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CARIBBEAN CENTRE FOR RENEWABLE
ENERGY & ENERGY EFFICIENCY

AN INSTITUTION OF



CARICOM

Policy & Regulatory Frameworks

FI Training, 29th October 2020

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Macro-level considerations for the energy transition

Aim:

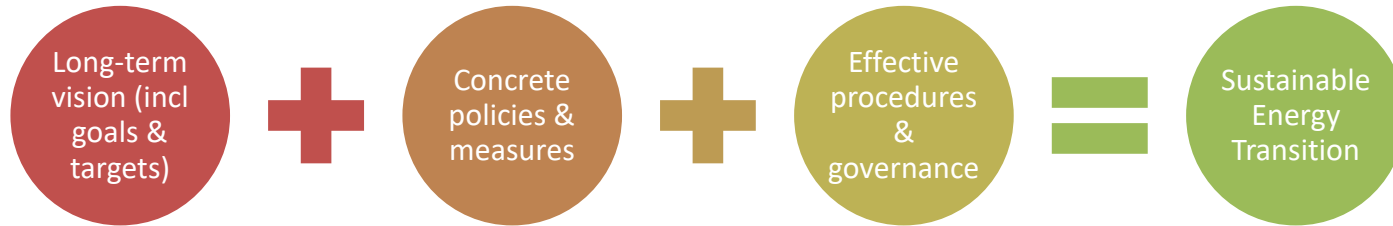
- Increasing the share of RES in the electricity/energy mix
- Enhancing the rate of improvement in EE
- Cost-efficient RES integration into electricity networks
- Changing landscape of market players and generation structures

So what do we need?

- Adjustment of support mechanisms and markets
- Enabling policy frameworks that promote the investments in renewable energy projects and energy efficiency improvements

What is an „Enabling Framework“?

No single support policy or measure can transform the entire energy sector!



Long-term vision: National Energy Plans and Targets

POLICY, LEGAL AND REGULATORY FRAMEWORK

| Countries | Finalized Energy Policy/ Action Plan? | Renewable Energy (RE) Targets? | RE Act? | Net Metering/ Billing? | Independent Power Producers? | Feed-in-Tariff (FIT) | Interconnection Policy/ Standards |
|----------------------|---------------------------------------|--------------------------------|---------|------------------------|------------------------------|----------------------|-----------------------------------|
| Antigua and Barbados | ● | ● | ● | ● | ● | ● | ● |
| Bahamas | ● | ● | | ● | | ● | |
| Barbados | ● | ● | | ● | ● | ● | ● |
| Belize | ● | ● | | | ● | | |
| Dominica | ● | ● | ● | ● | ● | ● | ● |
| Grenada | ● | ● | ● | ● | | | ● |
| Guyana | ● | ● | ● | | | | |
| Haiti | ● | ● | | | ● | | |
| Jamaica | ● | ● | | ● | ● | | ● |
| Montserrat | ● | ● | | ● | | | |
| St. Kitts and Nevis | ● | ● | ● | | ● | | |

| | | | | | | | |
|---------------------|---|---|---|---|---|---|---|
| St. Lucia | ● | ● | ● | ● | | | |
| SVG | ● | ● | ● | ● | ● | ● | ● |
| Suriname | ● | | | | ● | ● | ● |
| Trinidad and Tobago | ● | ● | | | ● | | ● |

● In place /established

● draft/in development



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Long-term vision: National Energy Plans and Targets

TRANSPORTATION

| Countries | Fuel (BOE) Used in Transportation Sector | Sustainable Transportation Target? | Number of Conventional Vehicles Registered | Number of Hybrid & Electric Vehicles |
|---------------------|--|------------------------------------|--|--------------------------------------|
| Antigua and Barbuda | 595,319 | ● | 31,786 | |
| Bahamas | | ● | | |
| Barbados | 1,065,800 | ● | | 400 |
| Belize | 837,339 | ● | | |
| Dominica | 123,370 | | 27,223 | 1 |
| Grenada | 304,775 | ● | 26,387 | |
| Guyana | 1,816,520.73 | | 12,321 | |
| Haiti | | | | |
| Jamaica | 6,605,400 | ● | 3,304,559 | |
| Montserrat | | | 2,642 | |
| St. Kitts and Nevis | 173,740 | ● | | |
| St Lucia | 240,170 | | | 5 |
| SVG | 293,460 | ● | 24,046 | 6 |
| Suriname | | ● | | |
| Trinidad and Tobago | | ● | | |

Data providing a breakdown on how fuel is used within the transportation subsector is not readily available and, in some instances, may not be tracked.
 *Data years vary.

Support Policies & Measures

- RE Support Schemes:
 - Independent power production; self-generation
 - Renewable portfolio standards (RPS) or quotas
 - Feed-in Tariffs
 - Feed-in Premiums
 - Net metering or net billing schemes
 - Fiscal incentives
 - Tenders or auctions
 - Public loan or grant programmes

EE Support Mechanisms

- Governmental regulations:
 - National EE standards
 - Appliance labelling schemes
 - Prohibition of use/import e.g. incandescent light bulbs
- Fiscal incentives:
 - Tax credits
 - Tax reductions and exemptions
- Awareness raising initiatives
- Financing mechanisms
 - ESCOs
 - Integrated Utility Service (IUS) Model

Support Mechanisms for Sustainable Transportation

- Direct regulation e.g.
 - Biofuel blending mandates
- Fuel efficiency standards
- Tax incentives (import tax exemptions and reductions)

Table 14. Transportation Policies In CARICOM Member States, as of 2015

KEY: N = None S = Suggested ID = In Development X = Implemented

| Country | Blend Mandate | Import Tax Exemption and Reduction | Fuel Efficiency Standards |
|--------------------------------|---------------|------------------------------------|---------------------------|
| Antigua and Barbuda | S | N | S |
| The Bahamas | N | S | S |
| Barbados | S | X | X |
| Belize | N | N | N |
| Dominica | S | N | S |
| Grenada | S | S | S |
| Guyana | N | S | S |
| Haiti | N | X | N |
| Jamaica | X | N | N |
| Montserrat | N | N | N |
| Saint Lucia | N | X | N |
| St. Kitts and Nevis | N | ID | S |
| St. Vincent and the Grenadines | N | S | N |
| Suriname | N | S | ID |
| Trinidad and Tobago | N | X | N |

Note: "Suggested" indicates that the measure has been cited or discussed in some official state capacity (including in an official planning document or in public remarks) but has not yet been implemented.

Source: See Endnote 19 for this section. © Worldwatch Institute

Governance & Administrative Structures

- Responsible and effective institutions
- Data and information collection
- Utilities: vertically integrated vs allowing IPPs
- Effective and streamlined administrative procedures
- Regional initiatives and better coordination

Word cloud containing various expressions of gratitude in multiple languages, including:

- danke
- thank you
- gracias
- merci
- terima kasih
- agat
- moichhakkeram
- arigato
- dakujem
- agat
- mochchakkeram
- raibh maith
- agat
- moichhakkeram
- arigato
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- agat
- moichhakkeram
- arigato
- dakujem
- agat



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