

# Massy Energy

...toward shaping a Responsible Energy Future

Clean Energy Conference 2017



***“To be a leader in shaping a responsible energy future, inspiring people to create value; transforming our region”***

Influencing the creation of a responsible energy landscape, with focus on the **sustainable use of natural resources** and assiduous promotion of a culture of energy efficiency amongst all stakeholders. Development of a socially and economically acceptable portfolio of renewable and non-renewable energy projects to ensure energy affordability and security within our region. Dedicated to continuously **improving upon energy conversion** through the use of technology and innovation in a safe and environmentally responsible manner. Enhancing the lives of our stakeholders through the promotion of **ethical energy development practices** that protect health and the environment in accordance with our values.





## **Solar PV**

Photovoltaics converting light to electricity



## **Wind**

Turbine powered by wind to generate electricity



## **Hydro**

Water driven turbine to generate electricity



## **Biomass**

Converting cultivated organic matter to energy



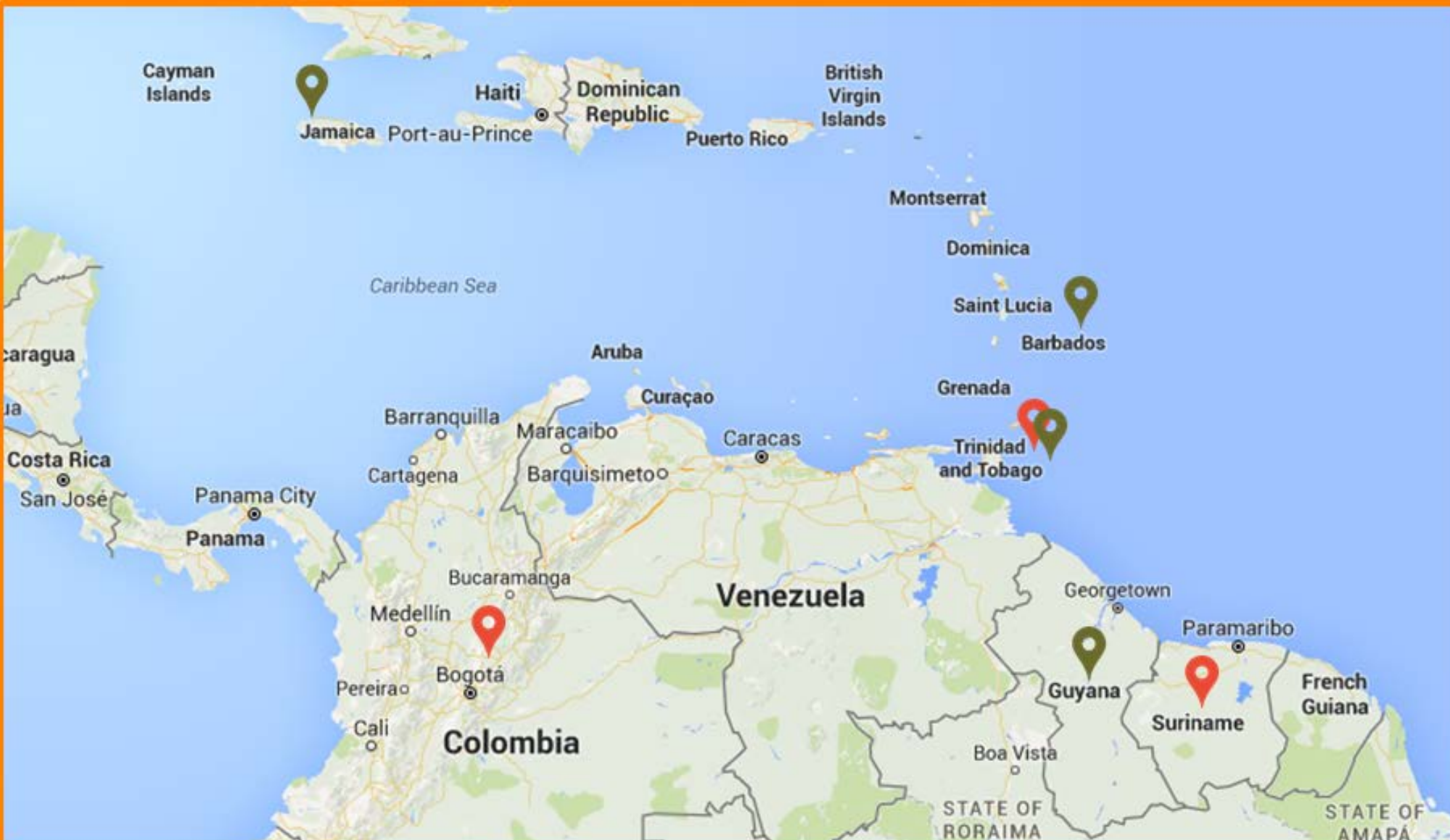
## **Energy Efficiency**

Waste Heat Recovery/Alternative Fuels/Co-generation



**Our  
Strategic  
Focus**

# Our Territories



## Barbados

- Massy Gas Products (Barbados) Ltd.

## Trinidad & Tobago

- Massy Gas Products (Trinidad) Ltd.
- Massy Energy Engineered Solutions
- Massy Energy Fabric Maintenance
- Massy Energy Production Resources
- Massy Wood Group

## Jamaica

- Massy Gas Products (Jamaica) Ltd.

## Colombia

- Massy Energy Colombia

## Guyana

- Massy Gas Products (Guyana) Ltd.

## Suriname

- Massy Kersten Energy Services N.V.

# Challenges



**Legislation**



**Financing**



**Incentives**



**Market Regulation**



# Legislative Challenges

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- Despite CARICOM Sustainable Energy Roadmap and Strategy (C-SERMS) there is still considerable variation from Territory to Territory
- Enabling Legislation
  - Distributed Generation
  - Renewable IPPs
  - Feed In Tariff / Net Metering
- Success Stories
  - **Barbados:** Solar Water Heater Penetration, Distributed Generation, 10MW Solar Power plant
  - **Jamaica:** Almost 100MW Wind, 20MW Solar
- Significant Improvement Required - **Trinidad and Tobago**





# Financing Challenges

- Multi Lateral Financing available mostly to Government
- Bilateral Export Financing generally supportive of Equipment Suppliers
- Development Bank Financing is only available for large >\$10M Projects
- Local Financing remains challenging, though some Private Equity Funds are entering the regional market





# Incentive Challenges

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- VAT
  - Import Duty
  - Accelerated Depreciation
  - Tax Credits
  - Feed in Tariffs
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- Welcome ... but cannot overcome subsidized energy prices



# Regulatory Challenges

- Renewable Energy penetration is greater in Territories where the Power Market allows for fair competition for supply of electricity
- State Owned Utilities are slow to adopt change and accept the benefits of renewables
- Monopoly Markets do not incentivise adding renewables to the generation mix
- Regulatory Agencies must support and encourage renewables



# Current Projects under development



## Hydropower

Run of the River 2.2MW

## ESCO

Demand and Supply Side ECMs  
for a large Eastern Caribbean  
consumer

## Biomass

20MW Biomass Power Plant  
for Industrial Consumer

## Solar PV

50MW Utility Scale Power Plant

# Contact Us



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# Thank You

“...shaping a responsible energy future...”