

[BELIZE/NDA]



GREEN
CLIMATE
FUND

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Project title

[Arundo Donax Renewable Biomass Fuel for Belize_]

Result areas

[Adaptation]

Sector

Public/Private

Total financing, USD

[USD 739,700.00]

GCF financing, USD

[USD 694,000.00]

Financial instrument

Grant

Description of specific climate change problem and how the project will address it

The purpose of the project is to enable Belize to develop and implement a biomass energy project utilizing an indigenous grass as a fuel source that would be cultivated on marginal lands. The Project concept is consistent with Government of Belize's objective of expanding the utilization of biomass to meet some of the country's energy needs, and to achieve the dual aims of reducing the country's Carbon footprint and adapting to climate change impacts. In addition, it will stabilize power production from BELCOGEN, provide clean sustainable power throughout the year, create new jobs in the cultivation of *Arundo Donax*, save foreign exchange by displacing the 35% of imported Mexican power, increase energy security, and reduce BEL's cost of power.

Alignment with key country priorities and stakeholders engaged

Key country Priorities

Growth Sustainable Development Strategy (GSDS)
National Determine Contributions (NDCs)
National Energy Policy Framework, 2011
National Climate Change Policy, Strategy and Action Plan
National Food and Agriculture Policy 2002-2020
Forest & Biodiversity Policy

Key Stakeholders Engaged

Stakeholders: Public and Private Sector
BELCOGEN
Landowners
Belize Sugar Industry/ASR
Belize Electricity Limited
SIRDI
Sugar Cane Farmers Association
Non-Sugar Cane Farmers Community

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Activities

- Environmental and Social Impact Assessment and Management
- Stakeholder Analysis and Management and Engagement Plan
- Gender Analysis and Gender Action Plan
- Harvesting/Shred Arundo Donax
- Conduct Combustion Tests Analysis
- Feasibility Analysis (Technical, Financial and Economic)
- Full Funding Proposal

Expected outcomes

- Feasibility Study and Funding Proposal Preparation
- Fuel Compatibility Test
- Project Management and Reporting

Paradigm shift potential

- Replicate and scaling up
- Minimization of risks in the commercialization phase
- Annual foreign currency savings
- New job opportunities potential for knowledge and learning.