



Cayman Islands
Government

Cayman Islands

NATIONAL ENERGY POLICY

2024-2045

IMPLEMENTATION AND MONITORING PLAN

ADOPTED BY CABINET 16 APRIL 2024

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1. Acronyms

CIAA	Cayman Islands Airport Authority
CIDB	Cayman Islands Development Bank
CIG	Cayman Islands Government
CUC	Caribbean Utilities Company
DEH	Department of Environmental Health
DER	Distributed Energy Resources
DVDL	Department of Vehicle and Drivers Licensing
DVES	Department of Vehicle and Equipment Services
EPC	Energy Policy Council
EPIC	Energy Policy Implementation Committee
EVs	Electric Vehicles
GHG	Greenhouse Gas Emissions
Implementation Plan	National Energy Policy Implementation Plan
IRP	Integrated Resource Plan
MOE	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
MTP	Ministry of Tourism and Ports
NEP	National Energy Policy
NRA	National Roads Authority
OfReg	Utility Regulation and Competition Office
T&D	Transmission and Distribution



2. Introduction

The Cayman Islands Government (“CIG”) **adopted the National Energy Policy (“NEP”)** in 2017 which established targets of 70% electric generation from renewable sources by 2037 and total peak greenhouse gases (“GHG”) emissions by 2020 while not exceeding 2014 per capita emissions levels (approximately 12.3 tCO₂e). The NEP also aimed to achieve the aspirational goal of the 2015 Paris Agreement of 4.8 tCO₂e of GHG emissions per capita by 2030. The CIG also developed a **National Energy Policy Implementation Plan (“Implementation Plan”)** in 2017 to identify the actions, responsible parties, timelines, and indicators for the NEP policies. The Implementation Plan outlined a roadmap to ensure that the Cayman Islands energy sector is making tangible progress towards the targets and policy objectives.

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

The first Five-Year Review, completed in 2024, analyzed progress against targets, which, taken with the NEP policy measures and Implementation Plan, identified opportunities for target revision and establishment of sub-targets and new targets for electric vehicles (“EVs”).

The NEP now establishes the following targets:

1. Renewable energy
 - a. 30% renewable energy penetration by 2030,
 - b. 70% renewable energy penetration by 2037; and
 - c. 100% renewable energy penetration by 2045.

This target is in line with targets of peer countries. Global trends in cost declines of renewable energy technologies, including solar and storage, point to the viability of meeting these goals.

2. Electric Vehicles
 - a. Light-duty vehicles new vehicle sales and imports
 - i. 30% of all new sales and imports to come from EVs by 2030, and
 - ii. 100% of all new sales and imports by 2045.
 - b. Heavy-duty new vehicle sales
 - i. 30% of all new sales and imports to come from EVs by 2030, and
 - ii. 100% of new sales and imports by 2045.

Many US states have made commitments to achieve a full transition to zero emissions vehicle sales in all categories by 2040. The NEP recommends a slightly longer timeframe to achieve 100% new EV sales to allow time to implement policies to meet these targets. As such, all new vehicle sales will come from EVs by 2045.

3. Greenhouse gas emissions
 - a. Electricity supply
 - i. 30% emissions reduction over 2019 levels by 2030, and
 - ii. 100% emissions reduction by 2045.
 - b. Ground Transportation
 - i. 35% reduction by 2030,
 - ii. 90% reduction by 2045.



In this context, the NEP and Implementation Plan are updated as of 2024 to reflect the current energy market and policy context.

2.1. Plan Contents

The Implementation Plan provides a breakdown of the actions that the Cayman Islands is undertaking to reach its NEP targets. 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 CIG ministries and private sector and civil society stakeholders,
- Regular meetings with the 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,
- Public Consultation from 24 July 2023 – 31 August 2023,
- Direct emails to key stakeholders, and
- A live virtual town hall meeting on 9 August 2023.
- Additional Comments received from Cayman Islands Government CAUCUS members and Energy Policy Council Members between August 2023 and April 2024.



3. Implementation Plan Priorities (2024-2028)

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 GHG 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 2024-2026 Priorities

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.1.14	<p>Lead a public awareness campaign and Facilitate the development of financial incentives for consumer-sited owned renewable energy systems and equipment, such as:</p> <ul style="list-style-type: none"> - Favourable loan terms and preferential interest rates, grace periods, extended terms, and preferential collateral requirements. - Grants. - Rebates. - Utility and private sector financing, such as on-bill financing (as determined by consultations under 3.3.1.12) 	Ministry responsible for Energy, Ministry responsible for Finance, and Cayman Islands Development Bank ("CIDB")	Financial incentives are developed and offered.
3.3.1.15.A	Explore option to develop a consumer on-bill financing scheme where the utility will redirect agreed payments from solar production under the approved renewable energy programs to third party financiers, subject to approval of the customer.	OfReg, CUC, Island Energy, Ministry responsible for Energy, Bankers Association, and private sector and civil society participants.	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 and Ministry responsible for Planning and Infrastructure	Assistance programs are developed and assigned to an appropriate body for implementation.

Table 3.2 Socioeconomic and Environmental Priorities 2027-2028 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"> - Workshops and/or create resources to raise awareness of professional and educational opportunities. - Scholarships in partnership with the private sector and educational institutions. - Public awareness campaigns about job resources, industry, and academic events. - Consideration for public sponsorship or support of relevant local and regional conferences or professional events, as may be appropriate. - Consideration for public partnership or membership with relevant regional or global organizations, where appropriate to the interests of the Cayman Islands 	Ministry responsible for Education, Ministry responsible for Energy, and 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 2024-2026 Priorities

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.3.7.3	Reduce the duty on EVs to 0% for an additional five years (2024-2028) Explore increasing duties for inefficient vehicles	Ministry responsible for Finance	Duties reduced to 0% for some EVs based on tiered system.
3.3.7.4.A	Assess policies to promote electric vehicle adoption in the Cayman Islands, including needs for EV charging infrastructure, including: <ul style="list-style-type: none"> - 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. - Open access charging protocols. - Fines for vandalism. - EV fire safety standards. - Safety standards for EV siting. - Dedicated electrical conduit runs to CUC and Island Energy transformers for EV chargers at multi-residential and commercial new construction. Import duty relief only for “Smart” EV chargers with internet connectivity for remote management and scheduling of least cost charging.	CUC, Ministry responsible for Energy, Ministry responsible for Transportation, Island Energy and OfReg	Regulatory framework developed.
3.3.7.4.B	Advance planning and permitting processes for EV charging infrastructure to increase efficiency, promote transparency, and decrease costs. In particular: <ul style="list-style-type: none"> - Develop a web-based permitting option for EV chargers. - Review requirements for data logging and new drawings of existing panels. - Inspections of EV charger infrastructure. 	CUC, Ministry responsible for Energy, Ministry responsible for Transportation, Island Energy, and OfReg	Planning and permitting process are improved and more efficient.

Table 3.4 Energy Efficiency and Transportation 2027-2028 Priorities

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
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, and Island Energy, private sector and civil society participants.	Energy efficiency programmes and tariffs are developed.
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.
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	Energy efficiency codes adopted.
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 Planning and Infrastructure, Ministry responsible for Energy, and Ministry responsible for Finance	Incentives are reviewed.

Electricity Generation

Table 3.5 Electricity Generation 2024-2026 Priorities

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
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 and Ministry responsible for Energy	Land suitable for utility-scale renewable energy generation is secured.
3.3.1.11	Establish and disseminate clear guidelines and responsible parties for Integrated Resource Plan ("IRP") process. Consult with the Caribbean Development Bank, World Bank, and/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, OfReg, Island Energy, EPIC and 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.
3.3.1.12.A	Develop and advise on policies to expand access to consumer-sited renewable energy, by: <ul style="list-style-type: none"> - Determining rules and regulations for grid-connected microgrids at critical facilities (hospitals, schools, etc.), community solar projects, VPP's, Agrivoltaics and programmes for non-homeowners (condos, apartments). - Updating feed-in-tariff rates informed by the Value of Renewable Energy Study - Establishing a regular cadence for value of renewable energy studies and defining its role in rate-setting considerations. - Reviewing suitable cost-recovery mechanisms for T&D upgrade costs. - Developing programmes to incentivize customers to export stored renewable energy during peak hours. - Explore option to develop and implement an on-bill financing program. - Developing a "CORE+" programme for agriculture + larger DER solar systems under 5MWs. - Promote the customer-self consumption right and create processes to streamline its uptake. - Create policies and standards to allow for zero export solar + storage systems. - 	OfReg, Ministry responsible for Energy, CUC, EPIC Island Energy, private sector, and civil society participants	Working group established; periodic meetings held; consensus reached on rules and regulations.
3.3.1.12.B	Encourage the adoption of microgrids, community solar, VPP's, Agrivoltaics, , solar and other renewable energy sources for non-homeowners through: <ul style="list-style-type: none"> - Regulatory programmes - Public awareness campaigns. - Development of licensing and competitive framework where relevant - Engagement with the private sector and consumers on rules and regulations. - Development of educational resources. - Explore option to develop on-bill financing accessible to all or priority consumers. 	Ministry responsible for Energy, Ministry responsible for Education, Ministry responsible for Health & Wellness, and CUC, Islands Energy, EPIC	Number of institutions, companies, or persons reached. Regulatory approved programmes developed (as relevant).
3.4.1.1.B	Solicit and approve utility-scale renewable energy projects that include storage and dispatchable capability to support the grid where appropriate.	OfReg	MW installed.



Table 3.6 Electricity Generation 2027-2028 Priorities

NEP Reference	Strategic Aims and Actions	Responsible Parties	Indicators
3.2.1.1.B	<p>Develop guidelines on the framework for interface of innovative, new or developing technologies with the electric utilities systems, including:</p> <ol style="list-style-type: none"> 1. Approval processes. 2. Sources of funding to promote/facilitate innovation to assure developers and Cayman electric utilities reasonable opportunities for safely testing and commercializing such facilities. 3. Responsible parties for promoting or facilitating innovation and attracting investment. 	OfReg, CUC, Island Energy, Ministry responsible for Energy, and Ministry responsible for innovation, Investment, and Social Development, and private sector and civil society participants	Innovative projects identified and supported.
3.2.1.3.A	<p>Develop a strategic plan outlining the feasibility, benefits, and drawbacks, if any, of government control and local pension investments in utility scale renewable energy infrastructure, considering:</p> <ul style="list-style-type: none"> - The risks of any project. - The technology, prioritizing projects employing technologies proven to be both technically and commercially feasible. - Fiscal responsibility management <p>Consider government-funded utility performance-based incentives for renewable energy generation.</p>	Ministry responsible for Energy, Ministry responsible for Planning and Infrastructure, Ministry responsible for Finance, OfReg,	One working group established; regular meetings held; viability of government majority ownership of renewable energy assets determined.
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, Island Energy, Ministry responsible for Planning and Infrastructure, and private sector and civil society participant	Public awareness campaign developed and launched.
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 2024-2028.</p>	Ministry responsible for Energy and Ministry responsible for Finance	Duties are reviewed.
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.	Ministry responsible for Energy, CUC, OfReg, and Island Energy, private sector participants	Studies on energy storage completed and presented to key stakeholders.



4. Monitoring

The Ministry responsible for Energy will assume chairpersonship of the Energy Policy Implementation Committee. 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
3.3.2.2.E (3)	For tracking purposes, share relevant data on implementation of utility energy efficiency programmes, including load reduction estimates.	OfReg, CUC, Island Energy, and Ministry responsible for Energy, EPIC	Energy efficiency data is shared and monitored.
3.3.7.4.C	For tracking purposes, provide MSCR with data on: <ul style="list-style-type: none"> – Vehicle imports, registrations, installed charging infrastructure, and plans for public fleet electrification. – All vehicle imports. – Installed charging infrastructure. – Plans for public fleet electrification. – Light/heavy duty (by registration class and weight). – EVs, plug-in hybrids, and non-conventional fuel vehicles. 	Ministry responsible for Energy, Ministry responsible for Transportation, CUC, Island Energy, and Department of Vehicles and Drivers Licensing (“DVDL”)	Vehicle data is shared and monitored.
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, as well as data on Government facility retrofits on any as-requested basis.	Ministry responsible for Planning and Infrastructure, Ministry responsible for Energy, and Ministry responsible for Finance, private sector participants	Energy efficient data shared and monitored.
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"> – Electricity generation and storage planning, including MW capacity and estimated timelines – Diesel generation retirements. – Historic electricity load and projected growth. 	Ministry responsible for Energy, CUC, Island Energy, and OfReg	Electricity generation 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	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
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"> Energy-efficient lighting, such as LED light bulbs. Small-scale sensor networks. Energy monitors or smart meters. Culture of “switch off when done”. 	Ministry responsible for Energy and Utility Providers	Energy efficiency campaigns are launched.	TBD (use as much free media as possible)	In Progress	2017	2045
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 and 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	2045
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"> Building Code amendments. Government initiatives, including the National Energy Policy and Implementation Plan. 	Ministry responsible for Energy, and 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	2045
3.1.1.3.A	Reinforce energy labeling for: <ul style="list-style-type: none"> Energy-consuming household appliances. Energy-consuming office equipment. 	Ministry responsible for Energy and Sellers	Standards are set and labeling for household appliances and office equipment is mandated.	TBD	In Progress	2017	2045
3.1.1.3.B	Implement, monitor, and update energy labeling for: <ul style="list-style-type: none"> Energy-consuming household appliances. Energy-consuming office equipment. 	Ministry responsible for Energy and Sellers	Increase in energy labeling by household appliances and office equipment sellers.	TBD	Not Yet Started	2024	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
3.1.1.4	Publicise economy-wide energy efficiency and conservation initiatives.	Ministry responsible for Energy	Energy efficiency and conservation initiatives are publicized.	TBD	Ongoing	2017	2045
FUEL STRATEGY							
3.1.2.1.A	Publish information on fuel safety and the environmental risk of improper handling, storage, and disposal of waste fuel and related products after: <ul style="list-style-type: none"> - 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. - Developing a pollution prevention guide for safe handling, storage, and disposal of waste fuel and related products for commercial and industrial segments. - Developing a pollution prevention guide for safe handling, storage, and disposal of waste fuel and related products for residential segments. 	Department of Environmental Health ("DEH"), Ministry responsible for ReGen Project, and OfReg	Pollution prevention guide for commercial, industrial, and residential segments is published.	TBD	Not Yet Started	2024	2045
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, and OfReg	Guides are distributed and updated.	TBD	Not Yet Started	2025	2045
TRANSPORTATION STRATEGY							
3.1.3.1.A	Develop and roll out public awareness programme that provides information about energy-efficient commuting options, such as: <ul style="list-style-type: none"> - Carpooling. - The public transit system. 	Ministry responsible for Transportation	Public awareness programme about energy-efficient commuting options is launched.	TBD (use free media as much as possible)	Ongoing	2017	2045
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.	TBD	Ongoing	2017	2045
3.1.3.2.A	Develop and roll out public awareness programme that conveys bicycle safety by: <ul style="list-style-type: none"> - Developing a bicycle safety guide. - Mandating bicycle sellers provide bicycle safety guides to bicycle buyers. - Using web media to convey bicycle safety tips. 	Ministry responsible for Transportation	Public awareness programme about bicycle safety is launched. Bicycle safety practices increase.	TBD	In Progress	2017	2045
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	2024	2045
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	2024	2045
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	2025	2045
3.1.4.1.A	Provide public information on vehicle fuel efficiencies by: <ul style="list-style-type: none"> - Labeling fuel-efficient vehicles. - Creating an annual fuel consumption guide in collaboration with vehicle manufacturers to provide model-specific consumption information. 	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	2025	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, Department of Vehicle and Equipment Services ("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	2045
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 and necessary private charging infrastructure.	Ministry responsible for Energy	Public awareness campaign is developed and launched.		Ongoing	2024	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
TRANSPORTATION STRATEGY							
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 and necessary private charging infrastructure.	Ministry responsible for Energy	Number of institutions, companies, or persons reached.	TBD	Not Yet Started	2024	2045
LAND USE AND BUILDINGS STRATEGY							
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"> - The benefits of mixed-use development and denser zoning in appropriate locations. - Efficient building design and landscaping and passive design and green infrastructure. 	Department of Planning	Public awareness programmes are developed and launched.	TBD (use free media as much as possible)	In Progress	2017	2045
3.1.5.1-2.B	Implement, monitor, and update public awareness programme to convey: <ul style="list-style-type: none"> - The benefits of mixed-use development and denser zoning in appropriate locations. - Efficient building design and landscaping and passive design green infrastructure and green infrastructure. 	Department of Planning	Public awareness plan is implemented, monitored, and updated. Number of persons reached.	Staff time	In Progress	2018	2045
3.1.5.3	Promote development of live, work and play communities supporting non-monetized transportation and more sustainable land use.	Department of Planning	Increase in demand for live, work, and play communities.	TBD (use free media as much as possible)	In Progress	2017	2027
WATER AND WASTEWATER STRATEGY							
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.	TBD	Not Yet Started	2025	2045
PUBLIC AWARENESS STRATEGY							
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.	TBD	Ongoing	2017	2045
3.1.7.2	Lead public outreach events.	Ministry responsible for Energy , Utilities and Regulator	Outreach events that elicit public interest are organized.	TBD	Ongoing	2017	2045
CLIMATE CHANGE AND ENVIRONMENT STRATEGY							
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	2024	2045
3.1.8.2	Support public education activities associated with the Climate Change Policy as they relate 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.	TBD	Not Yet Started	2024	2045

6. Strategies and Actions Supporting Goal 2

This section lists sector-specific actions related to the Cayman Islands demonstrating leadership and pursuing strategic partnerships in the development and implementation of innovative sustainable energy opportunities for 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	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
GOAL 2							
ELECTRICITY STRATEGY							
3.2.1.1.A	Provide the regulator with the authority to determine, approve and facilitate appropriate and prudent mechanisms to attract investors and assure their confidence in the development of innovative technologies in the Cayman Islands. Given the unique and often proprietary nature of innovation projects, standard solicitation or approval processes may not be appropriate.	OfReg, CUC, Island Energy, Ministry responsible for Energy, Ministry responsible for Innovation, Investment, and Social Development, and private sector and civil society participants	The regulator has the authority to determine the mechanisms to attract private investors and approve innovation projects outside normal solicitation processes, as may be appropriate	TBD	Legal amendments required		
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"> Approval processes. Sources of funding to promote/facilitate innovation to assure developers and Cayman electric utilities reasonable opportunities for safely testing and commercializing such facilities. Responsible parties for promoting or facilitating innovation and attracting investment. 	OfReg, CUC, Island Energy, Ministry responsible for Energy, Ministry responsible for Innovation, Investment, and Social Development, and private sector and civil society participants	Working committee established. Guidelines are developed.	Staff time	Not Yet Started	2024	2045
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 responsible for Investment, Innovation, and Social Development, and Ministry responsible for Energy, private sector and civil society participants	Guidelines are issued.	Staff time	Not Yet Started	2024	2045
3.2.1.1.D	Implement and keep under review guidelines on the framework for interface of new or developing technologies.	OfReg and Ministry responsible for Energy	Guidelines are implemented and updated as needed.	Staff time	Not Started	2024	2045
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	Not Yet Started	2024	2045
3.2.1.3.A	Develop a strategic plan regarding the feasibility, benefits, and drawbacks, if any, of government control and ownership of renewable energy assets, including potential for local pension fund investments, considering: <ul style="list-style-type: none"> The risks of any project. The technology, prioritizing projects employing technologies proven to be both technically and commercially feasible 	Ministry responsible for Education, Ministry responsible for Finance, Ministry responsible for Planning and Infrastructure,	One working group established; regular meetings held; viability of government majority ownership of renewable energy assets determined.	Staff time	In Progress	2022	2045

	<ul style="list-style-type: none"> - Fiscal responsibility management <p>Consider government-funded utility performance-based incentives for renewable energy generation.</p>						
NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
3.2.1.3.B	If viable, involve the government in renewable energy procurement processes	OfReg	Government participates in renewable energy in auction process.	Staff Time	Not Yet Started	2024	2045
3.2.2.1.A.	<p>Introduce sustainable and renewable energy related disciplines into the curricula at secondary, tertiary and vocational education levels by :</p> <ul style="list-style-type: none"> - Leading a gap analysis for curricula at secondary, and tertiary education entities on renewable energy related topics. - Updating the curricula based on the results of the gap analysis. - Testing updated curricula in workshops for primary, secondary, and tertiary level education - Updating and/or building, as needed, facilities and laboratories to teach the new curricula. 	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	2045
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	2045
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	2045
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	2045
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, Ministry responsible for Planning & Infrastructure, Ministry responsible for Energy	Information on certifications is published.	Staff time and materials	Not Yet Started	2024	2045
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, Ministry Responsible for Planning & Infrastructure	Licensing requirements are reviewed.	Staff time	In Progress	2017	2045
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	2045
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"> - Hold workshops and/or create resources to raise awareness of professional and educational opportunities. - Establishing scholarships in partnership with the private sector and educational institutions. - Raising awareness about job resources, industry, and academic events. - Consideration for public sponsorship or support of relevant local and 	Ministry responsible for Education, Ministry responsible for Energy, and Ministry responsible for of Social Development and Innovation	Working group(s) established; Regular meetings held; Opportunities identified.	Staff time	Not Yet Started	2024	2045

	<p>regional conferences or professional events, as may be appropriate.</p> <ul style="list-style-type: none"> - Consideration for public partnership or membership with relevant regional or global organizations, where appropriate to the interests of the Cayman Islands 						
NEP REFERENCE	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
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 and Ministry responsible for Social Development and Innovation	Initiatives are implemented.	TBD	Not Yet Started	2024	2045
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.	TBD	Not Yet Started	2024	2045
3.2.4	Develop and implement the regulatory frameworks to ensure continuous review and implementation of viable and innovative renewable energy technologies facilitating continual policy alignment to enable the adoption of these technologies when feasible.	OFREG	Regulatory Frameworks are implemented	Staff Time	Not Yet Started	2024	2045
3.2.5	Host energy research events. Consideration for public sponsorship or support of relevant local and regional conferences or professional events, as may be appropriate	Ministry responsible for Energy and OfReg	Energy-related events are organized.	TBD	Ongoing	2017	2045
3.2.5.1	Create a resource information system to: <ul style="list-style-type: none"> - Track best practices in energy research. - Highlight the Cayman Islands' research on sustainable energy opportunities. 	Ministry responsible for Energy	Resource information system is created.	TBD	Not Yet Started	2024	2045
3.2.5.2	Update resource information system to track best practices in energy research.	Ministry responsible for Energy	Resource information system is updated.	TBD	Not Yet Started	2024	2045
LAND USE AND BUILDINGS STRATEGY							
3.2.6.1	Facilitate the transition of a technology (for example residential fuel cells) from innovative status to production and application by making appropriate changes to planning rules and regulations by: <ul style="list-style-type: none"> - Ensuring that the technology having an innovative status is safe for the environment and the people of the Cayman Islands. - Considering the economic and commercial benefits of changing the status of the experimental technology. - Making the appropriate changes to planning rules and regulations to change status of experimental technology. 	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	2045
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 and Ministry responsible for Energy	Land suitable for utility-scale renewable energy generation is secured.	TBD	In Progress	2017	2045

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 transitional fuels in the mix of fuels used for electricity generation.
- 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	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
GOAL 3							
ELECTRICITY STRATEGY							
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.	Ministry responsible for Energy, CUC, Island Energy, Ministry responsible for Planning and Infrastructure, and private sector and civil society participant	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	2045
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.	Ministry responsible for Energy, CUC, Island Energy, Ministry responsible for Planning and Infrastructure, and private sector and civil society participant	Public awareness campaign is developed.	TBD	Ongoing	2017	2045
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.	Ministry responsible for Energy	Public awareness campaign is launched.	TBD	Ongoing	2017	2045
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	Ongoing	2017	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
3.3.1.3	Ensure fair and transparent competition for procuring utility-scale sustainable generation with the aim to foster fair competition, encourage diverse business participation, and energy affordability. Utilities may compete in utility scale renewable energy solicitation, defined as systems 5 megawatts (MW) and greater. Utilities cannot compete and leverage monopoly advantaged in distributed generation or consumer financing, thus ensuring fair competition in the market per ESR law.	OfReg	Utility-scale sustainable generation is procured in a competitive and transparent way.	Staff time	Completed	2017	2045
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	2045
3.3.1.5	Set all rates, tariffs and commercial interests for utilities via their relevant licenses, the ESR and URC laws and National Energy Policy.	OfReg	Regulator sets rates, tariffs, and commercial interests according to their licenses, law and policy.	Staff time	Completed	2017	2045
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	Ongoing	2017	2045
3.3.1.7.A	Require licensed utilities to purchase 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 renewable 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 and align with government policy.	OfReg	Regulator issues and implements requirements for licensed utilities to purchase renewable energy from a third party when the cost is below the utility's avoided cost.	Staff time	Ongoing	2017	2045
3.3.1.7.B	Determine the price to be paid for renewable energy informed by the value of renewable energy study and in line with government policy.	OfReg	Regulator determines price to be paid for renewable energy informed by the value of solar study and/or future value of renewable energy studies	Staff time	Ongoing	2017	2045
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 DER and explore methods to promote its uptake in disadvantaged communities.	OfReg, CUC, Island Energy, and Ministry responsible for Energy, EPIC	Penetration of utility-scale and distributed renewable energy generation on the grid increases. DER capacity allocated to consumer-sited renewable energy programmes. DER capacity promoted and allocated to low-income households and affordable homes.	Staff time	Ongoing	2017	2045
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"> - 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. - Government produces estimates on building efficiency nationally by building type. - Government reports annually on rooftop area and location by building type. Government reports annually on parcel area and location available for renewable energy development. - Consumers are appropriately rewarded for reducing their load on the T&D system as per section 9(5)(i) of the ESR law. 	OfReg	Tariffs, and methodology used to calculate tariffs, determined and published.	Staff time	Ongoing	2017	2045

3.3.1.9	Facilitate sub-metering in multi-occupancy buildings consistent with electricity laws and/or utility licenses.	OfReg, CUC, and Island Energy, private sector participants	Utilities adopt processes for sub-metering in multi-occupancy buildings.	Staff time	Completed	2017	2045
NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
3.3.1.10	Require utilities to plan their electric systems to optimally meet system requirements including: Utility and distributed sustainable and renewable generation.	OfReg and CUC	Regulator issues regulations for regular integrated resource plans.	Staff time	Ongoing	2017	2045
3.3.1.11	Conduct IRP process in consultation with government, utility, and designated consultants. Establish and disseminate clear guidelines and responsible parties for IRP process. Consult with the Caribbean Development Bank, World Bank, IDB, and/or other entities to identify opportunities 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.	OfReg, Ministry responsible for Energy, CUC, Island Energy, EPIC	Guidelines for IRP processes and responsible parties are disseminated. Opportunities for further government oversight of IRP process are considered. Cost/benefits of reducing time interval of IRP determined	TBD	Not Yet Started	2024	2045
3.3.1.12.A	Develop and advise on policies to expand access to consumer-sited to renewable energy, by: <ul style="list-style-type: none"> - Determining rules and regulations for grid-connected microgrids at critical facilities (hospitals, schools, etc.), community solar projects,VPP's, Agrivoltaics and programmes for non-homeowners (condos, apartments). - Updating feed-in-tariff rates informed by the Value of Renewable Energy Study - Establishing a regular cadence for value of renewable energy studies and defining its role in rate-setting considerations. - Reviewing suitable cost-recovery mechanisms for T&D upgrade costs. - Developing programmes to incentivize customers to export stored renewable energy during peak hours. - Explore option to develop and implement an on-bill financing program. - Developing a "CORE+" programme for agriculture + larger DER solar systems under 5MWs. - Promote the customer-self consumption right and create processes to streamline its uptake. - Develop policies and standards to allow for zero export solar + storage systems. 	OfReg, CUC, Island Energy, Ministry with responsibility for Energy, private sector, and civil society participants,	Policies and processes are developed.	TBD	Not Yet Started	2024	2045
3.3.1.12.B	Encourage the adoption of microgrids, community solar,VPP's, Agrivoltaics, , solar and other renewable energy sources for non-homeowners through: <ul style="list-style-type: none"> - Regulatory Programmes - Public awareness campaigns. - Development of a licensing and competitive framework where relevant. - Engagement with the private sector and consumers. - Development of educational resources. - Explore option to develop an on-bill financing program that is accessible to all or priority consumers. 	Ministry responsible for Energy, Ministry responsible for Education, Ministry responsible for Health & Wellness, CUC, Island Energy, private sector and civil society participants and EPIC	Regulatory approved programmes developed (as relevant).	TBD	Not Yet Started	2024	2045
3.3.1.12.C	Implement, monitor, and update as needed, grid-connected consumer-sited renewable energy programmes.	OfReg	Consumer-sited renewable energy programmes are implemented.	Staff time	In Progress	2017	2045
3.3.1.12.G	Promote the customer-self consumption right and create processes, procedures and standards for effective CSC uptake. Such efforts should ensure the continued safety and reliability of the electric grid.	OfReg, CUC, Island Energy, Ministry responsible for Energy	Licensees are engaged	Staff time	Not Yet Started	2024	2045

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 2024-2028.	Ministry responsible for Finance, Ministry responsible for Border Control, and Ministry responsible for Energy	Import duty regime is reviewed every five years.	Staff time	Ongoing	2017	2045
NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRCITY STRATEGY							
3.3.1.14	Lead a public awareness campaign and facilitate the development of financial incentives for consumer-sited renewable energy systems and equipment, such as: <ul style="list-style-type: none"> - Favorable loan terms and preferential interest rates, grace periods, extended terms, and preferential collateral requirements. - Grants. - Rebates. - Utility and private sector financing, such as on-bill financing (as determined by consultations under 3.3.1.12. 	Ministry responsible for Energy and Ministry responsible for Finance	Public awareness campaigns on consumer-sited renewable energy financing are developed. Opportunities for financial incentives for consumer-sited renewable energy systems are assessed.	Staff time and resources	Not Yet Started	2024	2045
3.3.1.15.A	<i>Explore option to develop a consumer on-bill financing scheme where the utility will redirect agreed payments from solar production under the approved renewable energy programs to third party financiers, subject to approval of the customer.</i>	OfReg, CUC, Island Energy, Ministry responsible for Energy, Bankers Association, and private sector and civil society participants.	Policies are explored.	TBD	Not Yet Started	2024	2045
3.3.1.15.B	If feasible, implement policies for utility providing 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 and Ministry responsible for Energy	Policies are implemented.	TBD	Not Yet Started	2024	2045
3.3.1.16	Improve the planning and permitting processes for renewable energy development by: <ul style="list-style-type: none"> - Establishing standardized planning and permitting requirements and processes through BCU for each renewable energy technology. - Reviewing strata development rules to provide for the installation of distributed solar systems (PV and solar water heaters). - 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. - 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. - Periodically reviewing planning and permitting requirements and other regulations and revise when necessary. - Developing a clearly defined procedure under which planning can consider and if appropriate approve non-standard systems. 	Ministry responsible for Planning and OfReg, private sector participants	Planning and permitting process are improved and more efficient.	Staff time	In Progress	2017	2045
3.3.1.17.A	Review the airport exclusion zone requirements and restrictions.	Ministry responsible for Planning and Infrastructure, Cayman Islands Airport Authority ("CIAA"). EPIC	Airport exclusion zone requirements and restrictions are reviewed. Opportunities for wind energy determined.	Staff time	In Progress	2017	2045
3.3.1.17.B	Revise the airport exclusion zone requirements and restrictions, if necessary.	Ministry responsible for Planning and Infrastructure and CIAA	Airport exclusion zone requirements and restrictions are revised, if necessary.	Staff time	In Progress	2017	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
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	2045
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.	Ministry responsible for Energy, CUC, OfReg, and Island Energy, private sector participants	Independent studies are completed every 5 number of years.	TBD	Ongoing	2023	2045
3.3.1.19.B	Approve and implement viable energy storage projects.	OfReg	Storage systems are operational.	TBD	Ongoing	2023	2045
3.3.1.19.C	Explore opportunities for incentives for distributed energy storage systems by: - Considering government rebates on storage technology. - Promoting access to financing. - Considering the role of OfReg's Innovation Support Fund.	OfReg, CUC, and Island Energy, EPIC	Opportunities for distributed energy storage incentives assessed.	TBD	Not Yet Started	2024	2045
3.3.2.1	Ensure that investments in electricity infrastructure are supported by rigorous analysis on a basis of sound planning procedures such that electricity generation solutions are timely, economic, and reliable, and that transmission, distribution and supply infrastructure are maintained to reliably meet electricity demand. Require competition in the procurement of generating capacity.	OfReg	Procedures are established	TBD	Not Yet Started	2024	2045
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, and private sector and civil society participants	Energy efficiency programmes and tariffs are developed.	TBD	In Progress	2017	2045
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, and private sector and civil society participants	Energy efficiency programmes and tariffs are implemented.	TBD	Not Yet Started	2024	2045
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 , and Ministry responsible for Energy	Energy efficiency data is shared and tracked.	TBD	Ongoing	2017	2045
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, CUC, Island Energy	Time-of-use tariffs are implemented.		Not Yet started	2024	2045
3.3.2.3	Implement advanced metering and smart grid technologies to optimize sustainable and renewable electricity generation and consumption by customers.	CUC and Island Energy	Advanced metering and smart grid technologies are used when economically viable.	TBD	Ongoing	2017	2045
3.3.3.A	Lead environmental site assessments to identify brownfields sites that are suitable for renewable energy facilities.	Ministry responsible for Energy and Ministry responsible for Planning and Infrastructure	Suitable brownfields are identified.	Staff time	Completed	2017	2045
3.3.3.B	Promote suitable areas for renewable energy projects.	Ministry responsible for Energy and Ministry responsible for Planning and Infrastructure	Suitable brownfields are promoted for projects.	TBD	Not Yet Started	2024	2027
3.3.3.C	Ensure a non-hazardous revitalization of brownfields.	Ministry responsible for Energy, Ministry responsible for Planning and Infrastructure and Ministry responsible for Health and Wellness	Suitable brownfields are revitalized.	TBD	Not Yet Started	2024	2027

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
FUEL STRATEGY							
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	Ongoing	2017	2045
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	2045
3.3.5.1	Determine the viability, feasibility and safety of natural gas (imported as liquefied natural gas (LNG) or compressed natural gas (CNG) as a transitional power generation option. If feasible, viable and safe, introduce natural gas for power generation	OfReg	Initial Independent study has been completed	Staff time	Not yet Started	2024	2045
3.3.6.1	Develop policies and implement the legal and regulatory framework to secure: <ul style="list-style-type: none"> - A fair and competitive market for the importation of fuels into the Cayman Islands. - A fair and competitive market in the marketing and retailing of fuel products. - The adoption of equipment technology advances and support for fuel types and specifications appropriate. - The ongoing review and implementation of policies that foster affordable fuel prices. - 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. - Industry test standards for all fuels used in the Cayman Islands. - That fuel suppliers comply with established international environmental, health, and safety regulatory standards for quality control. 	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	Ongoing	2017	2045
TRANSPORTATION STRATEGY							
3.3.7.1	Encourage the use of low emission, fuel efficient, electric and hybrid vehicles in the Cayman Islands by: <ul style="list-style-type: none"> - 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	2045
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	2045
3.3.7.3	Complete a review of duties and incentives to promote electric vehicles electric vehicle adoption. Reduce the duty on EVs to 0% for an additional five years (2023-2027). Explore increasing duties for inefficient vehicles.	Ministry responsible and Finance and Ministry responsible for Energy	Duties on EVs reduced to 0% from 2024-2028. Duties on inefficient vehicles increased.	TBD	Ongoing	2017	2045
3.3.7.4.A	Assess policies to promote electric vehicle adoption in the Cayman Islands, including needs for EV charging infrastructure, including: <ul style="list-style-type: none"> - 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. - Open access charging protocols. - Fines for vandalism. - EV fire safety standards. - Safety standards for EV siting. - Dedicated electrical conduit runs to CUC and Island Energy transformers for EV chargers at multi-residential and commercial new construction. - Import duty relief only for “Smart” EV chargers with internet connectivity for remote management and scheduling of least cost charging. 	CUC, Island Energy, Ministry responsible for Transportation, Ministry responsible for Energy, Ministry responsible for Planning and Infrastructure, Cayman Islands Fire Service, and OfReg	Policies are assessed.	TBD	Not Yet Started	2024	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY STRATEGY							
3.3.7.4.B	Advance planning and permitting processes for EV charging infrastructure to increase efficiency, promote transparency, and decrease costs. In particular: <ul style="list-style-type: none"> - Develop a web-based permitting option for EV chargers. - Review requirements for data logging and new drawings of existing panels. - Inspections of EV charger infrastructure. 	CUC, Island Energy, Ministry responsible for Transportation, Ministry responsible for Energy, and Ministry responsible for Planning	Planning and permitting process are improved and more efficient.	TBD	Not Yet Started	2024	2045
3.3.7.4.C	For tracking purposes, provide MSCR with data on: <ul style="list-style-type: none"> - Vehicle imports, registrations, installed charging infrastructure, and plans for public fleet electrification. - All vehicle imports. - Installed charging infrastructure. - Plans for public fleet electrification. - Light/medium/heavy duty (by registration class and weight). - EVs, plug-in hybrids, and non-conventional fuel vehicles. 	Ministry responsible for Energy, Ministry responsible for Transportation, CUC, Island Energy, and Department of Vehicles and Drivers Licensing ("DVDL")	Vehicle data is shared and tracked.	TBD	Ongoing	2023	2045
3.3.7.4.D	Implement policies to promote electric vehicle adopted in the Cayman Islands.	Ministry responsible or Energy and Ministry responsible for Transportation	Policies are implemented. Number of chargers deployed, including those located in Disadvantaged communities.	TBD	Not Yet Started	2024	2045
LAND USE & BUILDINGS							
3.3.8.1.A	Determine amendments needed to the Building Code to mandate energy efficiency in: <ul style="list-style-type: none"> - Lighting, by defining a minimum standard for lighting efficiency based on space type. - 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. - Equipment, by setting minimum standards for electrical, thermal and mechanical devices in cooling and ventilation, relative to property size. - Incentives for smart electric panels capable of load control and energy monitoring 	Ministry responsible for Planning and Infrastructure	Amendments needed are determined.	Staff time	In Progress	2017	2045
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
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	2045
3.3.8.2	Adopt regional and international codes, where appropriate including CARICOM Reginal 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	2045
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
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
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
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	Not Yet Started	2024	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
LAND USE AND BUILDINGS STRATEGY							
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, and Ministry responsible for Finance	Incentives are determined.	Staff time	Ongoing	2017	2045
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, Ministry responsible for Energy, and Ministry responsible for Finance.	Increase in energy efficient appliances, devices, and sustainable building materials.	Staff time	Ongoing	2017	2045
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 as well as data on Government facility retrofits on any as-requested basis.on any as-requested basis.	Ministry responsible for Planning and Infrastructure, Ministry responsible for Energy, and Ministry responsible for Finance	Energy efficient data shared and tracked.	Staff time	Ongoing	2023	2045
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	Ongoing	2017	2045
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	Ongoing	2017	2045
3.3.9.1.A	Develop programmes 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	Ongoing	2017	2045
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	In Progress	2023	2045
3.3.9.2	Develop programmes 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	2045
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	2025	2045
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	2025	2045
3.3.10.1	Implement a legal and regulatory framework for timely reservation of land, sea or air resources by: - Categorizing and listing land suitable for future electricity production. - Establishing a process to reserve land not suitable for electricity productions and storage. - Identify and avoid areas deemed vulnerable to climate hazards.	OfReg, Ministry responsible for Energy, and Ministry responsible for Planning,	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	2024	2045
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: - Lighting. - Appliances.	Ministry responsible for Energy	Residential and commercial users are aware of the multiple application uses of renewable energy sources.	TBD	Not Yet Started	2024	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 and Ministry responsible for Energy	Incentives are identified.	Staff time	In Progress	2017	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
LAND USE AND BUILDINGS STRATEGY							
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, and Ministry responsible for Innovation	Incentives are in place to encourage renewable energy in public spaces.	Staff time	In Progress	2018	2045
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
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	In Progress	2023	2045
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	Not Yet Started	2024	2045
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.	Staff time	In progress	2023	2045
3.3.12.2.B	Implement physical and cybersecurity standards and needs for electricity infrastructure and data management.	OfReg, CUC and Island Energy	Physical and cybersecurity standards are implemented.	TBD	Not Yet Started	2024	2045
WATER AND WASTEWATER STRATEGY							
3.3.13.1	Ensure that the regulatory framework: <ul style="list-style-type: none"> - Encourages efficient investment in water infrastructure. - Encourages continuous improvement in energy efficiencies of plant. - Encourages investments in renewable energy generation where feasible as an alternative or complementary to the public electricity supply system or onsite diesel generation. - Allows recovery of investments approved by a regulator in water efficiency interventions on customer premises. - Establishes targets for reductions in non-revenue water. - Supports a regime of cost reflective tariffs allowing the recovery of efficient investments in water infrastructure. - Allows for consumer/customer-sited reverse osmosis (or similar technology) using renewable energy 	OfReg and 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	2024	2045
3.3.13.2.A	Assess water conservation practices.	Ministry responsible for Water	Water conservation practices assessed.	Staff time	Not Yet Started	2024	2045
3.3.13.2.B	Take remedial actions to promote water conservation practices that reduce demand for potable water for non-potable use, by: <ul style="list-style-type: none"> - 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	Not Yet Started	2024	2045
3.3.13.3	Take remedial actions to promote water conservation practices through the adoption of appropriate standards and fiscal measures.	OfReg and Ministry responsible for Water	Regulations and fiscal measures encourage water conservation.	Staff time	Not Yet Started	2024	2045
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	Not Yet Started	2024	2045
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	Not Yet Started	2024	2045
3.3.13.5.A	Create an energy rating system administered to assess the efficiency of onsite wastewater treatment systems.	OfReg, DEH, Ministry responsible for Water	Energy rating system is introduced and used constantly.	Staff time	Not Yet Started	2024	2045
3.3.13.5.B	Introduce energy rating system administered to assess the efficiency of onsite wastewater treatment systems.	OfReg, DEH, Ministry responsible for Water	Energy rating system is introduced and used constantly.	Staff time	Not Yet Started	2024	2045

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.

Table 8.1: Actions Supporting Goal 4

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
GOAL 4							
ELECTRICITY							
3.4.1.1.A	The Government shall ensure a renewable energy transition plan focused on the protection of 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, and Island Energy	Request for quotations/proposals released. Integrated resource plans developed.	TBD	Ongoing	2023	2045
3.4.1.1.B	Solicit and approve utility-scale renewable energy projects that include storage and dispatchable capability to support the grid where appropriate.	OfReg	Tenders awarded.	TBD	Ongoing	2023	2045
3.4.1.1.C	Prioritise the protection of choice of Cayman’s consumers when structuring the renewable energy transition by: <ul style="list-style-type: none"> - 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, and CUC, Island Energy, EPIC	Consumers receive accurate and timely information that allows them to make the appropriate decisions and constructively participate in public consultation processes.	Staff time	Ongoing	2017	2045
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"> – Electricity generation and storage planning. including MW capacity and estimated timelines – Diesel generation retirements. – Historic electricity load and projected growth. 	Ministry responsible for Energy, CUC, Island Energy, and OfReg, EPIC	Data is provided on an as-requested basis.	Staff time	Ongoing	2023	2045

3.4.1.2.A	Design policies to promote equitable access to distributed generation programs through: <ul style="list-style-type: none"> - 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 (including on-bill financing). - Renewable Programs designed to enable disadvantaged communities to participate in distributed generation programs such as community solar. 	OfReg, CUC, Island Energy, and Ministry responsible for Energy, EPIC	Policies for distributed generation assessed. Working groups held.	Staff time	In Progress	2023	2045
NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
ELECTRICITY							
3.4.1.2.B	Implement policies to promote equitable access to distributed generation programs through: <ul style="list-style-type: none"> - 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, and Ministry responsible for Energy, EPIC	Policies for distributed generation are implemented.	Staff time	Not Yet Started	2024	20452045
3.4.1.3	Assess potential for distributed solar and storage at critical public facilities such as hospitals, schools, and water infrastructure.	Ministry responsible for Infrastructure	Potential for distributed solar and storage at critical facilities is assessed.	TBD	Not Yet Started	2024	20452045
3.4.1.4	Maintain and keep under review practices to safely dispose of end-of-life solar and energy storage systems.	Ministry responsible for Environmental Health	Practices to safely dispose of end-of-lie solar and energy storage systems are reviewed.	TBD	Not Yet Started	2024	20452045
FUEL STRATEGY							
3.4.2.1.A	Assess practices to collect and handle waste oil.	DEH, OfReg, and Ministry responsible for Health and Wellness	Common practices are identified and assessed.	Staff time	Ongoing	2017	2045
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, and Ministry responsible for Health and Wellness	Remedial actions are taken, if needed.	Staff time	Ongoing	2017	2045
3.4.2.1.C	Maintain and keep under review best practices to collect and handle waste oil.	DEH, OfReg, and Ministry responsible for Health and Wellness	Practices to collect and handle waste oil are maintained and reviewed as needed.	Staff time	Ongoing	2017	2045
3.4.2.2.A	Assess private operators' practices when generating waste oil to ensure: <ul style="list-style-type: none"> - The safety of the environment. - Standards required for exportation are followed. 	OfReg	Private operators' practices are assessed.	Staff time	Ongoing	2017	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
FUEL STRATEGY							
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, Hazard Management Cayman Islands, Department of Environmental Health	Energy rating system is introduced and used constantly.	Staff time	Ongoing	2017	2045
3.4.2.2.C	Maintain and keep under review practices to collect and handle waste oil.	OfReg, Hazard Management Cayman Islands, Department of Environmental Health	Practices to collect and handle waste oil are maintained and reviewed as needed.	Staff time	In Progress	2017	2045
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 and OfReg	Guidelines and regulations are issued.	Staff time	Not Yet Started	2024	2045
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 and OfReg	Guidelines are implemented and updated as needed.	Staff time	Ongoing	2017	2045
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 and OfReg	A process to deal with waste oil environmental emergencies is adopted and updated as needed.	Staff time	Ongoing	2017	2045
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 and Ministry responsible for Finance and Economic Development	Campaign is launched. The collection, exportation, and recycling of waste oil increased.	Staff time	Not Yet Started	2024	2045
3.4.2.6.A	Assess compliance with international agreements on the export of hazardous waste and environmental, health, and safety standards.	DEH and OfReg	Compliance with international agreements is assessed.	Staff time	Not Yet Started	2024	2045
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	Not Yet Started	2024	2045
TRANSPORTATION STRATEGY							
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 and Ministry responsible for Finance and Economic Development	Actions to encourage cycling are carried out, where determined practical. Bicycle use increases.	Staff time	Ongoing	2017	2045
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, and Ministry responsible for Finance and Economic Development	Actions to encourage walking are carried out, where determined practical. Walking increases.	Staff time	Ongoing	2017	2045

NEP Reference	Strategic Aims and Actions	Responsible Parties	Progress/Success Indicator	Resources and Cost	Status	Start Date	End Date
TRANSPORTATION STRATEGY							
3.4.4.1.A	Determine the best planning and management technologies, including the: <ul style="list-style-type: none"> - Provision of real-time traffic information. - Use of sensors to regulate traffic lights. - Use of multi – function message panels. 	Ministry responsible for Transport and National Roads Authority (“NRA”)	Planning and management technologies are determined.	Staff time	Ongoing	2017	2045
3.4.4.1.B	Deploy traffic planning and management technologies.	Ministry responsible for Transport and NRA	Planning and management technologies are employed. Traffic flow improves.	Staff time	Not Yet Started	2024	2045
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	Ongoing	2017	2045
3.4.4.2-B	Adopt measures to optimize road travel	Ministry responsible for Transport and NRA	Road travel is optimized	Staff time	Not Yet Started	2024	2045
3.4.4.3-A	Identify measures to decrease road demand including congestion pricing, restrictions to circulation and staggering selected public services to off - peak times	Ministry responsible for Transport and NRA	Measures identified	Staff time	Not Yet Started	2024	2045
3.4.4.3-B	Adopt measures to decrease road demand	Ministry responsible for Transport and NRA	Road demand decreases	Staff time	Not Yet Started	2024	2045
3.4.4.4	Launch an advertising campaign to encourage flexible work practices, such as telecommuting or flexible work schedules, that includes: a) The benefits of flexible work practices for businesses and individuals b) The Government’s initiatives that reflect these strategies in the public sector	Ministry responsible for Transport and NRA, POCS	Flexible work practices are adopted	Staff time	Not Yet Started	2024	2045
3.4.4.5- A	Create a comprehensive plan to increase the efficiency of seaport and airport connections by <ul style="list-style-type: none"> a) Including new infrastructure b) Including green travel for workers c) Improving access to public transport modes 	Ministry responsible for Transport and NRA	Plan is created	Staff time	Not Yet Started	2024	2045
3.4.4.5-B	Adopt plan to increase efficiency of seaport and airport connections and update as needed	Ministry responsible for Transport and NRA	Seaport and airport connections are more efficient. Plan is monitored and updated as needed	Staff time	Not Yet Started	2024	2045
3.4.5.1-A	Study feasibility of increasing the availability of parking facilities, particularly in the proximity of congested or pedestrian areas	Ministry responsible for Transport and NRA	Study completed	Staff time	Not Yet Started	2024	2045
3.4.5.1-B	Increase the availability of parking facilities according to study results	Ministry responsible for Transport and NRA	Availability of parking facilities increased	Staff time	Not Yet Started	2024	2045
3.4.5.2- A	Encourage parking garages in large developments	Ministry responsible for Transport and NRA	Adopt guidelines or regulations for increasing to encourage or require parking garages in large developments	Staff time	Not Yet Started	2024	2045
3.4.5.2-B	Provide priority parking to carpoolers to encourage carpooling	Ministry responsible for Transport and NRA	Carpooling increases	Staff time	Not Yet Started	2024	2045
3.4.5.2-C	Consider parking pricing to reduce parking demand	Ministry responsible for Transport and NRA	Parking demand decreases	Staff time	Not Yet Started	2024	2045
3.4.6.1	Link the National Transportation Plan to the National Energy policy, in particular regarding: <ul style="list-style-type: none"> a) Improvement of service coverage to meet demand – extend routes, stops, express service b) Improvement of service quality, provision of bus shelters c) Allowing public transportation on private roadways d) Improvement payment modes e.g. electronic rechargeable tickets 	Ministry responsible for Transport and NRA	National Transportation Plan is updated and linked to the National Energy Policy	Staff time	Not Yet Started	2024	2045
3.4.6.2-A	Identify best incentives to encourage ridership from older persons, students, and frequent users such as: <ul style="list-style-type: none"> a) Deep discounting or transit pass incentive programs b) Reimbursements c) Partial payments d) Pre-tax payroll deductions 	Ministry responsible for Transport and NRA	Best incentives are identified	Staff time	Not Yet Started	2024	2045
3.4.6.2-B	Provide incentives to older persons, students, and frequent users to encourage ridership	Ministry responsible for Transport and NRA	Adopt appropriate incentives. Ridership increases amongst older persons, students, and frequent users	Staff time	In Progress	2023	2045
3.4.6.3-A	Study new/alternative modes of public transportation such as shuttles between	Ministry responsible for	Study completed	Staff time	In Progress	2020	2045

	residential areas and employment centers	Transport and NRA					
3.4.6.3-B	Develop appropriate new/alternative modes of public transportation	Ministry responsible for Transport and NRA	New/alternative modes of public transportation are adopted	Staff time	Not Yet Started	2024	2045
LAND USE AND BUILDING STRATEGY							
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	In Progress	2017	2045
3.4.7.1.B	Set development/conservation goals for Little Cayman and Cayman Brac.	Ministry responsible for Planning and Ministry responsible for Environment	Goals are set.	Staff time	In Progress	2017	2045
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	In Progress	2017	2045
WATER AND WASTEWATER STRATEGY							
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	Not Yet Started	2024	2045
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	Not Yet Started	2024	2045
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, Ministry responsible for Water, Ministry responsible for Environment, and DEH	Regulatory framework is established.	Staff time	Ongoing	2017	2045
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	Not Yet Started	2024	2045
CLIMATE CHANGE AND ENVIRONMENT							
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	Not Yet Started	2017	2045
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	Not Yet Started	2017	2045
3.4.10.C	Implement strategies to reduce GHG emissions and update as necessary.	Ministry responsible for Environment	Strategies are implemented.	Staff time	Ongoing	2017	2045
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	Ongoing	2017	2045
3.4.10.E	Submit annual emissions inventories and national reports.	Ministry responsible for Environment	Annual emissions inventories and reports are submitted.	Staff time	Ongoing	2017	2045
3.4.10.F	Prohibit clear cutting, de-mucking, filling of land for development use until development is approved and about to commence.	Ministry responsible for Environment	Practices are prohibited.	Staff time	Ongoing	2017	2045
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	Increase duty on fake-grass and fake-turf.	Staff time	Not Yet Started	2024	2045