

Electrifying the Caribbean – Grenada's Roadmap and Strategy 8th Caribbean Sustainable Energy Forum

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Environment and Renewable Energy

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Overview

Grenada's Energy Situation

Progressive Steps: Policy Framework

Incentives

Strategic Road Map (approx. 80% of R.E)

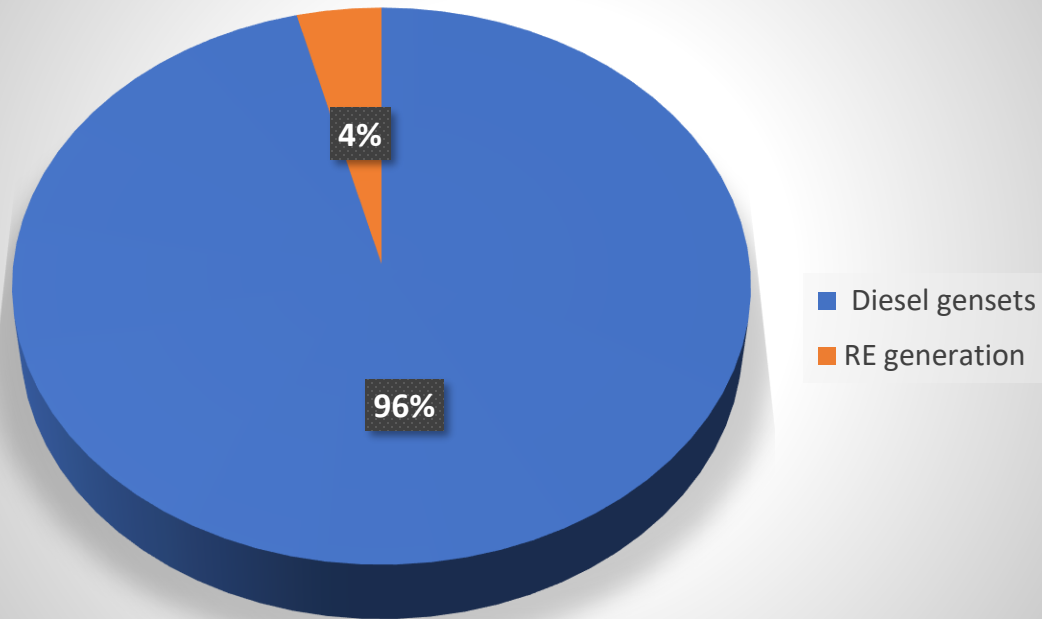
Enabling Environment

Policy Targets

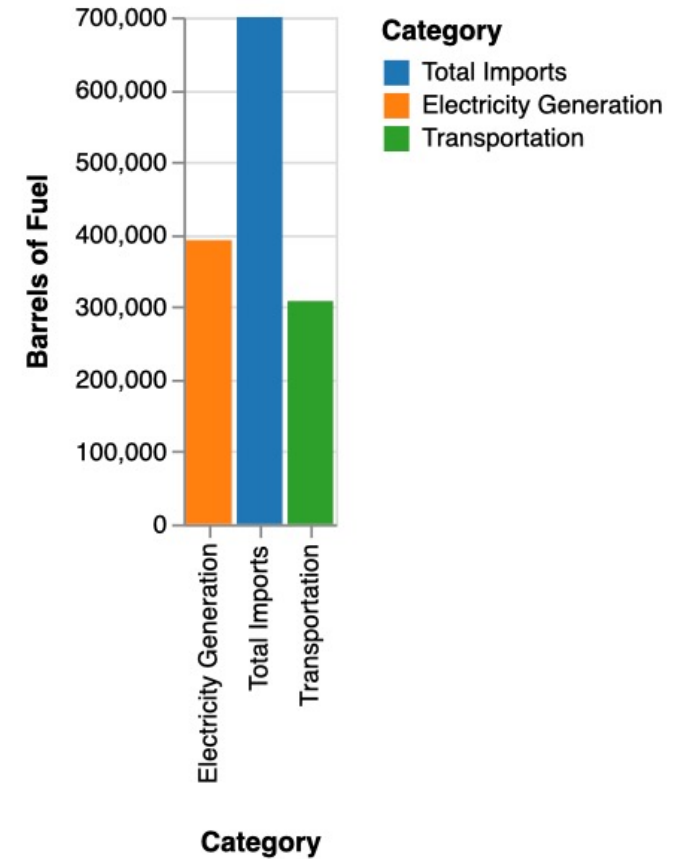
Challenges and Limitations

Grenada's Energy Situation

Generation capacity: 50 MW (2021)

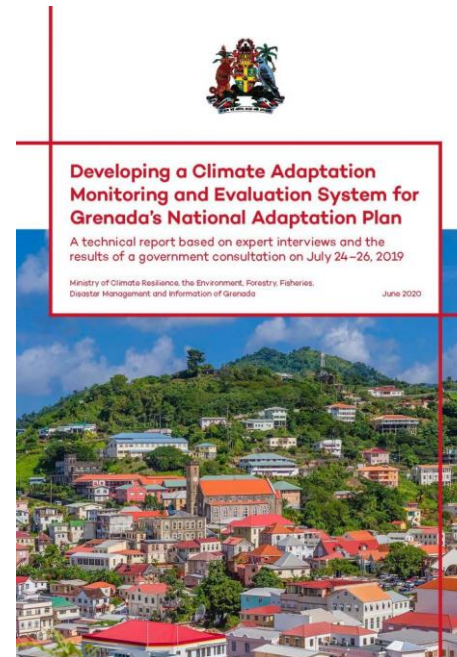
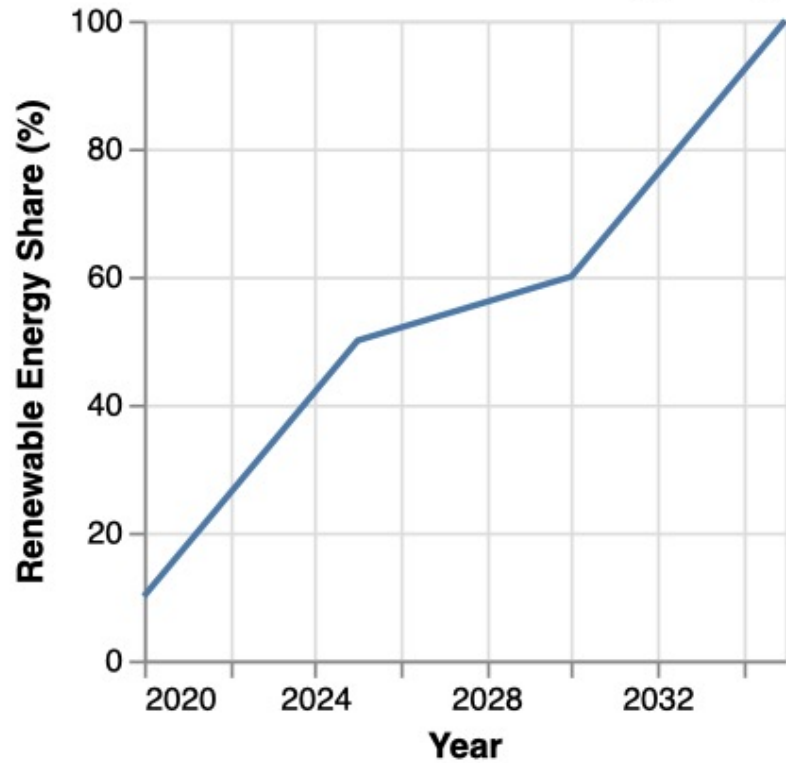


Grenada's Annual Fuel Imports and Usage



Grenada's Energy Situation cont'd

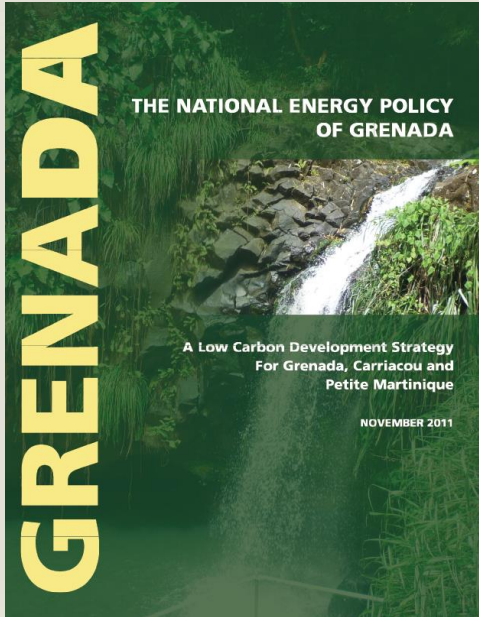
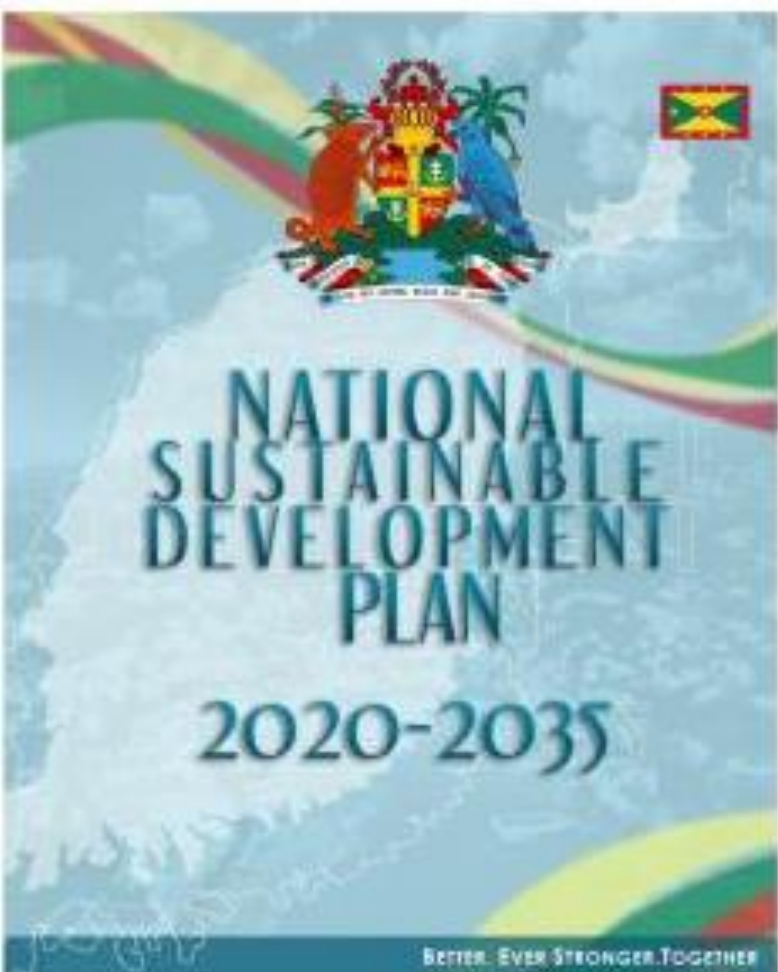
Grenada's Renewable Energy Targets



GRENADA

**SECOND NATIONALLY
DETERMINED
CONTRIBUTION**

Progressive Steps: Policy Framework and Incentives



Incentives





Airport – West End of Runway

Land size – 6.75 Acres
Potential solar capacity – 3.4MW

RMI – Energy Transformed.



Airport – North of Salt Pond

Land size – 12.66 Acres
Potential solar capacity – 4.6MW

RMI – Energy Transformed.



Geothermal Energy Development Project
Conceptual 15 MW_e Power Plant
Integrated to the National Grid

PROJECT BRIEF (WITH FOCUS ON EXPLORATION PHASE)
April 2023

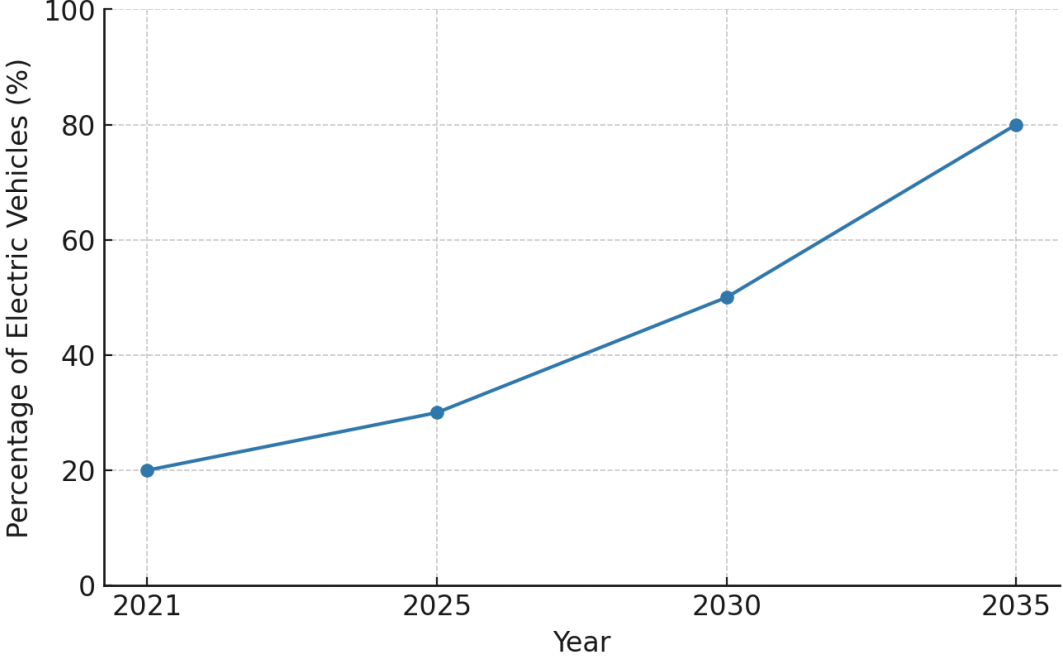


Strategic Road Map (approx. 80% of R.E)

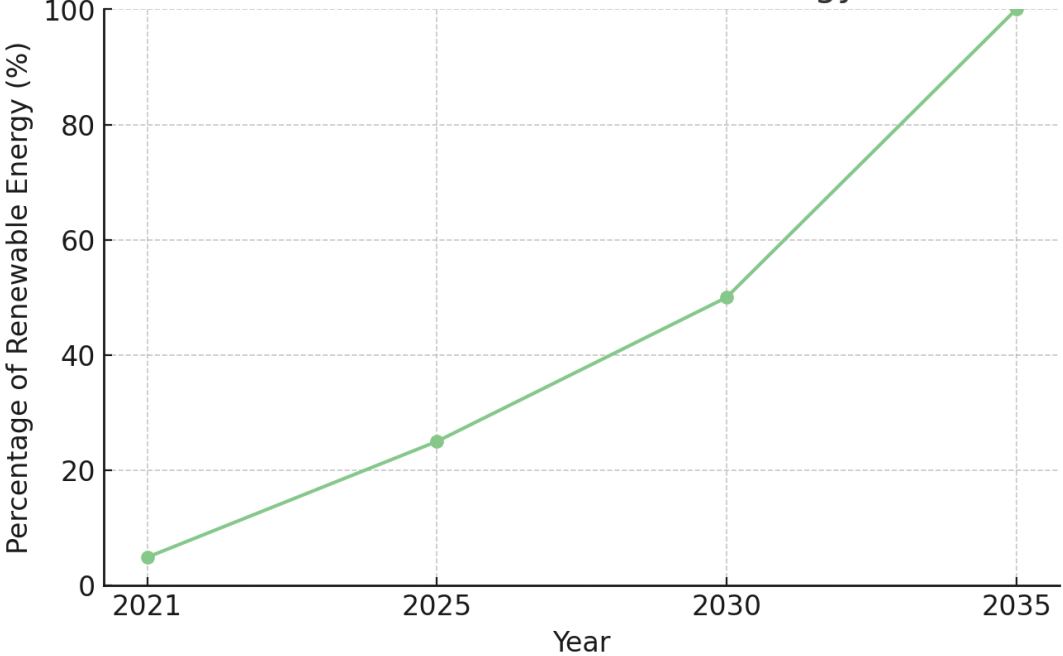
Enabling Environment



Shift to Electric Vehicles



Increase in Renewable Energy



Policy Targets

- Revisit policy decisions with respect to incentives for hybrids, EVs, and Solar PV.
- Promote the use of alternative public modes of transport considering a national transport plan and need for a sustainable transport strategy
- Establish an R.E. Act and a microgrid policy/ Regulation.
- Support pilot projects which can assist road and maritime transportation in reducing fuel consumption
- Assess the potential for alternative ozone friendly and other forms of RE fuel sources for supply and use in Grenada to power vehicles
- Support an e-mobility assessment for the deployment of electric vehicles, including options for creating an adequate charging infrastructure.
- Capacity Building

Challenges and Limitations

To fully implement the mitigation measures contained in our NDC, Grenada will require grants and other concessional finance, support for capacity building and institutional strengthening and access to appropriate technologies. The indicative cost for Grenada's identified NDC mitigation measures through 2030 is between \$984.9 and \$1,054.5 million USD.

Grenada anticipates implementing the NDC through access to multilateral and bilateral support including through the Green Climate Fund, multilateral agencies, and bilateral arrangements with development partners.

These funds will be used to leverage the limited national resources and technical capacities that are available for responding to climate change.

Challenges and Limitations

How the loss in revenue pertaining to petroleum taxes will affect Government's finances and are there alternative revenue sources that can be tapped in the energy sector?

How we train personnel and upgrade their skill set to deal with the new technologies such as EVs?

How we handle and dispose of "new" waste such as Lithium- Ion batteries in a responsible way?



Thank You

