



CTCN Impact Description

Technical Assistance for Resilience to Climate Variability in the Building Sector of Antigua and Barbuda

Submitted to

**Climate Technology Centre and Network
United Nations Industrial Development Organization**

By

ECMC

1st Flr. Marie-Colette Building | #9 Lawjanv Crescent | Rodney Bay Commercial Blvd.
P O Box RB 2446 | Rodney Bay Post Office | Gros Islet | LC01 401 | Saint Lucia
t: 758-453-2093 | f: 758-452-1731 | e: ecmc@candw.lc | w: www.ecmcstlucia.com

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V01	July 13, 2018	CTCN Impact Description	Sandry Bry	Adaptation Coordinator LAC & West Africa UNFCCC CTCN
V02	July 25, 2018	Revised CTCN Impact Description	Sandry Bry	Adaptation Coordinator LAC & West Africa UNFCCC CTCN



This CTCN Impact Description was prepared using the following documents:

- Terms of Reference for the Technical Assistance;
- Response Plan for the Technical Assistance;
- Antigua and Barbuda’s Intended National Determined Contribution (2015).
- Example of a TA Impact Description: https://www.ctc-n.org/sites/www.ctc-n.org/files/benin_a_ag_forestry.final_.pdf

<p>Challenge: Approx. 500 characters with spaces</p>	<p>Hurricanes, floods and droughts are becoming increasingly destructive in Antigua and Barbuda. In September 2017, Hurricane Irma left behind three casualties, 1,800 evacuated inhabitants and 95 per cent of Barbuda's buildings and infrastructure damaged or destroyed. It is crucial that the country manages the reconstruction of key public buildings by “building back better”, ensuring that critical public service buildings and emergency services can withstand major local disasters.</p>
<p>CTCN Assistance: 2 to 4 bullet points. Approximately 450 characters with spaces</p>	<ul style="list-style-type: none"> • Technical and strategic input into ongoing Antigua and Barbuda Government led adaptation policy and planning processes and funding proposals • Technical assessment of the structural damage of up to 30 public buildings • Development of 30 detailed work packages for insertion into bid documents • Building the capacity of the national workforce through practical experience under expert guidance
<p>Anticipated impact: 2 to 4 bullet points to summarise anticipated impact. Approximately 250 characters with spaces. As a minimum, please include one of the following: i) Quantity of greenhouse gas emissions reduced, avoided or sequestered; or ii) Number of people with increased capacity to adapt to the impacts of climate variability and change.</p>	<ul style="list-style-type: none"> • 30 public buildings rehabilitated/retrofit • Training of at least 5 engineers in the Antigua and Barbuda government to undertake site inspections and develop work packages • \$35 million USD investment from Global Climate Fund leveraged through technical assistance • Enhanced capacity of national workforce to apply the work packages to other municipal buildings • Increased resilience of infrastructure in Antigua and Barbuda to extreme climate events
<p>Linkages and contribution to NDC: 2 to 4 bullet points. Approximately 350 characters with spaces</p>	<p>The Assistance Supports Antigua and Barbuda’s Nationally Determined Contribution to:</p> <ul style="list-style-type: none"> • Improve and prepare all buildings for extreme climate events including drought, flooding and hurricanes by 2030 • Meet 100% of electricity demand in the water sector and other essential services through off-grid renewable sources



<p>The narrative story: Approximately 1200 characters with spaces</p>	<p>It is crucial that Antigua and Barbuda manages the reconstruction of key public buildings by "building back better". Antigua and Barbuda is seeking to avoid major destruction during potential future climate induced disasters. In order to lead a sustainable reconstruction process that reflects projected climate change impacts, Antigua and Barbuda needs support with assessments and recommendations related to adaptation of infrastructure, disaster resilience of building structures, and availability of key services during and post-emergency situations.</p> <p>The CTCN Technical Assistance will enable the counterparts from Antigua and Barbuda to identify the most relevant adaptive measures for the climate resiliency of public buildings. The outputs will be used by the authorities in Antigua and Barbuda for insertion into bid documents; as guidance for further funding proposals, investment plans, and for future design and structural specifications of public buildings; for policy and strategic development; implementation of reconstruction of public buildings in Antigua and Barbuda; and for monitoring and operations.</p>
<p>Contribution to SDGs: Always include contribution to SDG 13, and to the extent possible, please include contribution to 2 other SDGs, describing the contribution with a few sentence for each SDGs concerned. A complete list of SDGs and their targets is available here: https://sustainabledevelopment.un.org/partnership/register/</p>	<ul style="list-style-type: none"> • SDG 13 – the Technical Assistance will enable Antigua and Barbuda to implement adaptive measures for climate resiliency of public buildings • SDG 9 – the technical assessments will consider resilience to several hazards including hurricanes, flooding and earthquakes • SDG 7 – the Technical Assistance will support a planned intervention under a proposal titled “Transitioning Antigua and Barbuda’s off-grid diesel generation to low-carbon wind, solar, battery and hybrid renewable systems for critical services” by helping prepare the targeted buildings for energy investment