



Cayman Islands  
Government

Cayman Islands

# NATIONAL ENERGY POLICY

2023-2050

## IMPLEMENTATION AND MONITORING PLAN

PUBLIC CONSULTATION DRAFT  
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# Table of Contents

<b>1. Acronyms .....</b>	<b>4</b>
<b>2. Introduction .....</b>	<b>5</b>
2.1. Plan Contents.....	5
2.2. Consultative Process.....	6
<b>3. Implementation Plan Priorities (2023-2027) .....</b>	<b>7</b>
<b>4. Monitoring .....</b>	<b>11</b>
<b>5. Strategies and Actions Supporting Goal 1 .....</b>	<b>12</b>
<b>6. Strategies and Actions Supporting Goal 2 .....</b>	<b>15</b>
<b>7. Strategies and Actions Supporting Goal 3 .....</b>	<b>18</b>
<b>8. Strategies and Actions Supporting Goal 4 .....</b>	<b>28</b>



# 1. Acronyms

CBPL	Cayman Brac Power and Light
CIDB	Cayman Islands Development Bank
CUC	Caribbean Utilities Company
DEH	Department of Environmental Health
DVDL	Department of Vehicle and Drivers Licensing
DVES	Department of Vehicle and Equipment Services
EPC	Energy Policy Council
Island Energy	Formerly Cayman Brac Power & Light
M.Edu	Ministry of Education
MFED	Ministry of Finance and Economic Development
MHW	Ministry of Health and Wellness
MPAHI	Ministry of Planning, Housing, Agriculture, and Infrastructure
MSCR	Ministry of Sustainability & Climate Resiliency
MTT	Ministry of Tourism and Transport
NRA	National Roads Authority
OfReg	Utility Regulation and Competition Office

## 2. Introduction

The Cayman Islands Government developed an updated **National Energy Policy (“NEP”)** in 2017 that established targets of 70% electric generation from renewable sources by 2037 and total peak GHG emissions by 2020 while not exceeding 2014 per capita emissions levels (approximately 12.3 tCO<sub>2</sub>e). The Policy also aims to achieve the aspirational goal of the 2015 Paris Agreement of 4.8 tCO<sub>2</sub>e of GHG emissions per capita by 2030. The Cayman Islands Government also developed a **NEP Implementation Plan (“Implementation Plan”)** in 2017 to identify the actions, responsible parties, timelines, and indicators for NEP policies. The Implementation Plan outlines a roadmap to ensure that the Cayman Islands energy sector is making tangible progress towards targets and policy objectives.

To measure progress against targets and account for new opportunities in the evolving technological landscape, the Cayman Islands Government established a five-year review cycle for the NEP and Implementation Plan.

The first Five-Year Review, completed in 2023, analyzed progress against targets, which, taken with the NEP policy measures and Implementation Plan, identified opportunities for target revision and establishment sub targets and a new target for electric vehicles.

The NEP now establishes the following targets:

1. Renewable energy
  - a. 30% by 2030
  - b. 100% by 2050
2. Electric Vehicles
  - a. Light-duty vehicles new vehicle sales
    - i. 30% from EVs by 2030
    - ii. 100% by 2045
  - b. Medium and heavy-duty new vehicle sales
    - i. 30% from EVs by 2030
    - ii. 100% by 2050
3. Greenhouse gas emissions
  - a. Electricity supply
    - i. 40% emissions reduction over 2019 levels by 2030
    - ii. 100% emissions reduction by 2050
  - b. Emissions for ground transportation (motorcycles, cars and trucks):
    - i. 35% emission reduction by 2030,
    - ii. 80% by 2045, and
    - iii. 90% by 2050 over 2019 levels, accounting for the above targets for EV sales.Cadmus did not analyse other transportation emissions from other categories such as aviation and ocean shipping.

In this context, the NEP and Implementation Plan are updated as of 2023 to reflect the current energy market and policy context.

### 2.1. Plan Contents

The Implementation Plan provides a breakdown of the actions that Cayman Islands is undertaking to reach its energy and sustainability goals. Section 2 identifies the key actions, responsible parties, and indicators that are important priorities over the next five years. Section 3 lists a monitoring framework



that includes reporting requirements on progress to date. Section 4 lists the full Implementation Plan, including the responsible parties, timelines, and indicators to measure progress. Implementation actions are mapped to one of four NEP goals and numbered Strategies. They comprise interventions in seven sectors including:

- Electricity
- Fuels
- Transportation
- Land Use and Buildings
- Water and Wastewater
- Public Education and Awareness
- Climate Change and the Environment

## 2.2. Consultative Process

The Ministry of Sustainability and Climate Resiliency (“MSCR”) and Energy Policy Council (“EPC”), with support from a team of international energy experts, led the Five-Year Review to identify relevant updates to the NEP and Implementation Plan. The Five-Year Review team also consulted with government, private sector, and civil society stakeholders to ensure that the NEP and Implementation Plan are reflective of Cayman Islands’ priorities. The consultative process included the following:

- One-on-one stakeholder consultations with Cayman Islands Government ministries and private sector and civil society stakeholders.
- Regular meetings with the Cayman Islands EPC.
- Public awareness survey conducted from December 2022 to January 2023.
- Two in-person focus group meetings, one each for the public and private sectors.

### 3. Implementation Plan Priorities (2023-2027)

Through the consultative process, stakeholders identified NEP implementation actions to operationalize the updated NEP. The full Implementation Plan is listed in Section 4. Additionally, this process shed light on actions that most directly impact progress towards NEP targets and remain in line with the NEP Vision Statement:

*“Enhancing and embracing a sustainable lifestyle through responsible, affordable, and innovative energy supply and consumption.”*

Priority interventions include those that are sustainable and innovative: interventions which contribute directly to greenhouse gas reduction through penetration of renewable energy, electric vehicles, and energy efficient technologies. Additionally, interventions that promote opportunities for Caymanians to lead a sustainable lifestyle and contribute to meeting NEP goals through employment, education, and access to affordable energy products are essential.

During February 2023, MSCR hosted two Focus Group meetings, one each for public and private sector stakeholders. Attendees met in breakout sessions to discuss NEP implementation priorities and brainstorm new ideas. Sessions were organized around the following topics:

- Socioeconomic Considerations and the Environment
- Energy Efficiency and Transportation
- Electricity Generation

The below tables highlight **priority** implementation actions for the next five years, as recommended by the Five-Year Review team and Cayman Islands stakeholders.

#### Socioeconomic Considerations and the Environment

*Table 3.1 Socioeconomic and Environmental 2023-2024 Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.1.14	Facilitate the development of “green” financial incentives for consumer-sited owned renewable energy systems and equipment, such as <ul style="list-style-type: none"> <li>- Favourable loan terms and preferential interest rates, grace periods, extended terms, and preferential collateral requirements</li> <li>- Grants</li> <li>- Rebates</li> <li>- Utility and private sector financing (as determined by consultations under 3.3.1.12)</li> </ul>	Ministry responsible for energy, Ministry responsible for finance, CIDB	“Green” financial incentives are developed and offered.
3.3.1.1.15.A	Explore possibility of developing policies for utility to provide guarantees of payments due to solar production under the approved renewable energy programmes be it to consumers or their lenders in the case of default of any renewable energy financing	OfReg, CUC, Island Energy, CIDB	Policies are assessed.
3.3.8.6	Develop assistance programmes for the inclusion of energy production, efficiency, and storage systems within buildings	Ministry responsible for energy, Ministry responsible for planning and infrastructure	Assistance programs are developed and assigned to an appropriate body for implementation.



*Table 3.2 2025-2027 Socioeconomic and Environmental Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.2.2.3.A	<p>Promote knowledge-sharing, education, and professional opportunities around renewable energy and electric vehicles for all Caymanians, including women, low-income persons and communities through interventions such as:</p> <ul style="list-style-type: none"> <li>A. Workshops and/or create resources to raise awareness of professional and educational opportunities</li> <li>B. Scholarships in partnership with the private sector and educational institutions</li> <li>C. Public awareness campaigns about job resources, industry, and academic events</li> </ul>	Ministry responsible for Education, Ministry responsible for energy, Ministry responsible for Innovation, Investment, and Social Development	Working group(s) established. Regular meetings held. Opportunities identified.

## Energy Efficiency and Transportation

*Table 3.3 Energy Efficiency and Transportation 2023-2034 Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.7.4.A	Assess policies to promote electric vehicle adoption in the Cayman Islands, including needs for EV charging infrastructure and additional electricity generation capacity required to meet increased demand from home and public chargers	CUC, Ministry responsible for energy, Ministry responsible for transportation, Island Energy	Regulatory framework developed.
3.3.7.4.B	<p>Advance planning and permitting processes for EV charging infrastructure to increase efficiency, promote transparency, and decrease costs. In particular:</p> <ul style="list-style-type: none"> <li>Develop a web-based permitting option for EV chargers</li> <li>Review requirements for data logging and new drawings of existing panels</li> <li>Inspections of EV charger infrastructure</li> </ul>	CUC, Ministry responsible for energy, Ministry responsible for transportation, Island Energy	Planning and permitting process are improved and more efficient.
3.3.7.3	<p>Reduce the duty on all EVs to 0% for an additional five years (2023-2050)</p> <p>Explore increasing duties for inefficient vehicles</p>	Ministry responsible for finance	Duties reduced.

*Table 3.4 Energy Efficiency and Transportation 2025-2027 Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.8.5	Determine incentives for energy efficient appliances, devices, and sustainable building materials, including those that incorporate green infrastructure design concepts, every five years.	Ministry responsible for energy	Incentives are reviewed.
3.3.8.2	Adopt regional and international energy efficiency codes where appropriate, including considering the CARICOM Regional Energy Efficiency Building Code, and International Residential Code Chapter 11	Ministry responsible for planning and infrastructure	Energy efficiency codes adopted.
3.3.7.2	Support the progressive conversion of the public transportation fleet to more efficient alternatives such as EVs, hybrids, and alternative fuel vehicles	Ministry responsible for transportation	The public transportation fleet uses efficient alternative vehicles.
3.3.2.2.E(1)	In collaboration with Cayman Islands electric utilities, develop economically viable energy efficiency programmes, such as utility demand response initiatives, and a tariff structure encouraging energy efficiency by means of energy savings, energy load reductions, and energy usage	OfReg, CUC, Island Energy	Energy efficiency programmes and tariffs are developed.



## Electricity Generation

*Table 3.5 Electricity Generation 2023-2034 Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.4.1.1.B	Award and commission utility-scale renewable energy projects that include storage and dispatchable capability to support the grid where appropriate	OfReg	MW installed.
3.2.1.3.A	Consider the feasibility, benefits, and drawbacks of government majority ownership of renewable energy assets, considering: <ul style="list-style-type: none"> <li>- the risks of any project</li> <li>- the technology, prioritizing projects employing technologies proven to be both technically and commercially feasible</li> <li>- fiscal responsibility management</li> </ul>	Ministry responsible for energy, Ministry responsible for planning and infrastructure, Ministry responsible for finance, OfReg, CUC, Island Energy	One working group established; regular meetings held; viability of government majority ownership of renewable energy assets determined.
3.3.1.12.B	Develop policies to expand access consumer-sited to renewable energy, by: <ul style="list-style-type: none"> <li>- Determining rules and regulations for grid-connected microgrids at critical facilities (hospitals, schools, etc.), community solar projects, and programmes for non-homeowners (condos, apartments)</li> <li>- Reviewing and updating feed-in-tariff rates</li> <li>- Defining distributed generation size limits</li> <li>- Considering a consumer right to produce renewable energy and energy storage and its effect on costs, stability, reliability of electricity on the grid</li> <li>- Considering the rules for service-provider participation in the distributed generation market</li> <li>- Establishing a regular cadence for value of solar studies and defining its role in rate-setting</li> <li>- Reviewing suitable cost-recovery mechanisms for T&amp;D upgrade costs</li> </ul>	OfReg, Ministry responsible for energy, CUC, Island Energy, private sector and civil society participants	Working group established; periodic meetings held; consensus reached on rules and regulations.
3.3.1.12.C	Encourage the adoption of microgrids, community solar, and solar for non-homeowners through: <ul style="list-style-type: none"> <li>- Pilot programmes, as relevant</li> <li>- Public awareness campaigns</li> <li>- Engagement with the private sector on rules and regulations</li> <li>- Development of educational resources</li> </ul>	OfReg, Ministry responsible for energy, Ministry responsible for Education, Ministry of Health & Wellness, CUC	Number of institutions, companies, or persons reached.  Pilot programmes developed (as relevant).
3.3.1.11	Establish and disseminate clear guidelines and responsible parties for IRP process.  Consult with the Caribbean Development Bank, World Bank, IDB, or other entities to determine best practices for greater Government oversight of integrated resource planning processes, as applicable  Review cadence of integrated resource plan to consider cost/benefits of reducing time interval	Ministry responsible for energy (lead), OfReg, CUC	Guidelines for future IRP processes and responsible parties are disseminated.  Opportunities for further government oversight are considered.  Cost/benefits of reducing time interval of IRP determined.
3.2.6.2	The Government shall develop a plan to secure available land for utility-scale renewable energy generation, not to exclude suitable land identified by other parties	Ministry responsible for planning and infrastructure, Ministry responsible for energy	Land suitable for utility-scale renewable energy generation is secured.

*Table 3.6 Electricity Generation 2025-2027 Priorities*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.1.19.A	Conduct periodic studies to analyse opportunities for energy storage to promote renewable energy integration, demand side management and electricity grid stability and reliability, as part of the utility's planning processes	CUC, OfReg	Studies on energy storage completed and presented to key stakeholders.
3.2.1.1.B	Develop guidelines on the framework for interface of innovative, new or developing technologies with the electric utilities systems, including: <ol style="list-style-type: none"> <li>1. Approval processes</li> <li>2. Sources of funding to promote/facilitate innovation to assure developers and Cayman electric utilities reasonable opportunities for safely testing and commercializing such facilities</li> <li>3. Responsible parties for promoting innovation and attracting investment</li> </ol>	OfReg, CUC, Ministry responsible for Energy, Ministry responsible for innovation, investment, and Social Development	Innovative projects identified and supported.
3.3.1.1.A-B	Develop and launch an awareness campaign on the benefits of renewable energy, including minimum equipment standards when purchasing a renewable and storage system for self-use.	Ministry responsible for energy, CUC, Ministry responsible for planning and infrastructure	Public awareness campaign developed and launched.
3.3.1.13	Keep under review an appropriate import duty regime for all renewable energy systems, including energy monitoring equipment revise as needed every five years The import duty rate will be maintained at zero percent (0%) from 2023-2027	Ministry responsible for energy, Ministry responsible for Finance	Duties are reviewed.

## 4. Monitoring

The MSCR will assume chairpersonship of the Energy Policy Council. In addition, the MSCR will establish implementation teams around topics listed as five-year priorities (and responsible parties) in this document to discuss implementation and monitor progress.

- Socioeconomic and Environmental Considerations
- Electricity Generation
- Energy Efficiency and Transportation

The MSCR will lead data collection efforts to develop periodic monitoring reports, summarising the key activities and progress against NEP targets and indicators. To assess progress against targets, the monitoring reports will require quantitative inputs on penetration of renewable energy, electric vehicles, and energy-efficient technologies. Data inputs that are essential to the requisite quantitative analysis and their responsible parties are listed below.

*Table 4.1 Data Needs for Tracking Against NEP Targets*

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.4.1.1.D	Provide Government with requisite data on energy generation and storage planning on an as-requested basis, including: <ul style="list-style-type: none"> <li>– Electricity generation and storage planning, including MW capacity and estimated timelines</li> <li>– Diesel generation retirements</li> <li>– Historic electricity load and projected growth</li> </ul>	Ministry responsible for energy, CUC, Island Energy, OfReg	Electricity generation data is shared and monitored.
3.3.5.8.C	For tracking purposes, provide Government with list of energy efficient technologies required by any new building code standards and others suitable for duty reduction, as well as data on Government facility retrofits on any as-requested basis	Ministry responsible for planning and infrastructure, Ministry responsible for energy, Ministry responsible for finance	Energy efficient data shared and monitored.
3.3.7.4.C	For tracking purposes, provide MSCR with data on: <ul style="list-style-type: none"> <li>– Vehicle imports, registrations, installed charging infrastructure, and plans for public fleet electrification</li> <li>– All vehicle imports</li> <li>– Installed charging infrastructure</li> <li>– Plans for public fleet electrification</li> <li>– Light/medium/heavy duty (by registration class and weight)</li> <li>– EVs, plug-in hybrids, and non-conventional fuel vehicles</li> </ul>	Ministry responsible for energy, Ministry responsible for transportation, CUC, DVDL	Vehicle data is shared and monitored.
3.3.2.2.E (3)	For tracking purposes, share relevant data on implementation of utility energy efficiency programmes, including load reduction estimates	OfReg, CUC, Island Energy, Ministry responsible for energy	Energy efficiency data is shared and monitored.

## 5. Strategies and Actions Supporting Goal 1

This section lists sector-specific actions that promote an environment where the people of the Cayman Island are knowledgeable about sustainable energy and are sufficiently educated to make informed choices about energy options in their daily lives.

To achieve this objective the National Energy Policy Review Committee has determined the following strategies:

- Electricity Sector Strategy 1- Establish public awareness programmes to influence public behavior and choices regarding sustainable energy, energy consumption, conservation and efficiency, and related new technologies
- Fuel Products Strategy 1- Support jurisdiction-wide and industry developed public education programmes on fuel safety, handling, storage, and disposal of waste fuel
- Transportation Strategy 1- Promote lifestyle changes through public education on options such as cycling, walking, and the use of public transportation not only as reflective of the Policy, but also supportive of healthy lifestyles
- Transportation Strategy 2- Promote a shift to more fuel-efficient vehicles
- Land Use & Buildings Strategy 1- Promote land use and buildings policies supporting energy efficiency and conservation through targeted public education programmes
- Water & Wastewater Strategy 1- Promote public awareness on the relationship between water consumption and energy demand
- Public Awareness and Education Strategy 1- Develop and adopt a comprehensive multi-faceted public education plan that raises awareness of the NEP and its elements at strategic stages in the implementation. The latter includes the annual reporting and publication of GHG emissions and the progress of achieving the RET in terms of supply and usage by various sectors
- Climate Change & Environment Strategy 1- Establish public education programmes promoting public understanding of the implications of climate change

Table 5.1 lists the sector-specific actions that will support the accomplishment of Goal 1.

*Table 5.1: Actions supporting Goal 1*

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
GOAL 1								
ELECTRICITY STRATEGY								
3.1.1.1.A	Develop and launch energy efficiency campaigns that inform individuals how to optimize their energy consumption by promoting: <ul style="list-style-type: none"> <li>- Energy-efficient lighting, such as LED light bulbs</li> <li>- Small-scale sensor networks</li> <li>- Energy monitors or smart meters</li> <li>- Culture of “switch off when done”</li> </ul>	Ministry responsible for Energy, Utility Providers	Energy efficiency campaigns are launched.	TBD (use as much free media as possible)	In progress	2017	2050	Ministry responsible for energy
3.1.1.1.B	Implement, monitor, and update energy efficiency campaigns that inform individuals how to optimize their energy consumption	Ministry responsible for Energy, Utility Providers	Campaigns are implemented monitored and updated. Use of energy-efficient lighting, small-scale sensors, and energy monitors/smart meters increases. Number of persons reached per campaign.	Staff time	In Progress	2018	2050	Ministry responsible for energy
3.1.1.2	Develop and launch public awareness programmes that inform the public on legislation, incentives, programmes, and initiatives supporting sustainable energy, and how to participate in and benefit from them. In particular, develop informational campaigns to convey to the public: <ul style="list-style-type: none"> <li>- Building Code amendments</li> <li>- Government initiatives, including the National Energy Policy and Implementation Plan</li> </ul>	Ministry responsible for Energy & Ministry responsible for Planning	Public awareness programme is launched. Number of persons reached per campaign.	TBD (use as much free media as possible)	Ongoing	2017	2050	Ministry responsible for energy
3.1.1.3.A	Reinforce energy labeling for: <ul style="list-style-type: none"> <li>- Energy-consuming household appliances</li> <li>- Energy-consuming office equipment</li> </ul>	Ministry responsible for Energy & Sellers	Standards are set and labeling for household appliances and office equipment is mandated.	TBD	In Progress	2017	2050	Ministry responsible for energy
3.1.1.3.B	Implement, monitor, and update energy labeling for: <ul style="list-style-type: none"> <li>- Energy-consuming household appliances</li> <li>- Energy-consuming office equipment</li> </ul>	Ministry responsible for Energy & Sellers	Increase in energy labeling by household appliances and office equipment sellers.	TBD	Not Yet Started	2019	2050	Ministry responsible for energy

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.1.1.4	Publicise economy-wide energy efficiency and conservation initiatives	Ministry responsible for Energy	Energy efficiency and conservation initiatives are publicized.		Ongoing	2017	2050	Ministry responsible for energy
<b>FUEL STRATEGY</b>								
3.1.2.1.A	<p>Publish information on fuel safety and the environmental risk of improper handling, storage, and disposal of waste fuel and related products after:</p> <ul style="list-style-type: none"> <li>Leading a study to understand what the main causes of pollution are due to improper handling, storage, and disposal of waste fuel and related products</li> <li>Developing a pollution prevention guide for safe handling, storage, and disposal of waste fuel and related products for commercial and industrial segments</li> <li>Developing a pollution prevention guide for safe handling, storage, and disposal of waste fuel and related products for residential segments</li> </ul>	DEH, Ministry responsible for ReGen Project & OFREG	Pollution prevention guide for commercial, industrial, and residential segments is published.		Not Yet Started	2017	2050	DEH
3.1.2.1. B	Ensure safety guides are well-distributed and socialized among key commercial, industrial, and residential segments, and updated as needed	DEH, Ministry Responsible for ReGen Project & OFREG	Guides are distributed and updated.		Not Yet Started			DEH
<b>TRANSPORTATION STRATEGY</b>								
3.1.3.1.A	<p>Develop and roll out public awareness programme that provides information about energy-efficient commuting options, such as:</p> <ul style="list-style-type: none"> <li>- Carpooling</li> <li>- The public transit system</li> </ul>	Ministry responsible for Transportation	Public awareness programme about energy-efficient commuting options is launched.	TBD (use free media as much as possible)	Completed	2017	2022	Ministry responsible for energy
3.1.3.1.B	Implement, monitor, and update public awareness programme that provides information about energy-efficient commuting options, including public transportation.	Ministry responsible for Transportation	Carpooling and use of public transportation increase. Public awareness programme is monitored and updated.		Ongoing	2017	2050	
3.1.3.2.A	<p>Develop and roll out public awareness programme that conveys bicycle safety by:</p> <ul style="list-style-type: none"> <li>- Developing a bicycle safety guide</li> <li>- Mandating bicycle sellers provide bicycle safety guides to bicycle buyers</li> <li>- Using web media to convey bicycle safety tips</li> </ul>	Ministry responsible for Transportation	Public awareness programme about bicycle safety is launched. Bicycle safety practices increase.		In Progress	2017	2050	Ministry responsible for energy
3.1.3.3. A	Develop and roll out public awareness programme that conveys how fuel consumption changes based on driving style and provides driving efficiency techniques	Ministry responsible for Transportation	Public awareness programme about driving efficiency techniques is launched.	TBD (use free media as much as possible)	Not Yet Started	2017	2050	
3.1.3.3.B	Implement, monitor and update public awareness programme that provides information about driving efficiency techniques	Ministry responsible for Transportation	Public awareness programme is monitored and updated.	Staff time	Not Yet Started	2018	2050	
3.1.3.3.C	Mandate the inclusion of driving efficiency techniques in student drivers' training and curriculum	Ministry responsible for Transportation and DVDL	Driving efficient techniques are included in student drivers' training and curriculum.	Staff time	Not Yet Started	2017	2050	
3.1.4.1.A	<p>Provide public information on vehicle fuel efficiencies by:</p> <ul style="list-style-type: none"> <li>- Labeling fuel-efficient vehicles</li> <li>- Creating an annual fuel consumption guide in collaboration with vehicle manufacturers to provide model-specific consumption information</li> </ul>	Ministry responsible for Transportation and DVDL	Fuel efficient vehicles are effectively labeled. The annual fuel consumption guide is distributed to consumers.	TBD (use free media as much as possible)	Not Yet Started	2017	2027	
3.1.4.1.B	Publicise the Government's initiatives to shift to more fuel-efficient vehicles and lower emission vehicles	Ministry responsible for Transportation, DVES and Ministry responsible for Energy	Advertising campaign showcasing government initiatives are carried out.	TBD (use free media as much as possible)	In Progress	2017	2027	
3.1.4.1.C	Develop and lead a public awareness campaign outlining the benefits of electric vehicles including potential cost savings and emissions reductions	Ministry responsible for Energy	Public awareness campaign is developed and launched.		Ongoing	2017	2050	
3.1.4.1.C(1)	Implement, monitor and update public awareness campaign to convey the benefits of electric vehicles including potential cost savings and emissions reductions	Ministry responsible for Energy	Number of institutions, companies, or persons reached.		Not yet started	2017	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
<b>LAND USE AND BUILDINGS STRATEGY</b>								
3.1.5.1-2.A	Develop and launch public awareness programme, in coordination with development planning initiatives, to convey: <ul style="list-style-type: none"> <li>- The benefits of mixed-use development and denser zoning in appropriate locations</li> <li>- Efficient building design and landscaping and passive design and green infrastructure</li> </ul>	Department of Planning	Public awareness programmes are developed and launched.	TBD (use free media as much as possible)	In Progress	2017	2050	
3.1.5.1-2.B	Implement, monitor, and update public awareness programme to convey: <ul style="list-style-type: none"> <li>- The benefits of mixed-use development and denser zoning in appropriate locations</li> <li>- Efficient building design and landscaping and passive design green infrastructure and green infrastructure</li> </ul>	Department of Planning	Public awareness plan is implemented, monitored, and updated.  Number of persons reached.	Staff time	In Progress	2018	2050	
3.1.5.3	Promote development of live, work and play communities supporting non-motorized transportation and more sustainable land use	Ministry responsible for Planning	Increase in demand for live, work, and play communities.	TBD (use free media as much as possible)	In Progress	2017	2027	
<b>WATER AND WASTEWATER STRATEGY</b>								
3.1.6.1	Reinforce water conservation information regarding efficiency and conservation devices and equipment available on the market	Water Utility Companies	Successfully reinforce and provide information to consumers.		Not Yet Started	2017	2050	
<b>PUBLIC AWARENESS STRATEGY</b>								
3.1.7.1	Use web-based resources to familiarise people on NEP	Ministry responsible for Energy Utilities and Regulator	Campaign advertising the NEP is launched.		Ongoing	2017	2050	
3.1.7.2	Lead public outreach events	Ministry responsible for Energy, Utilities and Regulator	Outreach events that elicit public interest are organized.		Ongoing	2017	2050	
<b>CLIMATE CHANGE AND ENVIRONMENT STRATEGY</b>								
3.1.8.1	Publicise the country's commitment to meeting international and local obligations to combat climate change and promote the mitigation of domestic greenhouse gas emissions while fostering sustainable development	Ministry responsible for Climate Change Policy	Campaign advertising the country's international and national obligations is launched.  Number of persons reached.	TBD (use free media as much as possible)	Not Yet Started	2017	2050	
3.1.8.2	Support public education activities associated with the Climate Change Policy as they related to the National Energy Policy and the National Energy Policy Implementation Plan	Ministry Responsible for Climate Change Policy	Public education activities supported and launched.  Number of persons reached.		Not yet started	2023	2050	

## 6. Strategies and Actions Supporting Goal 2

This section lists sector-specific actions to position the Cayman Islands as a destination of excellence and the standard for the development and application of sustainable energy solutions in small island developing states.

To achieve this objective the National Energy Policy Review Committee has determined the following strategies:

- Electricity Sector Strategy 1- Promote innovation and research in renewable energy developments with a view to introducing appropriate new technologies in the energy mix of The Cayman Islands
- Electricity Sector Strategy 2- Promote public education on energy related issues and provide opportunities to acquire the professional qualifications required to offer services or work in the energy industry, developing a cadre of well-trained and certified individuals at the professional and technician levels
- Electricity Sector Strategy 3: Develop and implement guidelines, standards, and codes for appropriate technologies, to ensure a safe operating environment
- Electricity Sector Strategy 4- Develop and implement the regulatory frameworks to ensure the continuous review and implementation of viable and innovative renewable energy technologies facilitating continual policy alignment to enable the adoption of these technologies when feasible
- Electricity Sector Strategy 5- Promote and support regional and international exchanges to position the Cayman Islands as a leading resource centre for information on best practices in energy research and renewable energy adoption appropriate to small island states and archipelagos
- Land Use & Building Strategy 1: Facilitate the development of renewable energy projects.

Table 6.1 lists the sector-specific actions that will support the accomplishment of Goal 2.

*Table 6.1: Actions supporting Goal 2*

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
<b>GOAL 2</b>								
<b>ELECTRICITY STRATEGY</b>								
3.2.1.1.A	Provide the regulator with the authority to determine appropriate and prudent mechanisms to attract investors and assure their confidence in the development of innovative technologies in the Cayman Islands	OfReg	The regulator has the authority to determine the mechanisms to attract private investors.	TBD	Completed	2017	2021	Executive Director of Utilities and Energy
3.2.1.1.B	Develop guidelines on the framework for interface of innovative, new or developing technologies with the electric utilities systems, including: <ul style="list-style-type: none"> <li>- Approval processes</li> <li>- Sources of funding to promote/facilitate innovation to assure developers and Cayman electric utilities reasonable opportunities for safely testing and commercializing such facilities</li> <li>- Responsible parties for promoting innovation and attracting investment</li> </ul>	OfReg, Utilities, Ministry for Investment Innovation, and Social Development, Ministry responsible for Energy	Working committee established.  Guidelines are developed.	Staff time	Not yet started	2018	2050	
3.2.1.1.C	Issue guidelines on the framework for interface of innovative, new or developing technologies with the electric utilities systems, including sources of funding to promote/facilitate innovation to assure the developer reasonable opportunities for safely testing and commercializing such facilities	OfReg, Utilities, Ministry for Investment Innovation, and Social Development, Ministry responsible for Energy	Guidelines are issued.	Staff time	Not Yet Started	2018	2050	Executive Director of Utilities and Energy
3.2.1.1.D	Implement and keep under review guidelines on the framework for interface of new or developing technologies	OFREG & Ministry responsible for Energy	Guidelines are implemented and updated as needed.	Staff time	Completed	2019	2050	Executive Director of Utilities and Energy
3.2.1.2	Enable and support technical and commercial feasibility studies on sustainable/renewable energy generation	OFREG and Ministry responsible for Planning	Government policy and regulations encourage technical and commercial feasibility studies.	TBD		2017	2050	Executive Director of Utilities and Energy
3.2.1.3.A	Consider the feasibility, benefits, and drawbacks of government majority ownership of renewable energy assets, considering: <ul style="list-style-type: none"> <li>- The risks of any project</li> <li>- The technology, prioritizing projects employing technologies proven to be both technically and commercially feasible fiscal responsibility management</li> </ul>	Ministry responsible for education, Ministry responsible for finance, ministry responsible for planning and infrastructure, Ministry responsible for finance, OfReg, CUC, Island Energy	One working group established; regular meetings held; viability of government majority ownership of renewable energy assets determined.	Staff time		2017	2050	
3.2.1.3.B	If viable, involve the government in renewable energy auction process and communicate timeline and processes to regulator	MSCR, OfReg	Government participates in renewable energy in auction process.			2023	2050	



NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.2.2.1.A.	<p>Introduce sustainable/renewable energy related disciplines into the curricula at secondary, tertiary and vocational education levels by :</p> <ul style="list-style-type: none"> <li>- Leading a gap analysis for curricula at secondary, and tertiary education entities on renewable energy related topics</li> <li>- Updating the curricula based on the results of the gap analysis</li> <li>- Testing updated curricula in workshops for primary, secondary, and tertiary level education</li> <li>- Updating and/or building, as needed, facilities and laboratories to teach the new curricula</li> </ul>	Ministry responsible for Education	The curricula at secondary, tertiary, and vocational education levels include relevant energy related topics.	Staff time and materials	In Progress	2017	2050	STEM Specialist - Department of Education Services
3.2.2.1.B	Keep under review energy-related disciplines in the curricula at secondary, tertiary, and vocational education to ensure they include the most accurate and recent sustainable/renewable information	Ministry responsible for Education	Curricula is revised to include most recent information on relevant energy related topics.	Staff time	Ongoing	2019	2050	STEM Specialist - Department of Education Services
3.2.2.2.A	Develop local certifications and/or recognise external certifications (including vocational qualifications) if necessary	Ministry responsible for Education	Local certifications are developed, and external certifications are recognised.	Staff time	Ongoing	2017	2050	Ministry responsible for education
3.2.2.2.B	Adopt a Public Education and Professional Strengthening Plan to establish, as needed, new vocational colleges or polytechnics, and scholarships and incentive programs	Ministry responsible for Education	Public Education and Professional Strengthening Plan is adopted.	Staff time	In Progress	2017	2050	Ministry responsible for education
3.2.2.2.C	Publish information on certifications that will inform consumers about the qualifications of professionals in energy-related fields	Ministry responsible for Education	Information on certifications is published.	Staff time and materials	Not Yet Started	2017	2050	Ministry responsible for education
3.2.2.2.D	Review licensing requirements for local technical professionals to ensure that they have the necessary skills to carry out dangerous activities without putting the health and safety of the population or the environment at risk	Ministry responsible for Education	Licensing requirements are reviewed.	Staff time	In Progress	2017	2050	, Chairman of the Education Council
3.2.2.2.E	Keep certifications under review to ensure they comply with new standards and practices	Ministry responsible for Education	Certifications are monitored and periodically revised to comply with new standards and practices.	Staff time	In Progress	2018	2050	Chairman of the Education Council
3.2.2.3.A	<p>Promote knowledge-sharing, education, and professional opportunities around renewable energy and electric vehicles for all Caymanians including women, youth, and members of low-income households and communities through interventions such as:</p> <ul style="list-style-type: none"> <li>- Hold workshops and/or create resources to raise awareness of professional and educational opportunities</li> <li>- Establishing scholarships in partnership with the private sector and educational institutions</li> <li>- Raising awareness about job resources, industry, and academic events</li> </ul>	Ministry responsible for Education, MSCR, Ministry of Social Development and Innovation	Working group(s) established; Regular meetings held; Opportunities identified.		Not yet started	2023	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.2.2.3.B	Implement identified initiatives to promote knowledge-sharing, education, and professional opportunities around renewable energy and electric vehicles all Caymanians including women, youth, and members of low-income households and communities	Ministry responsible for Education Ministry of Social Development and Innovation	Initiatives are implemented.		Not yet started	2023	2050	
3.2.3.1	The Government will adopt internationally recognized guidelines, standards, and codes in a timely manner for energy efficiency and innovative and well researched technologies while ensuring a safe operating environment	Ministry responsible for Planning	Guidelines, standards, and building codes are implemented as relevant.		Not yet started	2017	2050	
3.2.5	Host energy research events	Ministry Responsible for Energy and OfReg	Energy-related events are organized.		Not Yet Started	2017	2050	Executive Director of Utilities and Energy
3.2.5.1	Create a resource information system to: <ul style="list-style-type: none"> <li>- Track best practices in energy research</li> <li>- Highlight the Cayman Islands' research on sustainable energy opportunities</li> </ul>	OFREG	Resource information system is created.		Not Yet Started	2017	2050	Executive Director of Utilities and Energy
3.2.5.2	Update resource information system to track best practices in energy research	OFREG	Resource information system is updated.		Ongoing	2017	2050	Executive Director of Utilities and Energy
<b>LAND USE STRATEGY</b>								
3.2.6.1	Facilitate the transition of a technology (for example residential fuel cells) from experimental status to production and application by making appropriate changes to planning rules and regulations by: <ul style="list-style-type: none"> <li>- Ensuring that the technology having an experimental status is safe for the environment and the people of the Cayman Islands</li> <li>- Considering the economic and commercial benefits of changing the status of the experimental technology</li> <li>- Making the appropriate changes to planning rules and regulations to change status of experimental technology</li> </ul>	Ministry responsible for Planning	Technologies that comply with the requirements change status from experimental technologies to commercially and economically viable technologies. Rules and regulations are changed as needed.	TBD	In Progress	2017	2050	Director of Planning
3.2.6.3	The Government shall develop a plan to secure available land for utility-scale renewable energy generation, not to exclude suitable land identified by other parties	Ministry responsible for planning and infrastructure, Ministry responsible for energy	Land suitable for utility-scale renewable energy generation is secured.		In Progress	2017	2050	

## 7. Strategies and Actions Supporting Goal 3

This section lists sector-specific actions to promote energy security in the Cayman Islands.

To achieve this objective the National Energy Policy Review Committee has determined the following strategies:

- Electricity Sector Strategy 1- Ensure that the legal and regulatory framework and key institutions such as the regulator promotes or facilitates renewable energy and energy storage development in pursuit of the National Energy Policy's renewable energy target and supports the longer-term goal to reach 100% renewable energy.
- Electricity Sector Strategy 2- Ensure that the regulatory frameworks balance the interests of consumers in price, affordability and quality of service while facilitating investments, through competition, that optimize efficiency, reliability, safety, environmental performance, and the security of the public electricity supply.
- Fuel Sector Strategy 1- Where it is proven to be economically advantageous and prudent, consider and promote the introduction of alternative fuels in the mix of fuels used for transportation.
- Fuel Sector Strategy 2- Where it is proven to be economically advantageous and prudent, consider and promote the introduction of alternative fuels in the mix of fuels used for transportation.
- Fuel Sector Strategy 3- Ensure a secure, reliable, sustainable, competitive, and affordable supply of fuel products into the Cayman Islands.
- Electricity Sector Strategy 3- Promote the utilization of brownfield sites such as marlpits in the build-out of renewable energy facilities.
- Transportation Sector Strategy 1- Increase the share of lower emission, fuel efficient, electric and hybrid vehicles in the fleet of the Cayman Islands.
- Land Use & Buildings Sector Strategy 1- Provide a framework and incentives that will promote the implementation of energy efficiency measures in new and renovated buildings and structures.
- Land Use & Buildings Sector Strategy 2- Support energy efficiency and conservation retrofits of existing facilities.
- Land Use & Buildings Sector Strategy 3- Rank resources to determine areas of land, sea or air suitable for future electricity production and storage and avoid areas whose alteration could become a source of greenhouse gas emissions.
- Land Use & Buildings Sector Strategy 4- Promote the inclusion of renewable energy solutions and energy storage in new and existing structures, including those critical facilities to promote energy resiliency.
- Land Use & Buildings Sector Strategy 5- Facilitate the enhanced security of the electrical distribution network.
- Water and Wastewater Strategy 1- Develop and maintain programmes promoting efficiency and conservation for water production and supply and the reduction of wastewater creation.

Table 7.1 lists the sector-specific actions that will support the accomplishment of Goal 3.

*Table 7.1: Actions supporting Goal 3*

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
<b>GOAL 3</b>								
<b>ELECTRICITY STRATEGY</b>								
3.3.1.1.A	Promote the social, environmental, and economic benefits of renewable energy, taking into account the cost of energy and standards in safety, reliability, and power quality  Conduct periodic studies to ensure electric grid can support renewable energy adoption	OFREG	Do a comprehensive review of the benefits and costs of promoting renewable energy, and make necessary changes to policy, laws, and regulations. Periodic studies are conducted.	Staff time	In Progress	2017	2050	Executive Director of Utilities and Energy
3.3.1.1.B	Develop an awareness campaign on the benefits of renewable energy, including minimum equipment standards when purchasing a renewable and storage system for self-use.	MSCR, CUC, Ministry responsible for planning and infrastructure	Public awareness campaign is developed.			2017	2050	
3.3.1.1.C	Launch an awareness campaign on the benefits of renewable energy, including minimum equipment standards when purchasing a renewable and storage system for self-use	MSCR	Public awareness campaign is launched.			2017	2050	
3.3.1.2	Ensure that the Cayman Islands' natural environment is safeguarded while renewable energy resources are developed	Ministry responsible for Energy	Do a comprehensive review of renewable energy development and conservation of the natural environment, and make necessary changes to policy, laws, and regulations to ensure the natural environment is preserved while resources are developed.	Staff time		2017	2050	
3.3.1.3	Ensure fair and transparent competition for procuring utility-scale sustainable generation	OFREG	Utility-scale sustainable generation is procured in a competitive and transparent way.	Staff time	Completed	2017	2050	Executive Director of Utilities and Energy

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.1.4	Permit any licensed utility to solicit utility-scale sustainable or renewable energy projects, if it consistent with its license	OFREG	Licensed utilities can participate in the solicitation of utility-scale renewable energy projects.	Staff time	Completed	2017	2050	Executive Director of Utilities and Energy
3.3.1.5	Set all rates, tariffs and commercial interests for utilities via their relevant licenses	OFREG	Regulator sets rates, tariffs, and commercial interests according to their licences.	Staff time	Completed	2017	2050	Executive Director of Utilities and Energy
3.3.1.6	Keep under review fee and tax structures to encourage the adoption of sustainable energy projects	Ministry responsible for Finance	Regularly review fee and tax structures to determine if they adequately promote sustainable energy projects.	Staff time		2017	2050	
3.3.1.7.A	Require licensed utilities to purchase utility-scale renewable energy from a third party when the cost of the available renewable energy is below the utility's avoided cost. Require the utility to pay a margin above the utility's avoided cost for sustainable energy to meet targets established under or to generally further the goals of the Policy, if the margin will not have a significant impact on the overall consumer prices	OFREG	Regulator issues and implements requirements for licensed utilities to purchase utility-scale renewable energy from a third party when the cost is below the utility's avoided cost.	Staff time	Ongoing	2017	2050	Executive Director of Utilities and Energy
3.3.1.7.B	Determine the price to be paid for renewable energy	OFREG	Plan has Ministry for Transport but perhaps should be DVDL.	Staff time	Ongoing	2017	2050	Executive Director of Utilities and Energy
3.3.1.8.A	Increase the penetration of utility-scale and distributed renewable energy generation on the grid using existing developed spaces to the extent feasible. Such analysis should consider the equitable impacts of the location of distributed generation and explore methods to promote its uptake in disadvantaged communities	OFREG, CUC, Island Energy, Ministry responsible for Energy	Penetration of utility-scale and distributed renewable energy generation on the grid increases. Distributed generation capacity allocated to consumer-sited renewable energy programmes. Distributed generation capacity promoted and allocated to low-income households and affordable homes.	Staff time	Ongoing	2017	2050	Executive Director of Utilities and Energy et al
3.3.1.8.B	Determine cost-reflective tariffs for providing back-up or standby power and interconnection. Utility tariffs will fairly reward consumers who contribute assets to system resources, taking into account: <ul style="list-style-type: none"> <li>- Utilities maintain estimated electrical loads for each building type so that calculations of future electrical loads of a community or district can be made with reasonable accuracy</li> <li>- Government produces estimates on building efficiency nationally by building type</li> <li>- Government reports annually on rooftop area and location by building type. Government reports annually on parcel area and location available for renewable energy development</li> </ul>	OFREG	Tariffs, and methodology used to calculate tariffs, determined and published.	Staff time	Completed	2017	2050	Executive Director of Utilities and Energy et al
3.3.1.9	Facilitate sub-metering in multi-occupancy buildings consistent with electricity laws and/or utility licenses	OFREG, CUC, Island Energy	Utilities adopt processes for sub-metering in multi-occupancy buildings.	Staff time	Completed	2017	2050	Executive Director of Utilities and Energy
3.3.1.10	Require utilities to plan their electric systems to optimally meet system requirements including traditional resources utility and distributed sustainable and renewable generation	OFREG, CUC	Regulator issues regulations for regular integrated resource plans.	Staff time		2017	2050	Executive Director of Utilities and Energy

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.1.11	<p>Establish and disseminate clear guidelines and responsible parties for IRP process</p> <p>Consult with the Caribbean Development Bank, World Bank, IDB, or other entities to identify opportunities for greater Government oversight of integrated resource planning processes, as applicable</p> <p>Review cadence of integrated resource plan to consider cost/benefits of reducing time interval</p>	Ministry responsible for energy, OfReg	<p>Guidelines for IRP processes and responsible parties are disseminated.</p> <p>Opportunities for further government oversight of IRP process are considered.</p> <p>Cost/benefits of reducing time interval of IRP determined</p>			2023	2050	
3.3.1.12. B	<p>Develop policies to expand access consumer-sited to renewable energy, by:</p> <ul style="list-style-type: none"> <li>- Determining rules and regulations for grid-connected microgrids at critical facilities (hospitals, schools, etc.), community solar projects, and programmes for non-homeowners (condos, apartments).</li> <li>- Reviewing and updating feed-in-tariff rates</li> <li>- Defining distributed generation size limits</li> <li>- Considering a consumer right to produce renewable energy and energy storage and its effect on costs, stability, reliability of electricity on the grid.</li> <li>- Considering the rules for service-provider participation in the distributed generation market</li> <li>- Establishing a regular cadence for value of solar studies and defining its role in rate-setting</li> <li>- Reviewing suitable cost-recovery mechanisms for T&amp;D upgrade costs</li> </ul>	OfReg, CUC, Island Energy, private sector and civil society participants			Not yet started	2023	2050	
3.3.1.12.C	<p>Encourage the adoption of microgrids, community solar, and solar for non-homeowners through:</p> <p>Pilot programmes, as relevant</p> <p>Public awareness campaigns</p> <p>Development of a licensing and competitive framework where relevant</p> <p>Engagement with the private sector</p> <p>Development of educational resources</p>	Ofreg, CUC, MSCR, Ministry responsible for Education Ministry responsible for Education, Ministry of Health & Wellness			Not yet started	2023	2050	
3.3.1.12.D	Implement, monitor, and update as needed, grid-connected consumer-sited renewable energy programmes.	OFREG		Staff time	Completed	2017	2050	Executive Director of Utilities and Energy
3.3.1.13	<p>Keep under review an appropriate import duty regime for all renewable energy systems, including energy monitoring equipment revise as needed every five years</p> <p>The import duty rate will be maintained at zero percent (0%) from 2023-2027</p>	Ministry responsible for Finance, Ministry responsible for Border Control, Ministry responsible for Energy		Staff time	In Progress	2017	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.1.14	Lead a public awareness campaign and facilitate the development of “green” financial incentives for consumer-sited renewable energy systems and equipment, such as: <ul style="list-style-type: none"> <li>- Favorable loan terms and preferential interest rates, grace periods, extended terms, and preferential collateral requirements</li> <li>- Grants</li> <li>- Rebates</li> </ul> Utility and private sector financing (as determined by consultations under 3.3.1.12.)	Ministry responsible for energy, Ministry responsible for Finance		Staff time and resources		2017	2050	
3.3.1.15.A	Explore possibility of developing policies for utility to provides guarantees of payments due to solar production under the approved renewable energy programmes be it to consumers or their lenders in the case of default of any renewable energy financing	OfReg, CUC, Island Energy			Not yet started	2023	2050	
3.3.1.15.B	If feasible, implement policies for utility provides guarantees of payments due to solar production under the approved renewable energy programs, be it to consumers or their lenders in the case of default of any renewable energy financing	OfReg	Policies are implemented.		Not yet started	2023	2050	
3.3.1.16	Improve the planning and permitting processes for renewable energy development by: <ul style="list-style-type: none"> <li>- Establishing standardized planning and permitting requirements and processes through BC for each renewable energy technology</li> <li>- Reviewing strata development rules to provide for the installation of distributed solar systems (PV and solar water heaters)</li> <li>- Providing for the inclusion of any planning and permitting requirements for distributed renewable generation in the process for interconnection under consumer-sited renewable energy programmes or self-supply</li> <li>- Considering setting, and if appropriate, implement limits (kW installed caps) below which no planning or permitting requirement is needed to qualify for consumer-sited renewable energy programmes</li> <li>- Periodically reviewing planning and permitting requirements and other regulations and revise when necessary</li> <li>- Developing a clearly defined procedure under which planning can consider and if appropriate approve non-standard systems</li> </ul>	Ministry responsible for Planning, OFREG	Planning and permitting process are improved and more efficient.	Staff time	In Progress	2017	2050	Department of Planning
3.3.1.17.A	Review the airport exclusion zone requirements and restrictions	Ministry responsible for planning and infrastructure, CIAA	Airport exclusion zone requirements and restrictions are reviewed. Opportunities for wind energy determined.	Staff time	In progress	2017	2050	
3.3.1.17.B	Revise the airport exclusion zone requirements and restrictions, if necessary	Ministry responsible for planning and infrastructure, CIAA	Airport exclusion zone requirements and restrictions are revised, if necessary.	Staff time	In progress	2017	2050	
3.3.1.18	Review the exclusion zone requirements and restrictions for a doppler and radar stations, recognizing the benefits of such stations coexisting with renewable generation, to consider whether and how to revise exclusion zones to accommodate utility scale wind energy facilities on Grand Cayman	Ministry responsible for planning and infrastructure	Airport exclusion zone requirements and restrictions are reviewed. Opportunities for wind energy determined.	Staff time	In progress	2017	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.1.19.A	Conduct periodic studies to analyze opportunities for energy storage to promote renewable energy integration, demand-side management and electricity grid stability and reliability, as part of the utility planning processes	CUC, Island Energy , OfReg	Studies are completed every x number of years.		Ongoing	2023	2050	
3.3.1.19.B	Approve and implement viable energy storage projects	OfReg	Storage systems are operational.		Ongoing	2023	2050	
3.3.1.19.C	Explore opportunities for incentives for distributed energy storage systems by: <ul style="list-style-type: none"> <li>- Considering government rebates on storage technology</li> <li>- Promoting access to financing</li> <li>- Considering the role of OfReg’s Innovation Support Fund</li> </ul>	OfReg, CUC, Island Energy	Opportunities for distributed energy storage incentives assessed.			2023	2050	
3.3.2.2.E(1)	In collaboration with Cayman Islands electric utilities, develop economically viable energy efficiency programmes, such as utility demand response initiatives, and a tariff structure encouraging energy efficiency by means of energy savings, energy load reductions, and energy usage	OfReg, CUC, Island Energy	Energy efficiency programmes and tariffs are developed.		In process	2017	2050	
3.3.2.2.E(2)	Implement economically viable energy efficiency programs and a tariff structure encouraging energy efficiency by means of energy savings, energy load reductions, and energy usage	OfReg, CUC, Island Energy	Energy efficiency programmes and tariffs are implemented.		Not yet started	2017	2050	
3.3.2.2.E (3)	For tracking purposes, share relevant data on implementation of utility energy efficiency programmes, including load reduction estimates	OfReg, CUC, Island Energy , MSCR	Energy efficiency data is shared and tracked.		Ongoing	2017	2050	
3.3.2.2.F(1)	Carry out a study to confirm that there are net benefits for implementing Time of Use tariffs to consumers for renewable energy, energy storage, and electric vehicle charging	OfReg	Study completed.		Not yet started	2023	2050	
3.3.2.2.F(2)	If viable, implement Time of Use tariffs to consumers for renewable energy, energy storage, and electric vehicle charging	OfReg	Time-of-use tariffs are implemented.		Not yet started	2023	2050	
3.3.2.3	Implement advanced metering and smart grid technologies to optimize sustainable/renewable electricity generation and consumption by customers	CUC, ISLAND ENERGY	Advanced metering and smart grid technologies are used when economically viable.	TBD		2017	2050	



NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.3.A	Lead environmental site assessments to identify brownfields sites that are suitable for renewable energy facilities	Ministry responsible for energy, Ministry responsible for planning and infrastructure	Suitable brownfields are identified.	Staff time	Completed	2017	2050	
3.3.3.B	Promote suitable areas for renewable energy projects	Ministry responsible for energy, Ministry responsible for planning and infrastructure	Suitable brownfields are promoted for projects.	TBD	Not Yet Started	2017	2027	
3.3.3.C	Ensure a non-hazardous revitalization of brownfields	Ministry responsible for energy, Ministry responsible for planning and infrastructure, Ministry responsible for health and wellness	Suitable brownfields are revitalized.	TBD	Not Yet Started	2017	2027	
<b>FUEL STRATEGY</b>								
3.3.4.1	Explore the technical and commercial viability of introducing limited blends of ethanol in gasoline (up to E10) and biodiesel (up to B5)	OFREG	Technical and commercial viability of limited blends of ethanol is determined.	Staff time	In Progress	2017	2050	
3.3.4.1.B	If feasible, introduce limited blends of ethanol in gasoline (up to E10) and biodiesel (up to B5)	OFREG	Limited blends of ethanol introduced, if proved feasible.	Staff time	In Progress	2018	2050	
3.3.5.1.A	Determine the viability of natural gas (imported as liquefied natural gas [LNG] or compressed natural gas [CNG]) for power generation	OFREG, CUC, Island Energy	Viability of natural gas use for power generation determined.	Staff time	In Progress	2017	2050	Executive Director of Utilities and Energy
3.3.5.1.B	If feasible, introduce natural gas for power generation	OFREG and DEH	Natural gas introduced, if proved feasible.	Staff time	Not Yet Started	2018	2050	
3.3.5.8.C	For tracking purposes, provide Government with list of energy efficient technologies required by any new building code standards and others suitable for duty reduction, as well as data on Government facility retrofits on any as-requested basis	Ministry responsible for Planning and private sector				2023	2050	
3.3.6.1	Develop policies and implement the legal and regulatory framework to secure: <ul style="list-style-type: none"> <li>- A fair and competitive market for the importation of fuels into the Cayman Islands</li> <li>- A fair and competitive market in the marketing and retailing of fuel products</li> <li>- The adoption of equipment technology advances and support for fuel types and specifications appropriate</li> <li>- The ongoing review and implementation of policies that foster affordable fuel prices</li> <li>- An understanding of the impact that the existing fuel importing bulk storage facilities and distribution infrastructure and any future bulk fuel installations and facilities development opportunities would have on fuel related strategies</li> <li>- Industry test standards for all fuels used in the Cayman Islands</li> <li>- That fuel suppliers comply with established international environmental, health, and safety regulatory standards for quality control</li> </ul>	Ministry responsible for energy and Parliament	Do a comprehensive review of fuels policy, laws, and regulations, and implement any necessary changes. The legal and regulatory framework ensures a secure, reliable, sustainable, competitive, and affordable supply of fuel products.	Staff time		2017	2050	
<b>TRANSPORTATION</b>								
3.3.7.2	Support the progressive conversion of the public transportation fleet to more efficient alternatives such as EVs, hybrids, and alternative fuel vehicles	Ministry responsible for Transport	The public transportation fleet uses efficient alternative vehicles.	TBD	In Progress	2017	2050	
3.3.7.3	Complete a review of duties and incentives to promote electric vehicles electric vehicle adoption. Reduce the duty on all EVs to 0% for an additional five years (2023-2050) Explore increasing d duties for inefficient vehicles	Ministry responsible and Finance and Ministry responsible for Energy	Duties on all EVs reduced to 0% from 2023-2027. Duties on inefficient vehicles increased.		Ongoing	2017	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.7.4.A	<p>Assess policies to promote electric vehicle adoption in the Cayman Islands, including needs for EV charging infrastructure, including:</p> <ul style="list-style-type: none"> <li>- Requirements for EV-designated parking spaces for roadside parking and at residential, commercial, and mixed-use properties, including parking violation regulations to include use of EV charge station parking spots for reasons other than charging an EV</li> <li>- Open access charging protocols</li> <li>- Fines for vandalism</li> <li>- EV fire safety standards</li> <li>- Safety standards for EV siting</li> <li>- Dedicated electrical conduit runs to CUC and Island Energy transformers for EV chargers at multi-residential and commercial new construction.</li> <li>- Import duty relief only for "Smart" EV chargers with internet connectivity for remote management and scheduling of least cost charging</li> </ul>	CUC, Ministry responsible for transportation, Ministry responsible for energy, ministry responsible for planning and infrastructure, Cayman Islands Fire Service	Policies are assessed.		Not yet started	2023	2050	
3.3.7.4.B	<p>Advance planning and permitting processes for EV charging infrastructure to increase efficiency, promote transparency, and decrease costs. In particular:</p> <ul style="list-style-type: none"> <li>- Develop a web-based permitting option for EV chargers</li> <li>- Review requirements for data logging and new drawings of existing panels</li> <li>- Inspections of EV charger infrastructure</li> </ul>	CUC, Ministry responsible for transportation, Ministry responsible for energy, Island Energy	Planning and permitting process are improved and more efficient.		Not yet started	2023	2050	
3.3.7.4.C	<p>For tracking purposes, provide MSCR with data on:</p> <ul style="list-style-type: none"> <li>- Vehicle imports, registrations, installed charging infrastructure, and plans for public fleet electrification</li> <li>- All vehicle imports</li> <li>- Installed charging infrastructure</li> <li>- Plans for public fleet electrification</li> <li>- Light/medium/heavy duty (by registration class and weight)</li> <li>- EVs, plug-in hybrids, and non-conventional fuel vehicles</li> </ul>	Ministry responsible or energy, CUC, Ministry responsible for transportation, DVDL	Vehicle data is shared and tracked.		Ongoing	2023	2050	
3.3.7.4.D	Implement policies to promote electric vehicle adopted in the Cayman Islands	Ministry responsible or energy, Ministry responsible for transportation	<p>Policies are implemented.</p> <p>Number of chargers deployed, including those located in tagged/advantaged communities.</p>		Not yet started	2023	2050	
<b>LAND USE &amp; BUILDINGS</b>								
3.3.8.1.A	<p>Determine amendments needed to the Building Code to mandate energy efficiency in:</p> <ul style="list-style-type: none"> <li>- Lighting, by defining a minimum standard for lighting efficiency based on space type</li> <li>- Insulation, by defining minimum standards for: insulation values of walls, doors, roof, and ceilings; window properties; and tightness of building envelope. These requirements will be mandatory for all "Main Building" structures</li> <li>- Equipment, by setting minimum standards for electrical, thermal and mechanical devices in cooling and ventilation, relative to property size</li> </ul>	Ministry responsible for Planning and infrastructure	Amendments needed are determined.	Staff time	In Progress	2017	2050	Department of Planning, BC
3.3.8.1.B	Amend the Building Code	Ministry responsible for Planning and infrastructure	Building Code is amended.	Staff time	In Progress	2018	2019	Department of Planning, BC
3.3.8.1.C	Update the Building Code as needed to reflect changes in practices and standards	Ministry responsible for Planning and infrastructure	Code is revised as needed.	Staff time	In Progress	2019	2050	Department of Planning, BC

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.8.2	Adopt regional and international codes, where appropriate including CARICOM Regional Energy Efficiency Building Code (CREEBC) and International Residential Code's Chapter 11 energy efficiency standards, International Energy Conservation Code or those of the American Society of Heating, Ventilation, Refrigeration and Air Conditioning Engineers (ASHRAE)	Ministry responsible for Planning and infrastructure	International codes are adopted, if applicable.	Staff time	In Progress	2019	2050	Department of Planning, BC
3.3.8.3	Determine amendments needed to the Building Code to allow safe and easy incorporation of renewable energy systems into building design	Ministry responsible for Planning and infrastructure	Amendments needed are determined.	Staff time	Completed	2017	2020	Department of Planning, BC
3.3.8.3.B	Amend the Building Code to allow safe and easy incorporation of renewable energy systems into building design	Ministry responsible for Planning and infrastructure	Building code is amended.	Staff time	Completed	2018	2020	Department of Planning, BC
3.3.8.3.C	Update the Building Code as needed to reflect changes in practices and standards	Ministry responsible for Planning and infrastructure	Code is revised as needed.	Staff time	Completed	2019	2027	Department of Planning, BC
3.3.8.4	Implement Government fee reductions and incentives for homes and buildings which are LEED certified which provide efficiency and sustainability levels that exceed minimum Cayman Islands building code every five years.	Ministry responsible for Planning and infrastructure	International building efficiency standards are promoted.	Staff time	In Progress	2017	2050	Department of Planning, BC
3.3.8.5.A	Determine incentives for energy efficient appliances, devices, and sustainable building materials, including those that incorporate green infrastructure design concepts, every five years. Consult with the private sector to identify additional energy efficient technologies to support	Ministry responsible for Planning and infrastructure, Ministry responsible for energy, Ministry responsible for finance	Incentives are determined.	Staff time	Ongoing	2017	2050	
3.3.8.5.B	Provide incentives for energy efficient appliances, devices, and sustainable building materials, including those that incorporate green infrastructure design concepts, every five years as suitable.	Ministry responsible for Planning and Infrastructure	Increase in energy efficient appliances, devices, and sustainable building materials.	Staff time		2017	2050	
3.3.8.5.C	For tracking purposes, provide Government with list of energy efficient technologies required by any new building code standards and others suitable for duty reduction on any as-requested basis	Ministry responsible for Planning and infrastructure, Ministry responsible for energy, Ministry responsible for finance	Energy efficient data shared and tracked.		Ongoing	2023	2050	
3.3.8.6.A	Develop assistance programmes for the inclusion of energy production, efficiency, and storage systems within buildings	Ministry responsible for Energy	Assistance programmes are developed.	Staff time		2017	2050	
3.3.8.6.B	Launch assistance programmes for the inclusion of energy production, efficiency, and storage systems within buildings	Ministry responsible for Energy	Programmes are launched. Increase in energy production, efficiency, and storage systems within buildings.	Staff time		2017	2050	
3.3.9.1.A	Develop programme to retrofit Government buildings and facilities with renewable energy, energy saving and conservation devices	Ministry responsible for Planning and Infrastructure	Programme to retrofit Government Buildings and facilities is launched.	Staff time	In Progress	2017	2050	
3.3.9.1.B	Implement programme to retrofit Government buildings and facilities	Ministry responsible for Planning and Infrastructure	Government buildings and facilities are retrofitted.	Staff time	Not Yet Started	2019	2050	
3.3.9.2	Develop programme to reduce energy demand in Government-owned facilities	Ministry responsible for Planning and Infrastructure	Programme to reduce energy demand is launched.	Staff time	In Progress	2019	2050	
3.3.9.3	Ensure that any new or rehabilitation of facilities undertaken by the Government will, unless clearly inappropriate, incorporate international energy efficiency standards such as LEED, renewable energy systems, and electric vehicle to the greatest extent feasible	Ministry responsible for Planning and Infrastructure	Government facilities adopt international standards and use renewable energy practices.	TBD	In Progress	2017	2027	
3.3.9.4.A	Develop a programme to rate buildings using established recognized standards	Ministry responsible for Planning and Infrastructure	Ranking is established.	TBD	Not Yet Started	2017	2050	
3.3.9.4.B	Mandate ranking information be made available when space is listed for rent or sale to potential buyers and renters	Ministry responsible for Planning and Infrastructure	Ranking information is available to renters and buyers.	Negligible	Not Yet Started	2018	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.9.5	Retrofit public street lighting fixtures to energy efficient alternatives and renewable energy sources, where cost effective	Ministry responsible for Planning and Infrastructure	Public street lighting fixtures are retrofitted.	TBD	In Progress	2017	2019	Executive Director of Utilities and Energy
3.3.10.1	Implement a legal and regulatory framework for timely reservation of land, sea or air resources by: <ul style="list-style-type: none"> <li>- Categorizing and listing land suitable for future electricity production</li> <li>- Establishing a process to reserve land not suitable for electricity productions and storage</li> <li>- identify and avoid areas deemed vulnerable to climate hazards.</li> </ul>	OFREG	Do a comprehensive review of the framework establishing land suitability for electricity production and storage, and make necessary changes to policy, laws, and regulations.	Staff time	Not Yet Started	2017	2050	Executive Director of Utilities and Energy
3.3.11.1	Promote the appropriate application of economically viable off-grid and on-grid renewable energy solutions for residential, commercial use, such as: <ul style="list-style-type: none"> <li>- Lighting</li> <li>- Appliances</li> </ul>	MSCR	Residential and commercial users are aware of the multiple application uses of renewable energy sources.	TBD		2017	2027	
3.3.11.2.A	Identify incentives to encourage integration of renewable energy solutions in public spaces, such as designated parking spaces for EV's	Ministry responsible for Planning and Infrastructure, Ministry responsible for energy	Incentives are identified.	Staff time	In Progress	2017	2050	Ministry responsible for planning and infrastructure
3.3.11.2.B	Provide incentives to encourage integration of renewable energy solutions in public spaces	Ministry responsible for Energy & Ministry responsible for Planning and Infrastructure	Incentives are in place to encourage renewable energy in public spaces.	Staff time	In Progress	2018	2050	Ministry responsible for planning and infrastructure
3.3.11.3	Facilitate interconnection of waste-to-energy generation to the grid	Ministry responsible for Planning and Infrastructure	Waste-to-energy generation is interconnected to the grid.	TBD	In Progress	2017	2020	Ministry responsible for energy
3.3.11.4	The Government shall develop and implement a plan for energy resiliency for critical infrastructure primarily using renewable energy and energy storage systems	Ministry responsible for Planning and Infrastructure	Energy resiliency plan for critical infrastructure developed and implemented.	TBD	Not yet started	2017	2050	
3.3.12.1	Promote the inclusion of utility corridors in roadways for current and future use	Ministry responsible for Planning and Infrastructure	Processes for including utility corridors in roadways are in place.	TBD		2017	2050	
3.3.12.2	Review physical and cybersecurity standards and needs for electricity infrastructure and data management	Ministry responsible for Planning and Infrastructure	Physical and cybersecurity standards are reviewed.		In progress	2023	2050	
3.3.12.2.B	Implement physical and cybersecurity standards and needs for electricity infrastructure and data management	OFREG	Physical and cybersecurity standards are implemented.		Not yet started	2023	2050	
<b>WATER AND WASTEWATER STRATEGY</b>								
3.3.13.1	Ensure that the regulatory framework: <ul style="list-style-type: none"> <li>- Encourages efficient investment in water infrastructure</li> <li>- Encourages continuous improvement in energy efficiencies of plant</li> <li>- Encourages investments in renewable energy generation where feasible as an alternative or complementary to the public electricity supply system or onsite diesel generation</li> <li>- Allows recovery of investments approved by a regulator in water efficiency interventions on customer premises</li> <li>- Establishes targets for reductions in non-revenue water</li> <li>- Supports a regime of cost reflective tariffs allowing the recovery of efficient investments in water infrastructure</li> <li>- Allows for consumer/customer-sited reverse osmosis (or similar technology) using renewable energy</li> </ul>	OFREG, Ministry responsible for water	Do a comprehensive review of energy efficiency and conservation in the water sector, and make necessary changes to policy, laws, and regulations.	Staff time	Not Yet Started	2017	2050	Executive Director of Utilities and Energy et al

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.3.13.2.A	Assess water conservation practices	Ministry responsible for Water	Water conservation practices assessed.	Staff time		2017	2050	
3.3.13.2.B	Take remedial actions to promote water conservation practices that reduce demand for potable water for non-potable use, by: - Providing incentives for rainwater harvesting - Encouraging the use of fresh grey water	Ministry responsible for Water	Demand for potable water for non-potable use decreases.	Staff time		2017	2050	
3.3.13.3	Take remedial actions to promote water conservation practices through the adoption of appropriate standards and fiscal measures	OFREG	Regulations and fiscal measures encourage water conservation.	Staff time		2017	2050	Executive Director of Utilities and Energy
3.3.13.4.A	Carry out benchmarking on the central wastewater system serving the Seven Mile Beach area to identify measures to achieve progressively higher efficiencies in wastewater collection and treatment	Ministry responsible for Water	Benchmarking analysis on the central wastewater system is carried out.	Staff time		2017	2050	
3.3.13.4.B	Implement measures to achieve progressively higher efficiencies in wastewater collection and treatment identified in the benchmarking	Ministry responsible for Water	Measures are implemented.	Staff time		2017	2050	
3.3.13.5.A	Create an energy rating system administered to assess the efficiency of onsite wastewater treatment systems	OFREG	Energy rating system is introduced and used constantly.	Staff time		2017	2050	Executive Director of Utilities and Energy
3.3.13.5.B	Introduce energy rating system administered to assess the efficiency of onsite wastewater treatment systems	OFREG	Energy rating system is introduced and used constantly.	Staff time		2017	2050	Executive Director of Utilities and Energy
3.3.7.1	Encourage the use of low emission, fuel efficient, electric and hybrid vehicles in the Cayman Islands by: - Creating and/or maintaining incentives to facilitate the usage of electric and hybrid vehicles - Publicising the Government's initiative to convert its fleet to electric and hybrid vehicles - Publicising information on dealerships that promote recycling, servicing, and manufacturers warranties for EV batteries - Developing standards for end-of-life handling and disposal of EV batteries	DVES and Ministry responsible for Transport	The number of fuel efficient, electric and hybrid vehicles and hybrids increases. A public advertising campaign is launched to show the Government's initiative.	TBD	Ongoing	2017	2050	

## 8. Strategies and Actions Supporting Goal 4

This section lists sector-specific actions to promote socio-economic development by developing the renewable energy industry.

To achieve this objective the National Energy Policy Review Committee has determined the following strategies:

- Electricity Sector Strategy 1- Maintain planning and permitting processes for renewable energy development which are equitable, resilient, transparent, objective and facilitate transforming electricity generation primarily to renewable energy sources
- Fuel Sector Strategy 1- Ensure sustainable handling, storage, and disposal of non-hazardous and hazardous waste fuel products
- Transportation Sector Strategy 1- Encourage bicycles as an as an alternative mode of transportation and work with the Ministries responsible for transportation and land use planning to develop strategies to increase bicycle safety.
- Transportation Sector Strategy 2- Optimize traffic efficiency and address current bottlenecks
- Transportation Sector Strategy 3- Promote measures designed to facilitate efficient utilization of and reduce demand for available parking space
- Transportation Sector Strategy 4- Encourage the development of public transportation modalities as a viable alternative to private transportation
- Land Use and Building Sector Strategy 1- Ensure that the Development Plan is kept updated to fully reflect commitment to sustainable energy practices supporting healthy lifestyles and to encourage zoning diversity and mixed-use development
- Water & Wastewater Strategy 1- Promote initiatives designed to protect ground water resources and achieve environmentally friendly and efficient collection, treatment, and disposal of wastewater
- Climate Change & Environment Strategy 1: Embrace the relevant commitments of the United Nations Sustainable Development Goals No. 7 as guiding principles related to the development of sustainable energy solutions to “ensure access to affordable, reliable and modern energy for all”
- Climate Change & Environment Strategy 2 Embrace the goals enunciated in the Paris 2015 Agreement on Climate change and develop supporting energy goals and strategies

Table 8.1 lists the sector-specific actions that will support the accomplishment of Goal 4. 1

*Table 8.1: Actions supporting Goal 4*

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
<b>GOAL 4</b>								
<b>ELECTRICITY</b>								
3.4.1.1.A	The Government shall ensure a renewable energy transition plan focused on the protection and choice in energy for Cayman’s consumers Opportunities for utility scale solar on all islands (Grand Cayman, Cayman Brac and Little Cayman explored	, OfReg, CUC, Island Energy	Request for quotations/proposals released.  Integrated resource plans developed.		Ongoing	2023	2050	
3.4.1.1.B	Award and commission utility-scale renewable energy projects that include storage and dispatchable capability to support the grid where appropriate	OfReg	Tenders awarded.			2023	2050	
3.4.1.1.C	Prioritise the protection and choice of Cayman’s consumers when structuring the renewable energy transition by: - Ensuring that consumers have access to the information about the energy market - Ensuring consumers will be able to request a smart meter or other energy management system from their electricity supplier - Providing information on energy efficiency measures - Replacement of old bulbs upon demise, with energy efficient bulbs. - Fitting light sensors to turn off lights when staff member has departed office space	Ministry responsible for Energy, OFREG, CUC	Consumers receive accurate and timely information that allows them to make the appropriate decisions and constructively participate in public consultation processes.	Staff time		2017	2050	Executive Director of Utilities and Energy et al
3.4.1.1.D	Provide Government with requisite data on energy generation and storage planning on an as-requested basis, including: Electricity generation and storage planning, including MW capacity and estimated timelines Projected generation retirements	Ministry responsible for energy, CUC, Island Energy, OfReg	Data is provided on an as-requested basis.		Ongoing	2023	2050	
3.4.1.2.A	Design policies to promote equitable access to distributed generation programs through: - Equitable access to distributed generation capacity allocations - Policies for community solar programs - Access to distributed solar and storage options, including low-cost financing, for low-income households - “Renewable Programs designed to enable disadvantaged communities to participate in distributed generation programs	OfReg, CUC, Island Energy, Ministry responsible for energy	Policies for distributed generation assessed.  Working groups held.		In progress	2023	2050	



NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.4.1.2.B	Implement policies to promote equitable access to distributed generation programs through: <ul style="list-style-type: none"> <li>- Equitable access to distributed generation capacity allocations</li> <li>- Policies for community solar programs</li> <li>- Access to distributed solar and storage options, including low-cost financing, for low-income households</li> <li>- “Renewable Programs designed to enable disadvantaged communities to participate in distributed generation programs.</li> </ul>	OfReg, CUC, Island Energy, Ministry responsible for energy	Policies for distributed generation are implemented.		Not yet started	2023	2050	
3.4.1.3	Assess potential for distributed solar and storage at critical public facilities such as hospitals, schools, and water infrastructure					2023	2050	
3.4.1.4	Maintain and keep under review practices to safely dispose of end-of-life solar and energy storage systems					2023	2050	

FUEL STRATEGY								
3.4.2.1.A	Assess practices to collect and handle waste oil	DEH, OFREG, Ministry responsible for health and wellness	Common practices are identified and assessed.	Staff time		2017	2050	Director DEH, Richard Simms
3.4.2.1.B	Take remedial action, if needed, to correct and/or promote new practices to collect and handle waste oil	DEH, OFREG, Ministry responsible for health and wellness	Remedial actions are taken, if needed.	Staff time		2017	2050	Director DEH, Richard Simms
3.4.2.1.C	Maintain and keep under review practices to collect and handle waste oil	DEH, OFREG, Ministry responsible for health and wellness	Practices to collect and handle waste oil are maintained and reviewed as needed.	Staff time		2017	2050	Director DEH, Richard Simms
3.4.2.2.A	Assess private operators' practices when generating waste oil to ensure: <ul style="list-style-type: none"> <li>- The safety of the environment</li> <li>- Standards required for exportation are followed</li> </ul>	OFREG	Private operators' practices are assessed.	Staff time		2017	2050	



NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.4.2.2.B	Take remedial action, if needed, to correct and/or promote new practices to collect and handle waste oil. Require all private operators generating waste oil to follow best practices for handling and storage of waste oil to: - Ensure the safety of the environment - Adopt standards required for exportation	OFREG	Energy rating system is introduced and used constantly.	Staff time		2017	2050	
3.4.2.2.C	Maintain and keep under review practices to collect and handle waste oil	OFREG	Practices to collect and handle waste oil are maintained and reviewed as needed.	Staff time		2017	2050	
3.4.2.3.A	Issue guidelines and/or regulations as appropriate to provide information on sustainable waste oil handling and storage, including policies for offences/enforcement	DEH, OFREG	Guidelines and regulations are issued.	Staff time		2017	2050	
3.4.2.3.B	Implement guidelines and/or regulations as appropriate to provide information on sustainable waste oil handling and storage, including policies for offences/enforcement. Update guidelines and/or regulations as needed	DEH, OFREG	Guidelines are implemented and updated as needed.	Staff time		2017	2050	
3.4.2.4	Define a backstop option for waste oil environmental emergencies, to ensure reliable access to collection and disposal systems, if necessary, create a protocol to cooperate with overseas entities in the event of an emergency	DEH, OFREG	A process to deal with waste oil environmental emergencies is adopted and updated as needed.	Staff time		2017	2050	
3.4.2.5	Launch campaign to encourage private operators to collect and export waste oil for off-island recycling and disposal by: Informing them of the benefits of collecting, exporting and recycling waste oil Considering incentives for operators to collect, export and recycle waste oil	DEH, MFED	Campaign is launched. The collection, exportation, and recycling of waste oil increased.	Staff time		2017	2050	
3.4.2.6.A	Assess compliance with international agreements on the export of hazardous waste and environmental, health, and safety standards	DEH, OFREG	Compliance with international agreements is assessed.	Staff time		2017	2050	
3.4.2.6.B	Take remedial actions to ensure compliance with international agreements on the export of hazardous waste and environmental, health, and safety standards	DEH	The exportation of hazardous waste complies with international agreements.	Staff time		2017	2050	
3.4.3.1	Encourage cycling as an alternative mode of transport, where determined to be practical, by: - Considering the introduction of fiscal incentives for the purchase of bicycles - Promoting the inclusion of bike lanes on selected roads likely to be more heavily utilized - Requiring the inclusion of bike lanes in the construction of new roads where appropriate - Considering the development of bike paths in selected areas - Considering incentives for developers who include and implement bike lanes or paths in new developments - Provisioning facilities in selected areas with bike friendly amenities - Explore partnerships with the private sector to promote bicycle usage	Ministry responsible for Transport, MFED	Actions to encourage cycling are carried out, where determined practical. Bicycle use increases.	Staff time		2017	2050	
3.4.3.2	Encourage walking as an alternative mode of transport by: - Identifying key areas for pedestrian development and plan in a manner which optimizes the cost/benefit relationship - Designating pedestrian - only areas where appropriate - Improving and expanding the network of sidewalks and pedestrian crossings, increasing their quantity, quality, and safety - Mandating developers to incorporate walkability in project design	Ministry responsible for Transport, Ministry responsible for Health and Wellness, MFED	Actions to encourage walking are carried out, where determined practical. Walking increases.	Staff time		2017	2050	
<b>TRANSPORTATION STRATEGY</b>								
3.4.4.1.A	Determine the best planning and management technologies, including the: - Provision of real-time traffic information - Use of sensors to regulate traffic lights - Use of multi – function message panels	Ministry responsible for Transport and NRA	Planning and management technologies are determined.	Staff time		2017	2050	
3.4.4.1.B	Deploy traffic planning and management technologies	Ministry responsible for Transport & NRA	Planning and management technologies are employed. Traffic flow improves.	Staff time		2017	2050	
3.4.4.2.A	Identify infrastructure measures, such as new roads, additional lanes and one-way traffic on selected routes and at selected times, and improvements necessary to optimize road travel	Ministry responsible for Transport and NRA	Measures and improvements are identified.	Staff time		2017	2050	

NEP Reference	Strategic Aims and Actions	Lead Person and Entity	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date	Contact Person
3.4.7.1.A (2)	Include commercial centres in each district with the necessary supporting zones for future growth	Ministry responsible for Planning	Commercial centers are built in districts, where necessary.	Staff time		2017	2050	Department of Planning
3.4.7.1.B	Set development/conservation goals for Little Cayman and Cayman Brac	Ministry responsible for Planning	Goals are set.	Staff time		2017	2050	Department of Planning
3.4.7.1.C(1)	Study the feasibility of a Planned Area Development to encourage densification of specific areas and the reduction of commutes	Ministry responsible for Planning	Feasibility of planned area development is determined.	Staff time		2017	2050	Department of Planning
<b>WATER AND WASTEWATER</b>								
3.4.8.1.A	Determine repairs, upgrades, and improvements to the central wastewater collection and treatment system serving the Seven Mile Beach area and other areas as relevant	Ministry responsible for Water	Repairs, upgrades, and improvements needed are determined.	Staff time		2017	2050	
3.4.8.1.B	Repair, upgrade, and improve the central wastewater collection and treatment system serving the Seven Mile Beach area and other areas as relevant	Ministry responsible for water	Wastewater collection and treatment system is repaired, upgraded, and improved.	Staff time		2017	2050	
3.4.8.2	Establish a comprehensive regulatory framework for the beneficial reuse of wastewater treatment products (effluent and bio solids) as a source of irrigation water, soil amendment and biogas generation	OFREG	Regulatory framework is established.	Staff time		2017	2050	
3.4.9.1	Lead an analytical assessment of vulnerability by Tracking the rate of development and the loss of natural habitat Collecting relevant data to calculate of sectoral and per capita GHG emissions	Ministry responsible for Environment	Analytical assessment was carried out. Rate at which resources are lost is calculated and data is collected.	Staff time		2017	2050	
<b>CLIMATE CHANGE AND ENVIRONMENT</b>								
3.4.10.A	Identify and prioritise sectoral long-term strategies to reduce GHG emissions, taking into account the country's economic development and expected growth	Ministry responsible for Environment	Long-term strategies are defined.	Staff time		2017	2050	
3.4.10.B	Create a financial plan to secure the funding for sectoral long-term strategies to reduce GHG emissions	Ministry responsible for Environment	Financial plan is created.	Staff time		2017	2050	
3.4.10.C	Implement strategies to reduce GHG emissions and update as necessary	Ministry responsible for Environment	Strategies are implemented.	Staff time		2017	2050	
3.4.10.D	Monitor emission targets and register data in the UN Climate change secretariat, or other determined authority	Ministry responsible for Environment	Data is registered.	Staff time		2017	2050	
3.4.10.E	Submit annual emissions inventories and national reports	Ministry responsible for Environment	Annual emissions inventories and reports are submitted.	Staff time		2017	2050	
3.4.10.F	Prohibit clear cutting, demucking, filling of land for development use until development is approved and about to commence.	Ministry responsible for Environment		Staff time		2017	2050	
3.4.10.H	Add duty increase to fake-grass and fake-turf as this use is increasing in the islands to the detriment of ecosystems, habitats, water drainage, etc.	Ministry responsible for Environment		Staff time		2017	2050	