



DEPARTMENT of  
**ENVIRONMENT**  
Antigua and Barbuda

# Report on Antigua and Barbuda's Implementation of the NDC's

by Jamila Gregory, PMP  
Department of Environment

# Conditional Adaptation Targets



By 2025, **increase seawater desalination capacity by 50%** above 2015 levels.

By 2030, **100% of electricity demand in the water sector and other essential services** (including health, food storage and emergency services) will be met through off-grid renewable sources.

By 2030, **an affordable insurance scheme is available for farmers, fishers, and residential and business owners** to cope with losses resulting from climate variability.

2025

2030

2030

2030

2030

By 2030, **all buildings are improved and prepared for extreme climate events**, including drought, flooding and hurricanes.

By 2030, **all waterways are protected** to reduce the risks of flooding and health impacts.

# Conditional Mitigation Targets



By 2020, establish efficiency standards for the importation of all vehicles and appliances.

By 2030, achieve an energy matrix with 50 MW of electricity from renewable sources both on and off-grid in the public and private sectors.<sup>3</sup>

2020

2030

2020

2030

By 2020, finalize the technical studies with the intention to construct and operationalize a **waste to energy (WTE) plant** by 2025.

By 2030, all remaining wetlands and watershed areas with carbon sequestration potential are **protected** as carbon sinks.

# Development of the NDCs was guided by national policy:



Environmental  
Protection and  
Management  
Act 2015 (EPMA)

Medium Term  
Development  
Strategy

Department of  
Environment  
(DOE) Core Work  
Programme



Antigua and Barbuda delegation help to advance work under the Paris Climate Agreement at the UN Environment Climate Convention negotiations in Bonn, Germany 2018.

# Projects



Resilience to hurricanes, floods and droughts in the building sector in Antigua and Barbuda (GCF Build)

Integrated physical adaptation and community resilience through an enhanced direct access pilot in the public, private, and civil society sectors of three Eastern Caribbean small island developing states (EDA)

Sustainable Integrated Water Resources Management to Build Resilience to Climate Change in the Water Sector of Antigua and Barbuda

Circular economy approach to reducing emissions in the waste sector of Antigua and Barbuda

Enabling energy sector transformation to decouple economic growth and GHG emissions in Antigua and Barbuda

Mainstreaming climate change in the financial sector of Antigua and Barbuda



Antigua Barbuda Department of Environment hands over electric vehicle to Minister of Health and Environment Molwyn Joseph

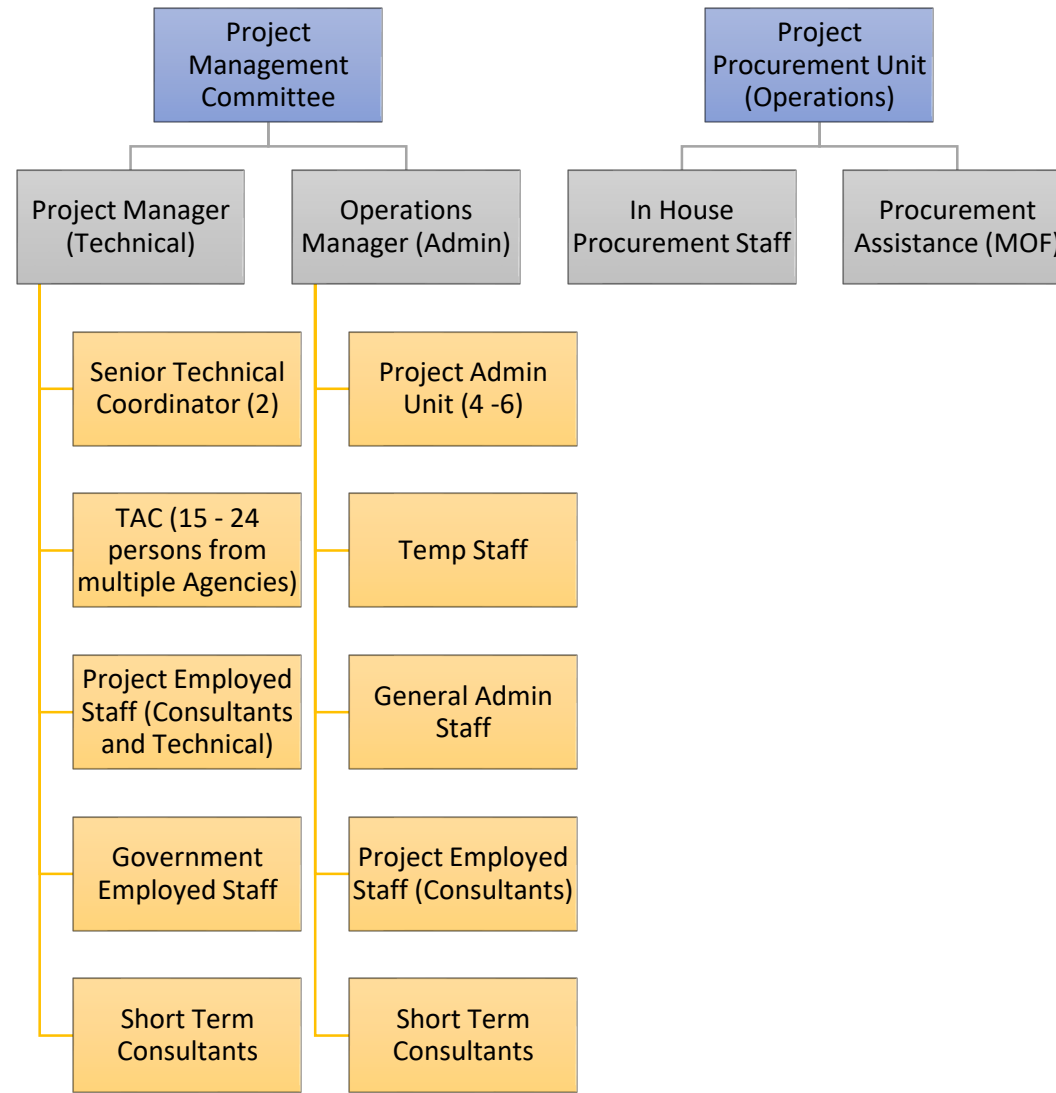
# Structure of the DOE Project Unit



- Technical Advisory Committee (TAC)
- Project Management Committee (PMC)
- Project Management Unit (PMU)



# Project Management Unit





# Challenges

---

Data collection

---

Renewable energy and the grid

---

Inability to achieve economies of scale



## Lessons Learned

---

### Stakeholder engagement

---

Set targets that can actually be measured and for which baseline data exists or can be gathered