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# JAMAICA'S AIRPORT RENEWABLE ENERGY PROJECT

**Presenter Name**

**ALTHEA ROPER**

**JAMAICA**





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## ICAO-UNDP-GEF

The objective of this joint Assistance project *Transforming the Global Aviation Sector Emissions Reductions from International Aviation* is to support capacity building in developing States and SIDS for implementing concrete measures for reducing CO<sub>2</sub> emissions from international aviation.

Action Plan  
on Emissions  
Reduction



Jamaica submitted its States  
Action Plan in **March 2013.**

Requested Assistance

**2014 – INTERNATIONAL YEAR OF THE SIDS**



MONTREAL, CANADA, NOVEMBER 29-30, 2017



# IMPORTANT DATES

- **Official Government of Jamaica (GOJ) Letter of Commitment:**
  - **23 June 2014**
  - **17 August 2016**
  - **JAMAICA CIVIL AVIATION AUTHORITY Board 29 May 2014**
- **Regional Support – Caribbean Aviation Safety and Security Oversight Systems (CASSOS)**
  - **CASSOS Board – 29 April 2014**



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## TWO SOLAR-AT-GATE PROJECT

### NORMAN MANLEY INTERNATIONAL AIRPORT



### SANGSTER INTERNATIONAL AIRPORT



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# RENEWABLE ENERGY SOURCE





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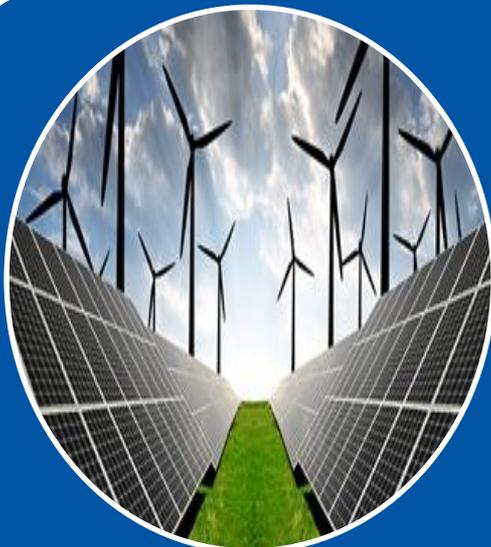
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# DELIVERABLES



**FINANCE  
GUIDANCE**



**RENEWABLE  
ENERGY**



**REGULATORY &  
ORGANIZATIONAL  
MEASURES**



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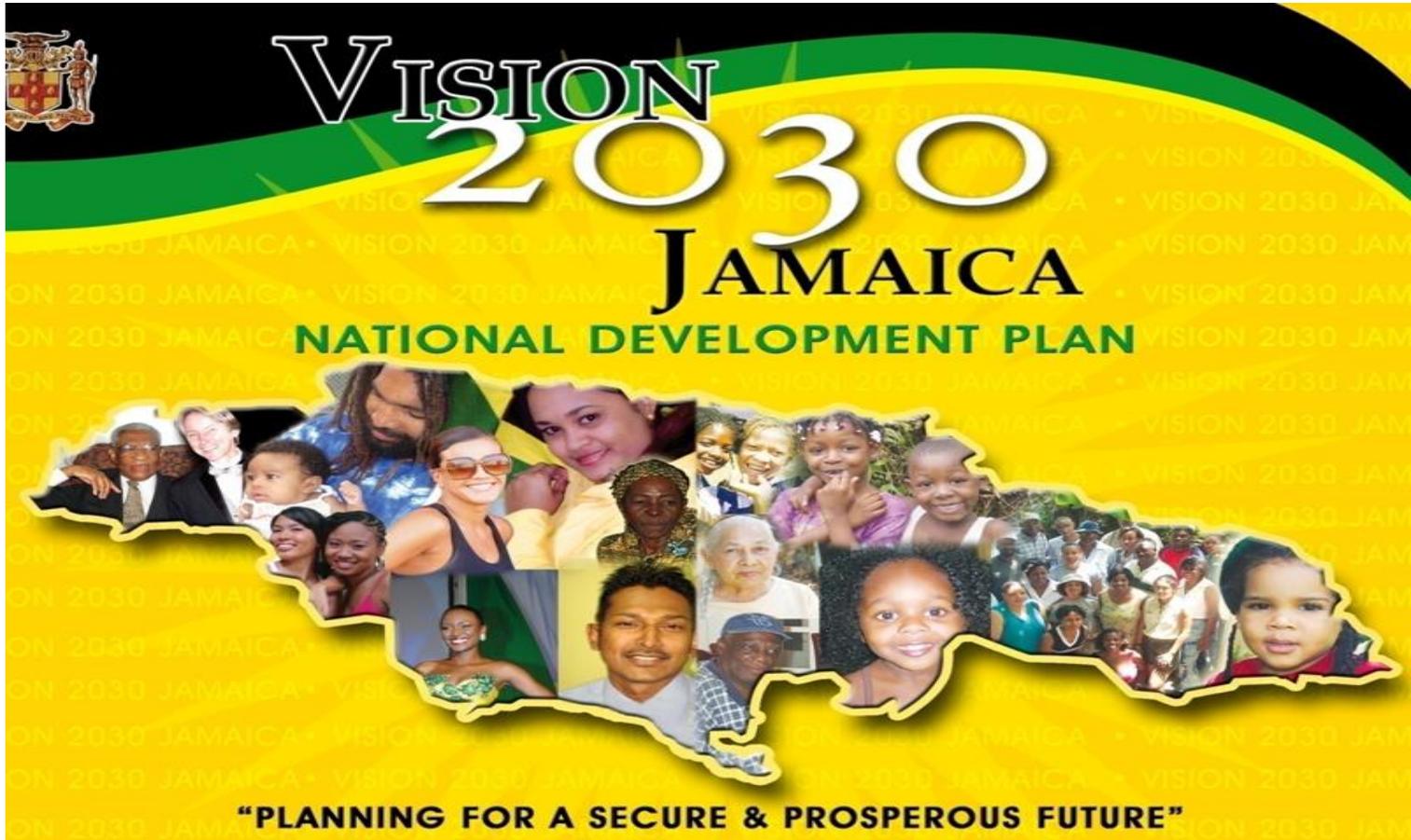
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# NATIONAL DEVELOPMENT PLAN (NDP)



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# NATIONAL OUTCOME #10 Energy Security

PROPOSED OUTCOME INDICATORS	BASELINE 2007 OR MOST CURRENT	PROPOSED	TARGETS	
		2012	2015	2030
Percentage of renewables in energy mix	4.8%	11%	12.5%	20%



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# JAMAICA'S VISION 2030

## NATIONAL OUTCOME #10

## STRATEGY

COST  
BENEFITS

- DIVERSIFY ENERGY SUPPLY, INCREASE RENEWABLE ENERGY
- PROMOTE ENERGY EFFICIENCY AND CONSERVATION
- DEVELOP AND IMPLEMENT ENVIRONMENTAL STEWARDSHIP PROGRAMMES IN GOJ AGENCIES





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## STRATEGY cont'd

**COST  
BENEFITS**

- **DEVELOP ENERGY DIVERSIFICATION PRIORITIES IN A TIMELY WAY BASED ON COST, EFFICIENCY, ENVIRONMENTAL CONSIDERATIONS AND TECHNOLOGIES**





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# JAMAICA'S VISION 2030 NDP

## NATIONAL OUTCOME#13

- **SUSTAINABLE MANAGEMENT AND USE OF ENVIRONMENTAL AND NATURAL RESOURCES**





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# JAMAICA'S VISION 2030

POLICY

## STRATEGY

- **CREATING INFORMED COMMITTED LEADERSHIP WHO ARE CHAMPIONS FOR ENVIRONMENTAL PROTECTION**
- ***“This initiative by ICAO/UNDP is welcomed by the Ministry of Transport, and the entire Government of Jamaica. The Government pledges its support in this venture, and looks forward to the commencement of this emissions saving project”, says L.M. Henry, Hon. Minister of Transport and Mining of Jamaica.***





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# JAMAICA'S VISION 2030

POLICY

## STRATEGY:

- **DEVELOP EFFICIENT AND EFFECTIVE GOVERNANCE STRUCTURES FOR ENVIRONMENTAL MANAGEMENT**
- **CREATE A DYNAMIC AND RESPONSIVE REGULATORY ENVIRONMENT.....REVIEW AND STRENGTHEN RELEVANT ENVIRONMENTAL LEGISLATION.**





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# STRATEGIES

POLICY

- **EFFECTIVE REGULATORY FRAMEWORK WHICH BINDS GOVERNMENT AND PEOPLE AND THE LEGISLATIVE REFORMS TO SUPPORT IT.**





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# STRATEGIES

**CAPACITY  
BUILDING**

- **BUILD CAPACITY (systems, processes, infrastructure and personnel) OF ENVIRONMENTAL INSTITUTIONS AND ENCOURAGE TRANSFORMATIONAL LEADERSHIP IN SUCH INSTITUTIONS**
- **SUPPORTS EFFECTIVE DELIVERY OF ENVIRONMENTAL EDUCATION AT ALL LEVELS OF THE JAMAICAN EDUCATION SYSTEM AND PROMOTE ENVIRONMENTAL AWARENESS**
- **DATA MANAGEMENT FOR ANALYSIS**





# ICAO-UNDP PROJECT SYNERGIES WITH GOJ POLICIES

## COST BENEFITS

- Understanding the costs and environmental benefits associated with implementation of the aviation low emissions measures through conducting an assessment of costs and environmental benefits associated with implementation of the aviation low emissions measures.

## POLICY

- Enhancing policy framework through a series of policy instruments, including guidance papers and studies on: regulatory and organizational measures to promote low emissions reduction activities; promotion of use of alternative jet fuels; and use of renewable energy at the airports.

## CAPACITY BUILDING

- Sharing knowledge and resources through an integrated environmental portal, as well as other awareness-raising initiatives.



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# PARTNERSHIPS/COLLABORATION

## GOVERNMENT OF JAMAICA



**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

*A United Nations Specialized Agency*



**MINISTRY OF TRANSPORT,  
WORKS AND HOUSING**



**GLOBAL ENVIRONMENT FACILITY**  
INVESTING IN OUR PLANET

**SANGSTER INT'S AIRPORT**



Caribbean Aviation Safety and Security Oversight System

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**THANK YOU**

