

2023
ENERGY
REPORT CARD
TURKS AND
CACOIS ISLANDS





Introduction

This is the Energy Report Card (ERC) for 2023 for Turks and Caicos Islands.

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.

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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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If a substantive error is detected after the ERC is disseminated, the CCREEE will make correction and issue an errata notice, or other notification as appropriate. Also, the information contained within the ERC may be revised, after initial dissemination to reflect more complete information or other significant changes in the underlying data. The ERC may, from time to time, include information that is preliminary and is expected to be revised, or information that is revised from previously disseminated versions. In such instances, those cases are clearly noted.

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Acknowledgements

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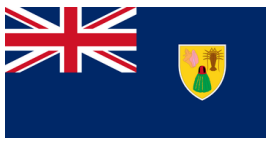
Energy Sector Summary

Population (Census)	49,309 [1]
GDP (USD)	\$ 1,638,653,000 [1]
GDP (USD) Per Capita	\$ 33,232.34 [2]
Gross National Income (GNI) Per Capita (USD)	Not Available
Debt as % of GDP	Not Available
Human Development Index	Not Applicable
National Development Plan/Overall Country Development Strategy	National Physical Sustainable Development Plan (2020) [3] Turks and Caicos Islands Vision 2040 (Draft) (2019)
National Energy Policy	None
Renewable Energy (RE) Policy	None
Renewable Energy Target	33% of total energy generation by renewable energy by 2040 [4]
Energy Efficiency Target	None

Total Installed Conventional Capacity (MW)	92 MW [7]
Total Installed RE (MW)	16MW [7]
Electricity System Losses (%)	8.67%
Energy Performance Standards/Appliance Labelling	None
Energy Use (kWh) Per Capita	kWh
National Repository for Energy Data	None ¹
Climate Change Policy	Turks and Caicos Islands Climate Change Charter [6]
Nationally Determined (NDC) Summary	Not Applicable ²

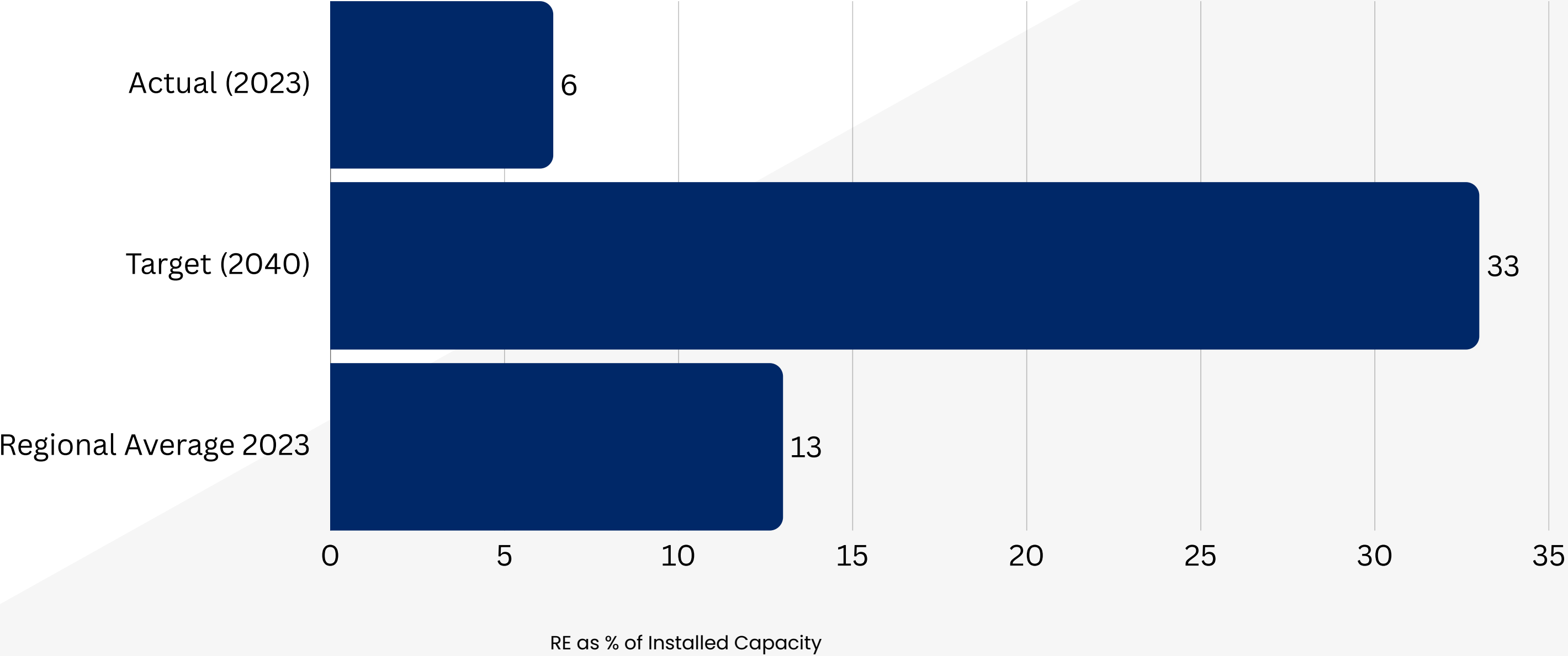
1 - The Turks and Caicos Islands are developing a Renewable Energy Bill that will require public utilities and RE license holders to submit data to allow for collection

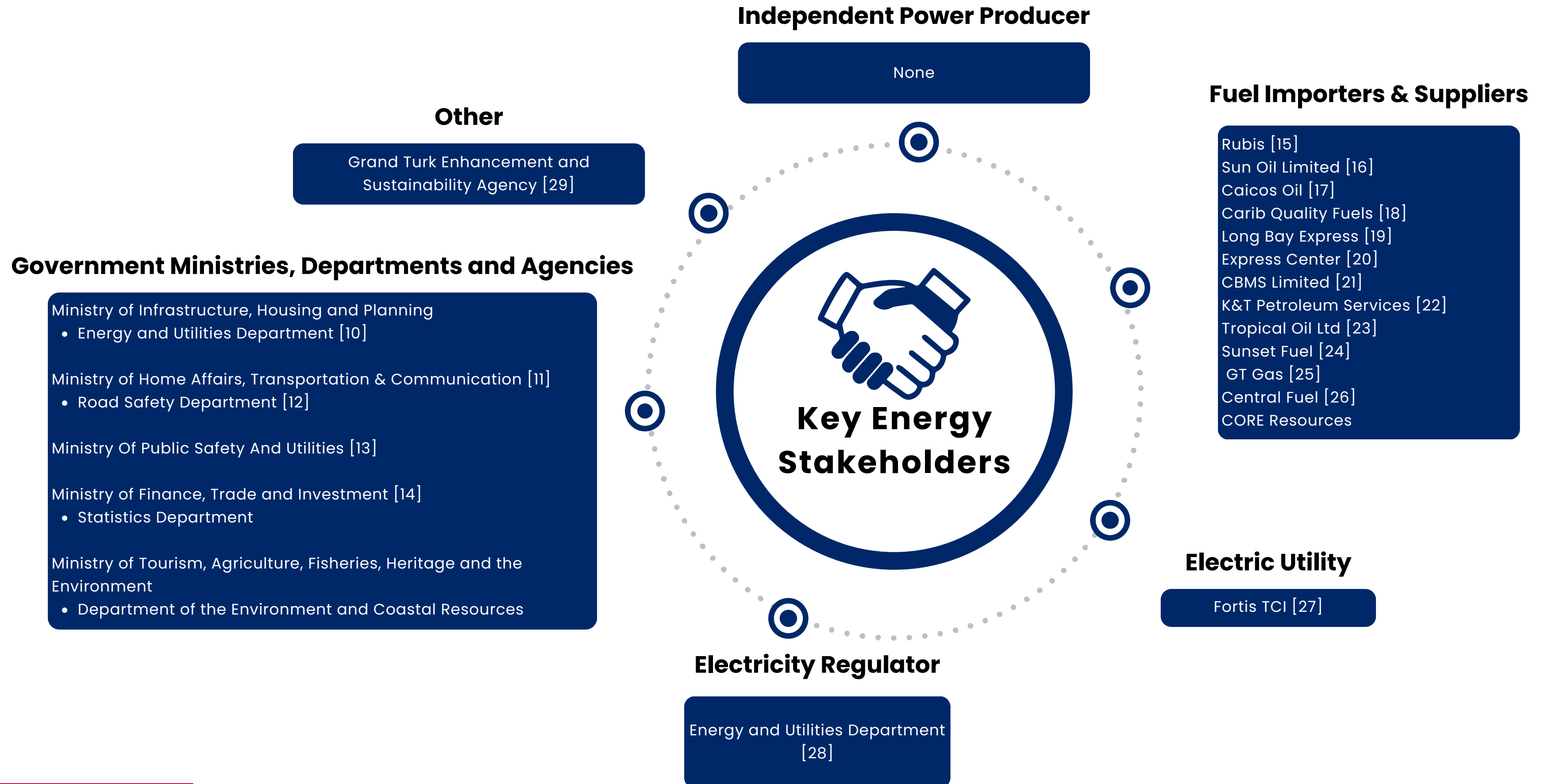
2 - The Turks and Caicos Islands is a crown colony of the United Kingdom. The United Kingdom Government indicated that they will consult with UK Crown Dependencies and Overseas Territories on extending the Paris Agreement and the UK’s NDC to cover their emissions at an appropriate point in the future.



Energy Sector Performance [7]

Renewable Energy Capacity Against Targets







Policy, Legal and Regulatory (PLR) Framework

	Year	Status
Energy Policy ⁴		Draft in Progress
Energy Action Plan		Not Established
RE Target [7]	2019	In Force
EE Target		Not Established
Electricity Regulator	2021	In Force
Net Billing/Net Metering		Not Established
Interconnection Policy/Standards		Not Established
Feed-In-Tariff		Not Established
Integrated Resource and Resilience Plan		Not Established
RE/EE Act [30]		Not Established

4 - Even though the The Turks and Caicos Islands Resilient National Energy Transition Strategy is used as a guiding document. The Turks and Caicos Islands is in the process in developing a National Energy Policy.



Policy, Legal and Regulatory (PLR) Framework

Key Achievements: PLR Framework Timeline for Electricity Sub-Sector



Legislation Relevant to the Energy Sector

Year	Name	Status	Description
1892	Electricity Ordinance [37]	In Force	The Act aims to control the supply of electricity by public and private suppliers and the determination of electricity tariffs for electricity supplied by public suppliers.
1888	Petroleum Ordinance [38]	In Force	This Act addresses the importation, distribution and use of petroleum.

Renewable Energy and Energy Efficiency Fiscal Incentives

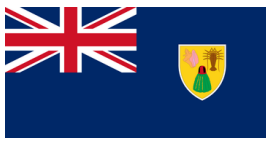
Year	Name	Status	Description
2019	Customs Tariff (General) Order [39]	In Force	The Customs Tariff includes schedule of duties imposed by TCI on imported goods, which includes photovoltaic systems and certain related equipment are exempt from import duties. However, they remain subject to a 5% Customs Processing Fee (CPF).



Policy, Legal and Regulatory (PLR) Framework

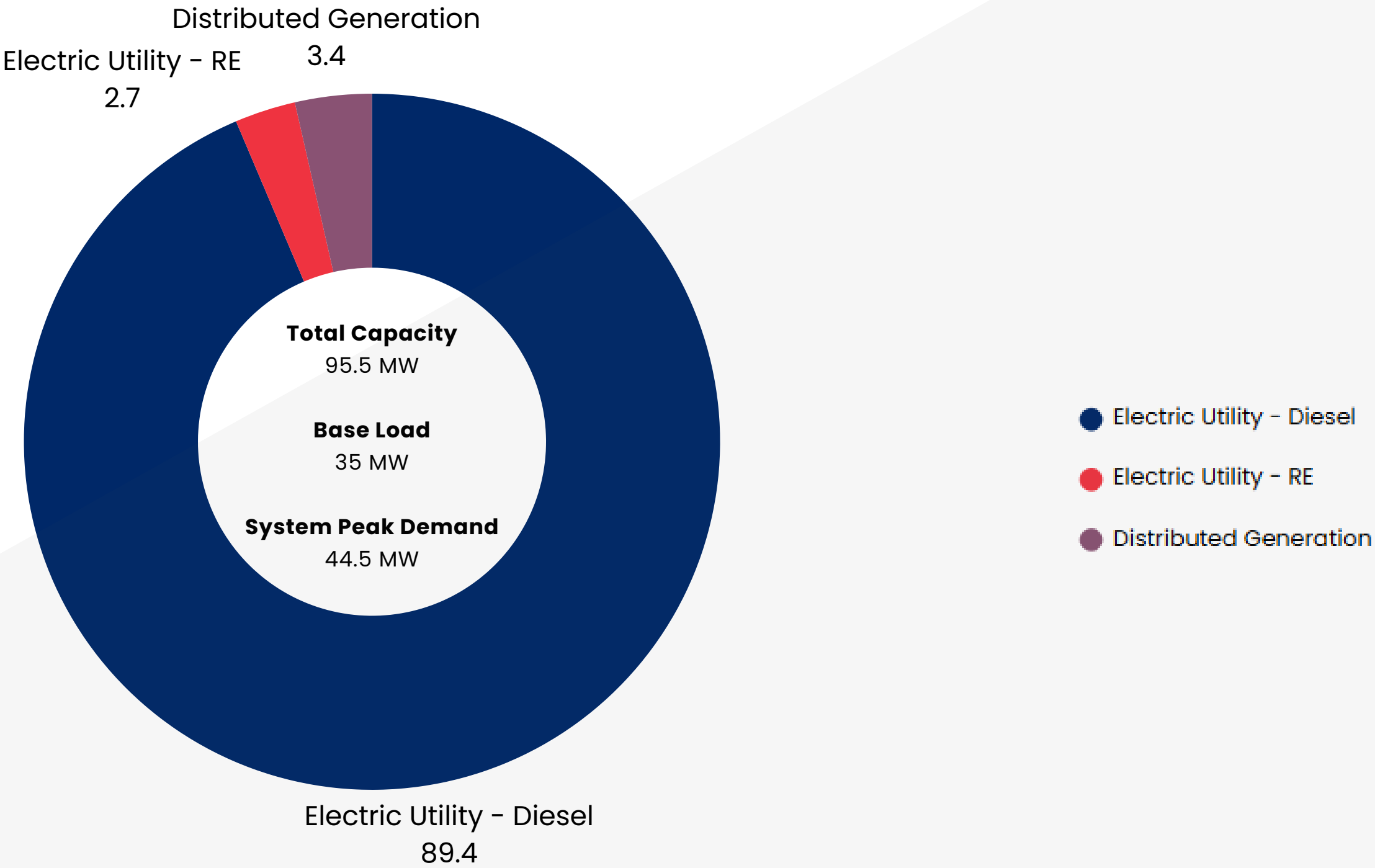
Policies Relevant to the Energy Sector

Year	Name	Status	Description
2007	National Socio-Economic Development Framework 2008-2017 – National Socio-economic Development Strategy [32]	In Force	The Strategy guides the socio-economic development of the Turks and Caicos for national and sectoral sustainable development.
2008	National Socio-economic Development Framework 2008 – 2017 Implementation Plan [33]	In Force	The Implementation Plan provides sectoral programmes and activities for the National Socio-Economic Development Strategy during the plan period.
2008	National Socio-economic Development Framework 2008 – 2017: Medium Term Socio-economic Development Framework 2008 – 2010 [34]	In Force	Medium Term Socio-economic Development Framework outline an implementation plan for the for socio-economic development during the first three years of the National Socio-Economic Development Framework.
2015	Turks and Caicos Islands National Energy Policy (Revised 2019 and 2021) [35]	In Force	The Turks and Caicos Islands National Energy Policy provides the necessary steps in the TCI energy transition and the implementation of sustainable energy into the energy mix with the aim to decarbonise and reduce climate change impacts, create greater energy security, and lower costs across key economic sectors.
2019	The Turks and Caicos Islands Resilient National Energy Transition Strategy [4]	In Force	Outlines a 22-year plan to create a reliable, low-cost, and sustainable electricity system. Developed with FortisTCI and the Rocky Mountain Institute, it targets 33% renewable energy by 2040 and \$115 million in savings. Key actions include expanding solar, boosting energy efficiency, and piloting storage. The Microgrid-Capable scenario is recommended for its flexibility and resilience.
2023	Turks and Caicos Islands Vision 2040 [36]	In Force	The Turks and Caicos Islands Vision 2040 guiding tool for the country's development with long-term strategies to provide a high quality of life for its citizens.



Electricity and Energy Efficiency [7]

Installed Capacity (MW)

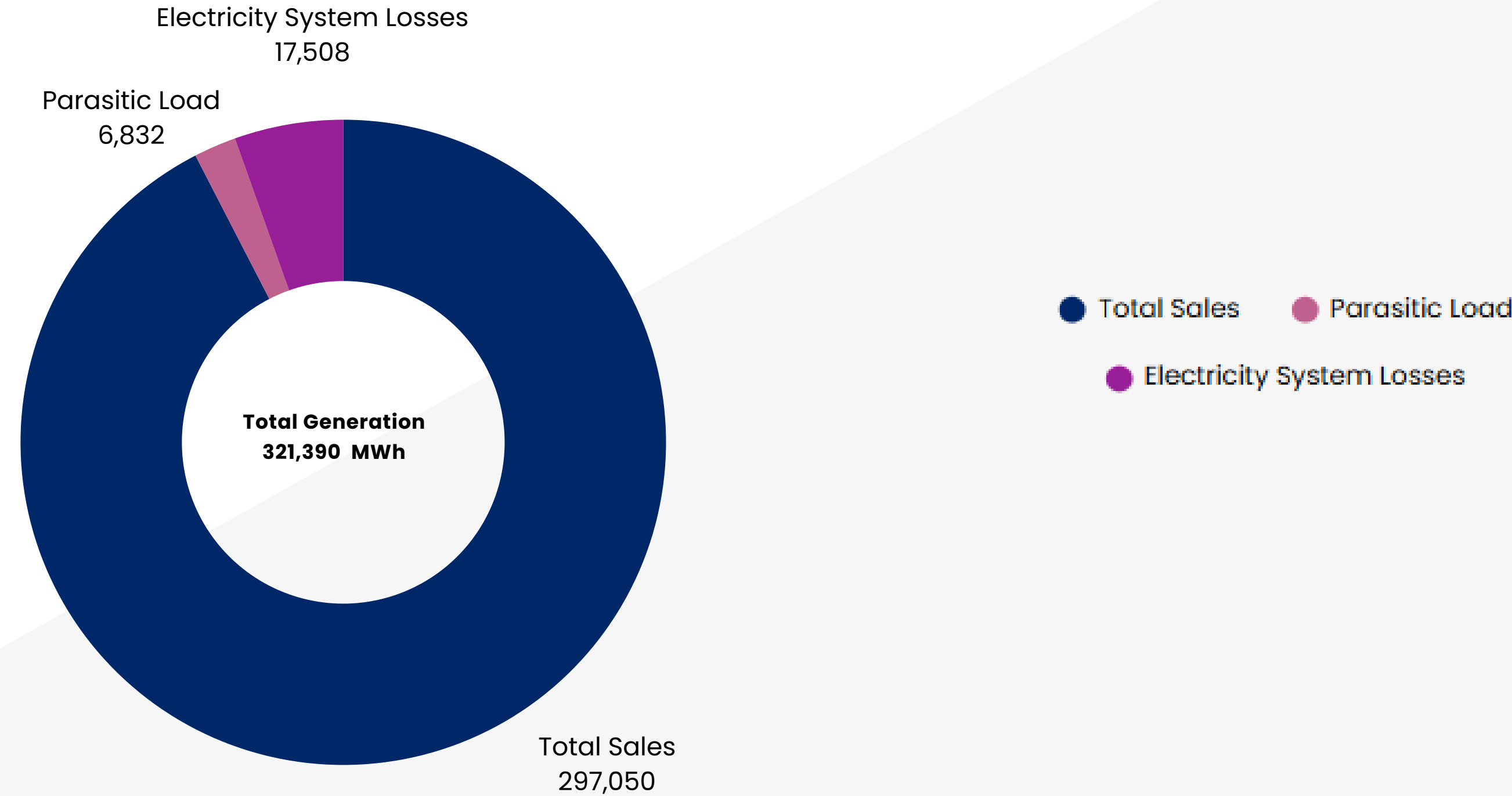


4 - The data presented represents a compilation of data from SKELEC and NEVLEC.



Electricity and Energy Efficiency [7]

Energy Generation (MWh)





Electricity and Energy Efficiency

Electricity Tariffs

Rate Class		US\$/kWh					
		Providenciales	North Caicos	Middle Caicos	South Caicos	Pine Cay	Grand Turk and Salt Cay
Residential	First 75 kWh	\$ 0.26	\$ 0.26	\$ 0.26	\$ 0.25		
	Above 75 kWh	\$ 0.28	\$ 0.28	\$ 0.28	\$ 0.26		\$ 0.29
Commercial	consumption > 300,000 kWh per annum	\$0.29	\$ 0.29	\$0.29	\$0.30		\$ 0.35
Medium Hotel	consumption > 300,000 kWh per annum	\$ 0.27	\$ 0.27	\$ 0.27	\$ 0.27	\$ 0.27	
Large Supermarket	consumption > 300,000 kWh per annum	\$ 0.27	\$ 0.27	\$ 0.27			
Large Hotel	consumption > 4,200,000 kWh per annum	\$ 0.23					



Projects in the Pipeline

Programmes

Programme Name	Implementing Partner	Funding Awards	Funding Source
The Resilience, Sustainable Energy and Marine Biodiversity (RESEMBID) Programme - Transitioning towards Green energy in the Turks and Caicos Islands [40] [41] ⁵	Expertise France Energy and Utilities Department/ Ministry of Home Affairs, Transportation, Broadcasting, Energy and Utilities and Telecommunications Commission	€ 1,450,326.15	European Union

Energy Efficiency Projects

There were no Energy Efficiency Projects reported for 2023.

Renewable Energy Projects

Renewable Energy Source	Project Name	System Size (kW)	Implementing Partner	Total Estimated Cost	Funding Source
Solar Photo-Voltaic	Transitioning towards Green energy in the Turks and Caicos Islands [44]	35,000 with 44 MWh storage	Expertise France Energy and Utilities Department/ Ministry of Home Affairs, Transportation, Broadcasting, Energy and Utilities and Telecommunications Commission	€ 1,450,326.15	European Union

5 - The RESEMBID supports the sustainable human development efforts of the 12 Caribbean Overseas Countries and Territories (OCTs) namely: Anguilla, British Virgin Islands, Cayman Islands, Montserrat, Turks and Caicos Islands, Aruba, Bonaire, Curaçao, Saba, Sint Eustatius, Sint Maarten, and Saint-Barthélemy.



Tertiary Programmes Offered

The Turks and Caicos Islands does not provide any tertiary level or vocational training for this sector

Climate Change Framework

Climate Change Policy	Turks and Caicos Islands Climate Change Charter [6]
Nationally Determined Contributions Summary	Not Applicable
Green House Reduction Target	Not Applicable
Priority Sectors for NDC	Not Applicable
National Communications (NC) to the UNFCCC	Not Applicable

4 – The Turks and Caicos is a crown colony of the United Kingdom. The United Kingdom Government indicated that they will consult with UK Crown Dependencies and Overseas Territories on extending the Paris Agreement and the UK’s NDC to cover their emissions at an appropriate point in the future



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