



Solar PV Policies & SDGs in the Caribbean

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CARICOM Policy Goals

Clean energy targets (41st Special Meeting of COTED).

- **47% renewable energy** for power capacity by 2027.
- Power sector **CO₂ emission reductions of 36%** by 2027.



“Build resilient infrastructure, promote sustainable industrialization and foster innovation”



“Ensure access to affordable, reliable, sustainable and modern energy for all”.

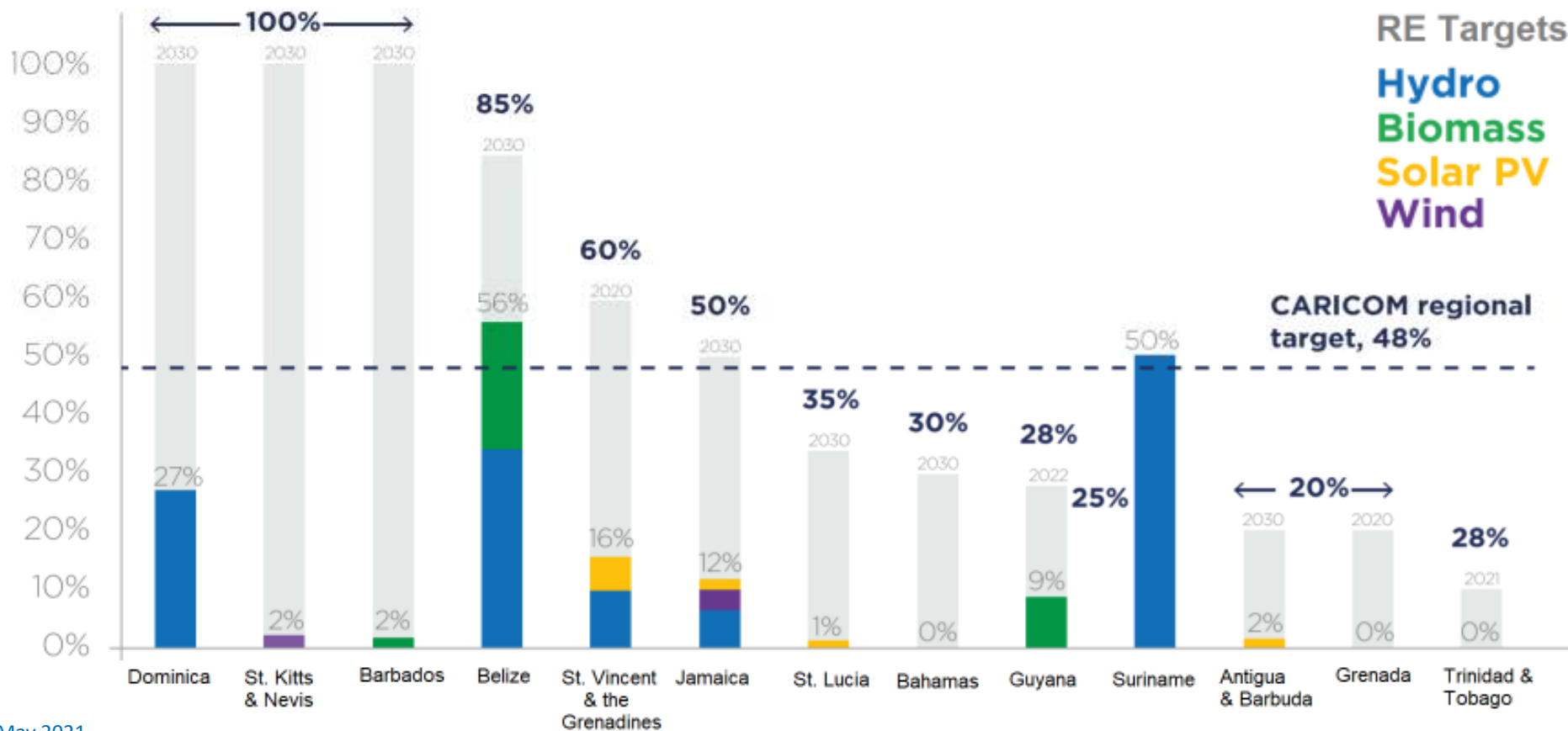


“Take urgent action to combat climate change and its impacts”

CARICOM Renewable Energy Targets



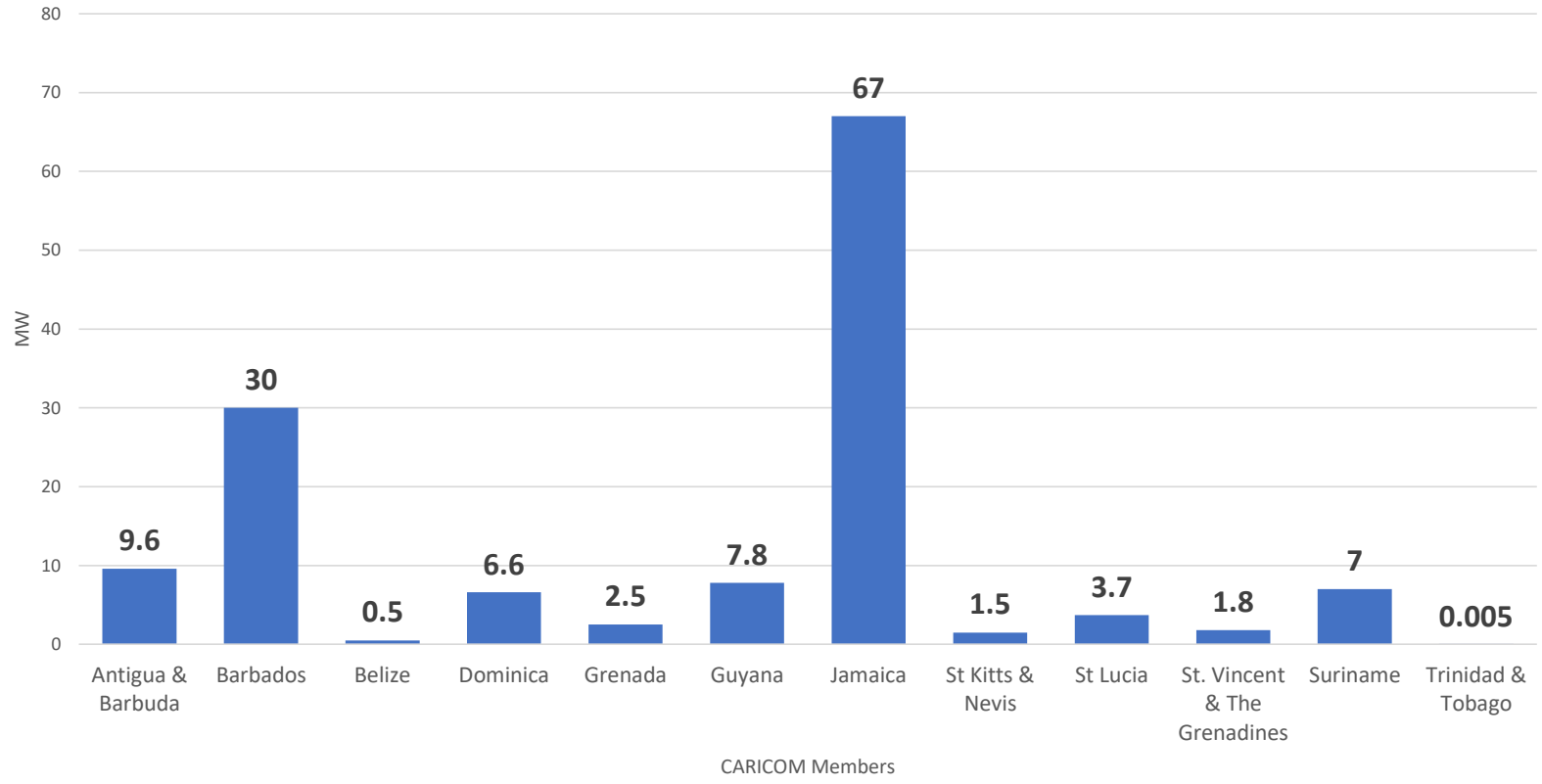
National Renewable Energy Ambitions (2019)





Installed Solar PV

Installed Solar PV (MW)



CARICOM SPV Systems:

- Grid-interactive.
- Stand-alone.
- Utility scale.
- DER.
- 0 – 56% of electricity mix.

Renewable Energy Incentives (2020)



COUNTRY	Tax Credits	Feed in Tariff (FiT)	Net Metering (NM)	Net Billing (NB)	Tax Reduction/Exemption	Interconnection Standards
Antigua & Barbuda	✗	✗	✗	✓	✓	✓
Barbados	✓	✓	✗	✓	✓	✓
Belize	✗	✗	✗	✗	✓	✗
Dominica	✗	✗	✓	✗	✓	✓
Grenada	✗	✗	✗	✓	✓	✓
Guyana	✗	✗	✓	✗	✓	✓
Jamaica	✗	✗	✗	✓	✓	✓
St. Kitts & Nevis	✓	✓	✓	✗	✓	✗
St. Lucia	✓	✗	✓	✗	✓	✗
St. Vincent	✗	✓	✓	✓	✓	✗
Suriname	✗	✗	✓	✗	✗	✓
Trinidad & Tobago	✓	✗	✗	✗	✓	✗

Sources: Energy Transition Initiatives, 2020/ JICA, 2015

CARICOM NDC Progress

- Regional NDCs acknowledge:
 - Benefits of mitigation (environmental, adaptation, cost savings, efficiency, etc.).
 - Low carbon economy will facilitate achievement of SDGs.



Comparative Progress - NDC: Mitigation Actions in the Energy Sector (15 CARICOM States) (2020)

Developed renewable electricity projects



Developed clean energy policies/strategies



Made energy enhancements to buildings



Implemented a GHG monitoring/tracking system



Developed grid efficiency improvement projects



Source: UNFCCC Regional Collaboration Center, St. Georges (2020)

Summary



- National RE ambitions are high.
- Meaningful RE gap still to be filled by 2030.
- Significant potential for more grid-interactive SPV to meet policy ambitions.
- More can be done via policies and measures to advance national solar RE penetration levels.
- RE is the most progressive mechanism for climate change mitigation and sustainable grid expansion.



Thank you for your attention.



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