provided by the government ministries, agencies, and departments, that have responsibility for statistics and planning, in general, and the energy sector and electricity subsector including the electric utilities, in particular. The data and information collected was supplemented by desk-based research and, in instances, information was generated from calculations and analyses that were performed by the CCREEE.

Quality Assurance

The collection and treatment of data and information that is produced for the ERC is consistent with the International Recommendations for Energy Statistics (IRES), which provides a comprehensive methodological framework for the collection, compilation, and dissemination of energy statistics in all countries irrespective of the level of development of their statistical system. The ERC is produced in accordance with these performance standards that seek, as far as is possible, to ensure the quality (i.e., objectivity, utility, and integrity) of data and information that it disseminates to the public.

The CCREEE strives for transparency on the information and methods that are used within the production of the ERC, with a view to improve understanding on how the information should be treated and to facilitate reproducibility of the information. Nevertheless, the Centre recognizes that quality may be limited by the nature and source of the data and information disseminated.

Disclaimer

The ERC includes data and information that is contained in a variety of public sources and, though every effort is made to validate the accuracy and validity of the contents, reliance on the information herein is strictly at the user's risk.

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Energy Sector Summary

Population (Estimation)	11,637,398 [1]
GDP (USD)	\$ 19,850,830,000 [2]
GDP (USD) Per Capita	\$ 1,705.8 [3]
Gross National Income (GNI) Per Capita (USD)	\$ 1,760 [2]
Debt as % of GDP	24 % [3]
Human Development Index	0.552 [3]
National Development Plan/Overall Country Development Strategy	None
National Energy Policy	Avant-Projet de Politique Énergétique de la République d'Haïti (<i>Draft Energy Policy of the Republic of Haiti</i>) ¹
Renewable Energy (RE) Policy	Vision et Actions du Gouvernement Haïtien pour Amorcer Vers une Énergie Propre (<i>Vision and Actions of the Haitian Government to Initiate Towards Clean Energy</i>) [5]
Renewable Energy Target	23% by 2030 [6]
Energy Efficiency Target	None

Total Installed Conventional Capacity (MW)	382.3 MW [9] [10]
Total Installed RE (MW)	68.91 MW [9] [10]
Electricity System Losses (%)	45% [9] [10]
Energy Use (kWh) Per Capita	50 kWh
National Repository for Energy Data	None
Energy Performance Standards/Appliance Labelling	None
Climate Change Policy	Politique Nationale de Lutte contre les Changements Climatiques (PNCC) (<i>National Policy for the Fight against Climate Change</i>) (2019) [7]
Nationally Determined (NDC) Summary [8]	Unconditional reduction of 6.32% compared to the baseline. (<i>Réduction inconditionnelle de 6,32 % par rapport à la référence.</i>) Conditional reduction of 25.5% compared to the baseline. (<i>Réduction conditionnelle de 25,5 % par rapport à la référence.</i>)

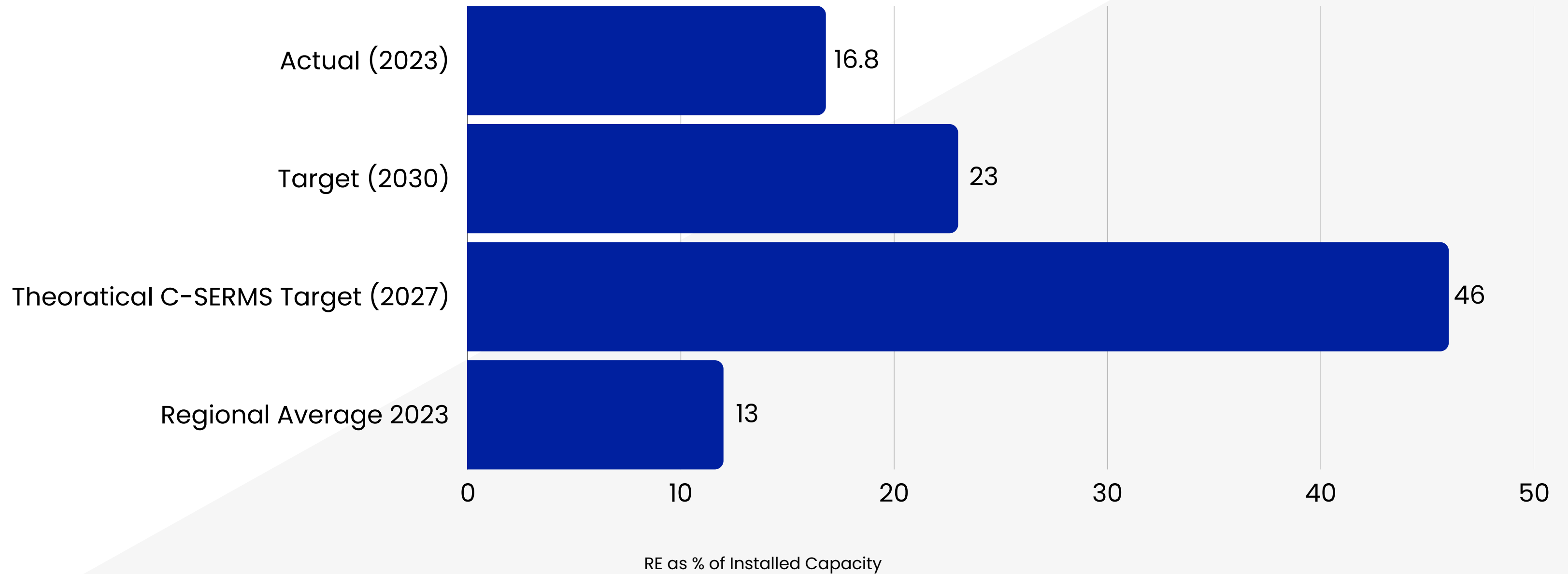
The information presented reflects the most recent year—2022—for which complete and verified energy data are available.

1 - This document is not available for public viewing.



Energy Sector Performance [9][10][11]

Renewable Energy Capacity Against Targets



The information presented reflects the most recent year—2022—for which complete and verified energy data are available.



Government Ministries, Departments and Agencies

Ministère des Travaux Publics, Transport et Communications
(*Ministry of Public Works, Transport and Communications*) [12]

- Cellule Energie (Energy Unit)
- L'Office d'Assurance Vehicules Contre Tiers (OAVCT) (*The Third Party Vehicle Insurance Office*)
- Bureau des Mines et de l'Energie (*Bureau of Mines and Energy (BME)*) [13]

Mistère de l'Environnement (Ministry of Environment) [14]

- Department du Changement Climatique (*Department of Climate Change*)

Bureau de Monétisation des Programmes d'Aide au Développement (PMPAD) (*Office of Monetization of Development Assistance Programs*)

Fuel Importers & Suppliers

Bandari [16]

Dinasa [15]

Sol Haïti [17]

Association Nationale des Distributeurs de Produits Pétroliers (ANADIPP) [18]

DNC [19]

Kimazout [20]

Capinvest [21]

Key Energy Stakeholders

Independent Power Producer

E-Power [27]
Sogner
Haytrac [24]
Centrale Tripartite PBM
Petion-Marti-Bolivar

Electricity Regulator

Autorité Nationale de Régulation du Secteur de l'Energie (*National Authority of Regulation of the Energy Sector*) [26]

Electric Utility

Electricité D'Haïti (EDH) (*Electricity of Haiti*) [22]

Microgrids

NRECA International [26]

Enèji pwòp (is led by Earthspark International) [27]

Coopérative Electrique de l'Arrondissement de Coteaux (CEAC) (*Cooperative Electricity of the Coteaux District*) [28]

Sigora [29]



Policy, Legal and Regulatory (PLR) Framework

	Year	Status
Energy Policy ²	2012	Draft
Energy Action Plan		Not Established
RE Target [6]	2015	In Force
EE Target		Not Established
Electricity Regulator [30]	2016	In Force
Net Billing/Net Metering [31]	2016	Draft
Interconnection Policy/Standards		Not Established
Feed-In-Tariff		Draft in Progress
Integrated Resource and Resilience Plan		Not Established
RE/EE Act		Not Established

2 - No longer available online



Policy, Legal and Regulatory (PLR) Framework

Key Achievements: PLR Framework Timeline for Electricity Sub-Sector



Policies Relevant to the Energy Sector

Year	Name	Status	Description
2003	Haiti: Energy Sector Development Plan 2007 – 2032 [34]	In Force	Enables decision-makers and various stakeholders to have a tool for managing the sector and provide an improvement to the severe energy crisis despite the fact that its local energy resources, in (particular biomass and to a lesser extent hydropower, satisfy about 80% of its energy needs
2012	Avant-Projet de Politique Energétique de la République D'haïti (Draft Energy Policy of the Republic of Haiti)	In Force	The policy was designed to address the energy challenges of the country by meeting the needs of the population, promote energy efficiency and research and development in renewable energy and explore fossil fuel energy sources.



Policy, Legal and Regulatory (PLR) Framework

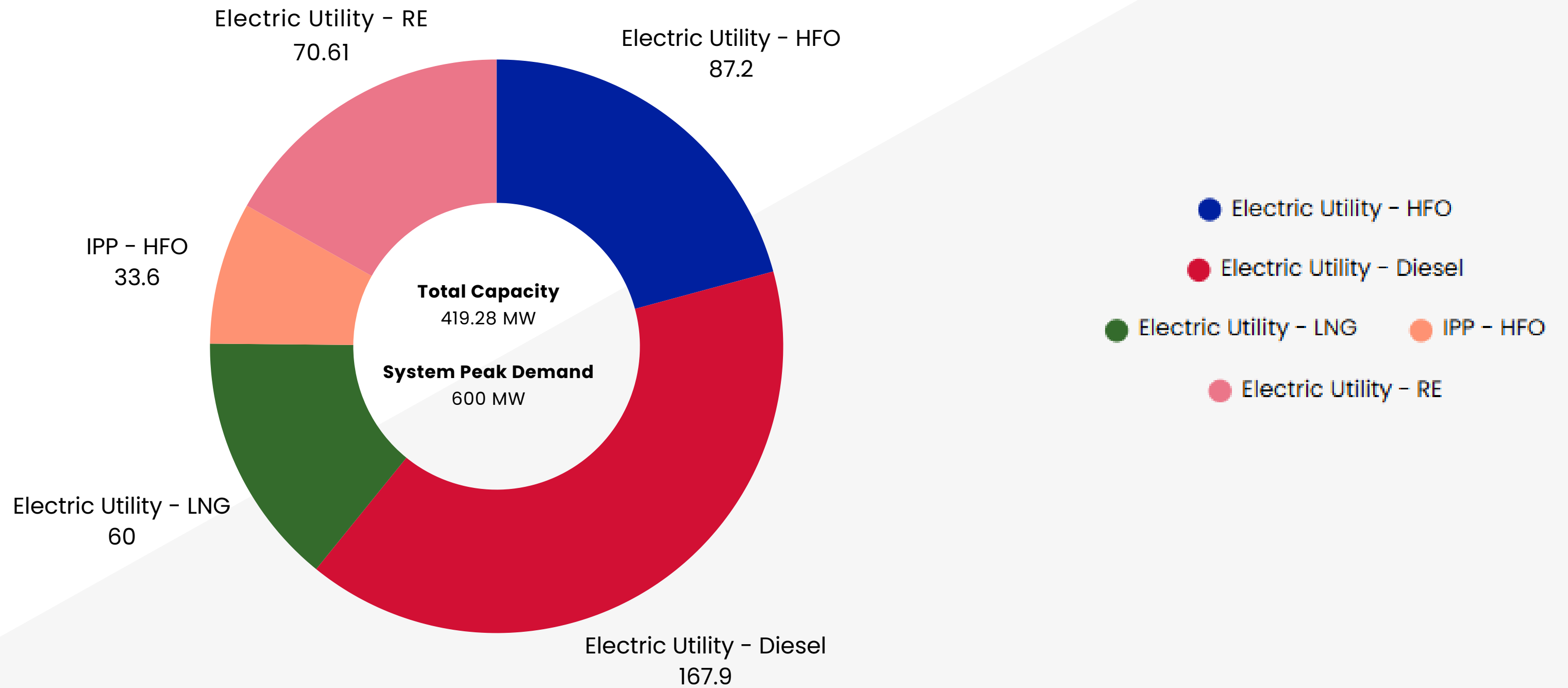
Legislation Relevant to the Energy Sector

Year	Name	Status	Description
2005	Décret du 12 Octobre 2005 portant sur la gestion de l'environnement et la régulation de la conduite des citoyens et citoyennes pour un développement durable (<i>Decree of October 12, 2005, on the management of the environment and the regulation of the conduct of citizens for a sustainable development</i>) [37]	In Force	Recognising that the environment supports economic growth and influences the quality of life thereby it is imperative to safeguard and protect the environment.
2016	Décret du 6 Janvier 2016 régissant le secteur de l'énergie Électrique (<i>Decree of January 6, 2016, governing the energy sector</i>) [33] [38]	In Force	The Act seeks to provide legal, governance, regulatory framework for the importation, storage and licence to sell petroleum.
2016	Décret du 6 Janvier 2016 fait de l'EDH un organisme autonome à caractère industriel et commercial jouissant de la personnalité juridique et de l'autonomie financière (<i>Decree of January 6, 2016, makes EDH an autonomous organization of an industrial and commercial nature with legal personality and financial autonomy</i>) [33] [39]	In Force	



Electricity and Energy Efficiency [9] [10] [11] [40]³

Installed Capacity (MW)

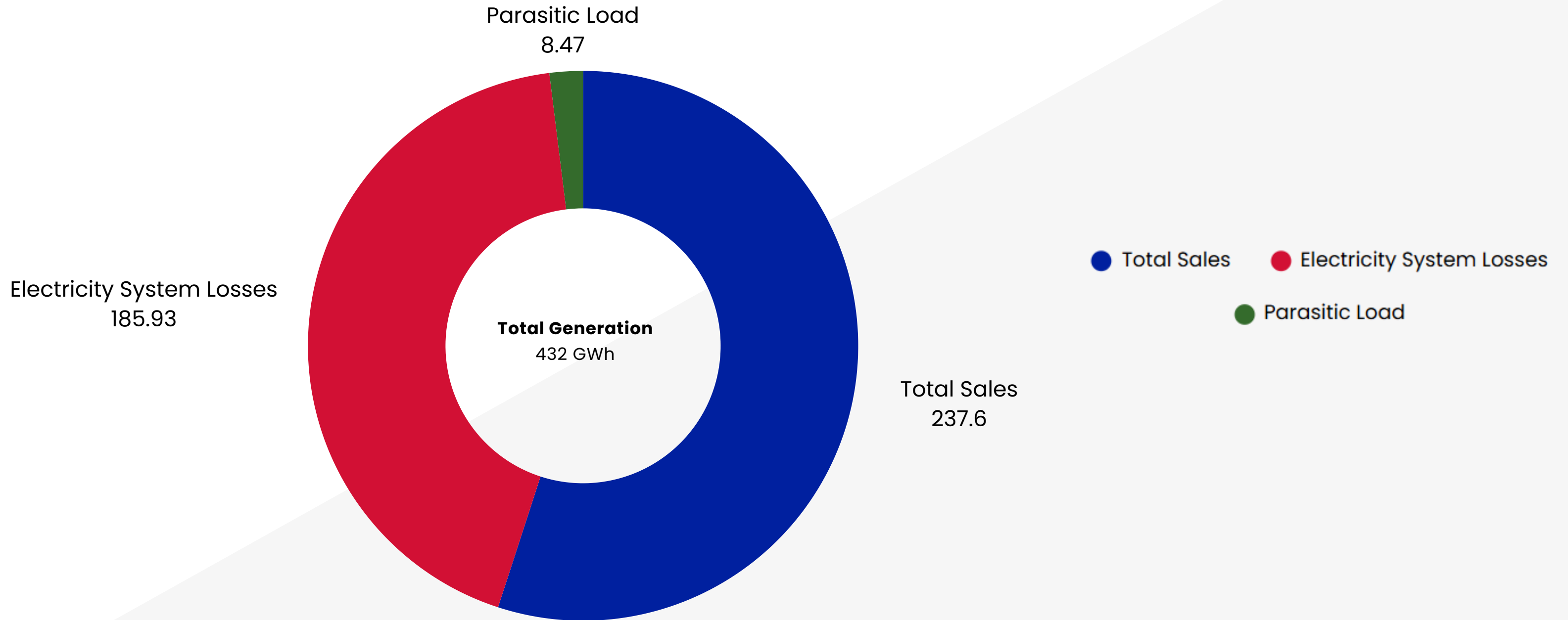


3 - The information presented reflects the most recent year—2022—for which complete and verified energy data are available.



Electricity and Energy Efficiency [9] [10] [11] [40]⁴

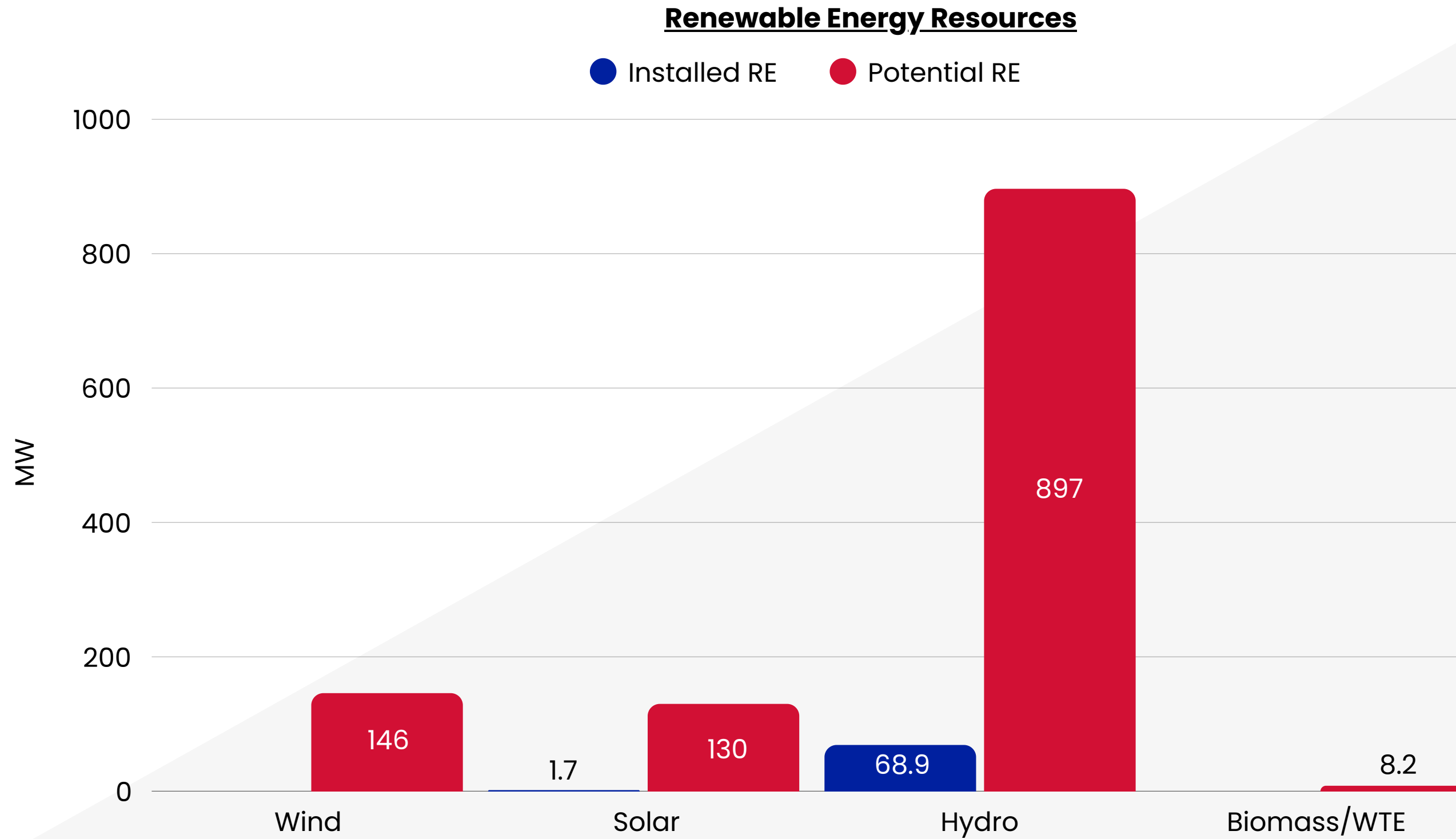
Energy Generation (GWh)



4 - The information presented reflects the most recent year—2022—for which complete and verified energy data are available.



Electricity and Energy Efficiency [9] [10] [11] [40]⁵



5 - The information presented reflects the most recent year—2022—for which complete and verified energy data are available.



Electricity and Energy Efficiency

Electricity Tariffs [41]

Rate Class	Monthly Consumption/Demand	Semi-Autonomous Centre (US\$/kWh) ⁶	Port-au-Prince and other regions ((US\$/kWh)
Residential EDH	≤ 30	\$ 0.06	\$ 0.04
	31-200	\$ 0.06	\$ 0.04
	> 200	\$ 0.11	\$ 0.11
	Average	\$ 0.07	\$ 0.06
Commercial	≤ 30	\$ 0.10	\$ 0.10
	31 -200	\$ 0.12	\$ 0.12
	> 200	\$ 0.13	\$ 0.13
	Average	\$ 0.13	\$ 0.13
Industrial Large Power	Off Peak Hours	\$ 0.11	\$ 0.11
	Peak Hours	\$ 0.12	\$ 0.12
	Average	\$ 0.12	\$ 0.12
Street Lights	≤ 30	\$ 0.12	\$ 0.12
	31 -200	\$ 0.12	\$ 0.12
	> 200	\$ 0.12	\$ 0.12
	Average	\$ 0.12	

6 - Refers to the areas outside of the PAP and the other established regions, viz. Saint-Marc, Jacmel, Les Cayes, and Cap-Haïtien



Projects in the Pipeline Programmes

Programme Name	Executing Agencies	Technical Assistance Providers	Funding Awards	Funding Source
Improving Access to Electricity in Haiti [42] [43]	Unité Technique d'Exécution (UTE) (<i>Technical Execution Unit (UTE)</i>)	National Energy Sector Regulatory Authority (ANARSE)	US\$ 38,000,000.00	Inter-American Development Bank
Soutien à l'exploitation durable du réseau électrique de Péligre (SEDUREP) (<i>Support to the sustainable operation of the Peligre Electric power system</i>) [44]	Unité Technique d'Exécution (UTE) (<i>Technical Execution Unit (UTE)</i>)	National Energy Sector Regulatory Authority (ANARSE)	US\$ 1,317,764.00	Inter-American Development Bank
Battery Energy Storage System to maximize the use of surplus energy from a solar photovoltaic plant located in the Caracol Industrial Park of Haiti [45]	Ministere De L'Economie Et Des Finances (Ministry of Economy and Finance - MEF)	National Energy Sector Regulatory Authority (ANARSE) e Ministry of Public Works, Transport and Communication	Clean Technology Fund - \$ 350,000.00	Inter-American Development Bank - Clean Technology Fund
			IADB - US\$ 2,650,000.00	
Support to the execution of electricity access programs in Haiti [46]	Inter-American Development Bank		\$ 150,000.00	Inter-American Development Bank - Clean Technology Fund



Projects in the Pipeline

Programmes

Programme Name	Executing Agencies	Technical Assistance Providers	Funding Awards	Funding Source
Development of sustainable energy access projects in Haiti with private sector participation <i>(Firme chargée de la cogestion du portefeuille de financement des projets d'accès à l'énergie durable en Haïti avec la participation du secteur privé) [47]</i>	Fonds De Developpement Industriel		US\$ 2,500,000.00	Low Carbon Energy Fund for People & Plan - Inter-American Development Bank
Scaling Up Affordable and Reliable Mesh-Grids in rural Haiti [48]	Unité Technique d'Exécution (UTE) <i>(Technical Execution Unit (UTE))</i>	National Energy Sector Regulatory Authority (ANARSE)	US\$ 3,100,000.00 Country Counterpart Financing - US\$ 50,000.00	Inter-American Development Bank

Energy Efficiency Projects

There were no Energy Efficiency Projects reported for 2023.

Renewable Energy Projects

There were no Renewable Energy Projects reported for 2023.

Transportation Projects

There were no Transportation Projects reported for 2023.



Tertiary Programmes Offered

Quisqueya University [50]

Bachelors Degree

- Electrical Engineering with options in Electrical Energy or Telecommunications

Education Provider



Faculty of Science (Faculté Des Sciences) State University of Haïti (Université d'Etat d'Haïti) [52]

Bachelors Degree

- Electromechanical Engineering

Université G.O.C (GOC University) [51]

Bachelors Degree

- Electromechanical Engineering



Climate Change Framework

Climate Change Policy	Politique Nationale de Lutte contre les Changements Climatiques (PNCC) 2019 (National Policy for the Fight against Climate Change (PNCC) (2019)) [7]
Nationally Determined Contributions Summary [8]	Unconditional reduction of 6.32% compared to the baseline Conditional reduction of 25.5% compared to the baseline
Emission Reduction Target [8]	32% by 2030
Priority Sectors for NDC [8]	<ul style="list-style-type: none">• Agriculture• Fishing• Infrastructure• Forests• Water resources
National Communications (NC) to the UNFCCC	Premiere Communication Nationale sur Changements Climatiques (First National Communication on Climate Change) [53]
	Deuxieme Communication Nationale sur Changements Climatiques (Second National Communication on Climate Change) [54]



Climate Change Framework

Summary of Haiti's GHG Emissions and Removals (Gg) for 2015 [45]

Sources	Emissions (Gg)						
	Carbon Dioxide (CO ₂)	Methane (CH ₄)	Nitrous Oxide (N ₂ O)	Nitrogen Dioxide (NO ₂)	Carbon Monoxide (CO)	NMVOCs	Sulfur dioxide (SO ₂)
Energy	1447.66	1.91	0.26	14.09	300.97	30.91	13.58
Industrial Processes	0	0	0	0	0	80.17	0
Agriculture	0	158.86	4.63	0.53	13.94	13.94	0
Land-Use Change & Forestry	1148.15	0.05	0	0.01	0.42	0	0
Waste	0	6.67	0.16	0	0	0	0
Charcoal Production	0	7.32	0	0.07	51.28	12.45	0
Biomass	5993	0	0	0	0	0	0



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