

FP133

Resilience to hurricanes in the building sector in Antigua and Barbuda

Annual Performance Report CY2022

## APR CY2022 Section 1: General Information - v3 2024-01-17 01:07 +09:00

### [APR CY2022] Section 1: General Information

Please note that this is section 1 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

#### Reporting Year \*

Please indicate reporting year

#### 1.1 Please indicate if information provided in this APR is disclosable outside the Green Climate Fund. \*

- Yes - The Accredited Entity agrees that the information reported is disclosable.  
 No - The information reported is partly confidential. The disclosable version of the APR will be attached.

If you select the second option [No - The information reported is partly confidential. The disclosable version of the APR will be attached], please follow the below steps.

- Step 1: Fill in all the sections of the APR with disclosable information.
- Step 2: Save each section using the 'PDF' function provided in the top-right corner. (Do NOT submit an APR at this step).
- Step 3: Attach all of the disclosable sections to the attachment boxes below, which will be shown once you check the second option only.
- Step 4: Update all the sections of the APR with non-disclosable information.
- Step 5: Submit the non-disclosable APR which herein enclose the disclosable APR in PDF format.

#### 1.2 Please indicate if this report has been shared with the relevant NDA(s) for this Funded Activity

Once the APR is created in the PPMS, please use the 'Open as PDF' function to download the report in PDF format and to share with relevant authorities (i.e. NDAs) before submission. Select 'Yes' only if shared to ALL the relevant NDA(s).

#### Please Indicate the date of submission to NDA(s)

If the APR is submitted to multiple NDAs, please indicate the latest date of submission to NDA, and provide the other dates per NDA in the further explanation box below.

#### Please provide further explanation, if any:

#### 1.3 Funded Activity Title (Project/Programme Title)

#### 1.4 Funding Proposal Reference Number

#### 1.5 Board Meeting Number

#### 1.6 Accredited Entity contacts for this APR

##### Full Name

Please confirm if the pre-filled name of Executing Entity(es) indicated in the funding proposal document is correct. Please update the information accordingly if there have been any changes since the project implementation. In addition, please clarify the Executing Entity(es) name precisely if needed. For example, if 'local financial institutions' was indicated as an EE in the funding proposal, please put their exact names here. You may want to add/remove rows if needed.

**E-mail Address**

Diann.Black-Layne@ab.gov.ag

**Phone Number**

+ 1 (268) 462-4625

**Full Name**

Jasiel Murphy

Please confirm if the pre-filled name of Executing Entity(es) indicated in the funding proposal document is correct. Please update the information accordingly if there have been any changes since the project implementation. In addition, please clarify the Executing Entity(es) name precisely if needed. For example, if 'local financial institutions' was indicated as an EE in the funding proposal, please put their exact names here. You may want to add/remove rows if needed.

**E-mail Address**

jasiel.murphy@ab.gov.ag

**Phone Number**

+ 1 (268) 462-4625

**1.7 Executing Entity(ies)****Full Name of Executing Entity**

Ministry of Finance Project Management Unit

Please confirm if the pre-filled name of Executing Entity(es) indicated in the funding proposal document is correct. Please update the information accordingly if there have been any changes since the project implementation. In addition, please clarify the Executing Entity(es) name precisely if needed. For example, if 'local financial institutions' was indicated as an EE in the funding proposal, please put their exact names here. You may want to add/remove rows if needed.

**Please write the name of the country where the Executing Entity is headquartered.**

Antigua and Barbuda

**1.8 Project Duration****From**

2021-07-21

**To**

2027-07-21

**Check if the extension request for the project duration was approved by the Secretariat during the reporting period.**

Please reach out to the GCF portfolio managers if you need an extension

 Yes (it was extended)

 No
**1.9 Current Year of Implementation**

2

Indicate the year number, e.g., '2'

**1.10 Annual reporting period covered in this report****From**

2022-01-01

**To**

2022-12-31

**Confirmation and Acknowledgement of Information \***

\* This is a required question to submit section 1 of the Annual Performance Report (APR).

 The accredited entity hereby confirms that the information provided in section 1 is complete and ready for submission.

## APR CY2022 Section 2: Implementation Progress - v3 2024-01-17 01:07 +09:00

### [APR CY2022] Section 2: Implementation Progress

Please note that this is section 2 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

#### 2.1 Overall (summary) project progress

The Resilience to hurricanes in the building sector in Antigua and Barbuda (FP133) became effective on Jul 21, 2021. This report, which provides a summary of implementation progress, covers the reporting period of January 1, 2022 – December 31, 2022. Overall, the project is about 4% complete with most of the activities still in the planning stages. The planning stages included recruitment of Project Management Unit (PMU) staffing, co-financing programming from the Government (this is done on an annual basis); the training of the Ministry of Finance's Project Management Unit (MOF-PMU) in line with the standards and procedures of the Green Climate Fund (GCF) with support from the NDC Partnership; introduction of additional procedures within the contracts for consultants and contractors to ensure that all of the prohibitive practices and necessary remedies are approved by the Cabinet; revision of the procurement plan to incorporate the principles of sustainable procurement with social inclusion, while building the capacity of the labour force that needs transitioning. These procedures are being carefully added to fully incorporate the new targets for the country's Nationally Determined Contributions (NDCs) and the commitment of the Government of Antigua and Barbuda (GOAB) to integrate social inclusion into all of its projects and programmes.

#### **OUTPUT 1: Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events.**

Of the 52 priority buildings, the GOAB, in discussion with the Accredited Entity (AE) and the Executing Entity (EE), has decided that the best course of action is to ensure that it meets its co-financing obligations to determine which buildings will be undertaken by the GOAB and the project team, respectively. This exercise is not fully completed – as the Project Steering Committee (PSC) and the AE must finalize this arrangement – but it is expected that it should be completed within the second quarter of 2023. The delay in this process is due to recent elections in Antigua and Barbuda, which caused an approximate 3-month halt in this process. At the time of the second Annual Progress Report (APR2), the Project settled on at least 10 of the 52 buildings in which the Government will undertake works, thus bringing the GOAB within 50% of co-financing (co-financing is approximately 13M USD). At the time of this report, work commenced on four of the priority buildings that were selected for the GOAB to undertake works.

1. Further to the execution of *Sub-activity 1.1.2* (Install climate-proofing measures on 52 priority buildings): The GOAB commenced general structural repairs/upgrades of four priority buildings during this reporting period (Bolans Health Clinic, Her Majesty's Prison, All Saints Police Station and the Royal Police Force of Antigua and Barbuda Headquarters). These repairs will ensure that the buildings listed are prepared to receive climate change adaptation interventions as per the FP133 requirements. The total amounts of the contracts for these buildings is USD2,795,616.
2. Engagement of a consultant to conduct hydrological assessments of the 52 project buildings and to deliver stormwater drainage solutions for those buildings located in inundation zones or otherwise at risk of flooding, pursuant to **Sub-activity 1.1.6** (stormwater drainage solutions designed for 14 buildings in flood risk areas): Deliverables submitted thus far include (i) site-specific drainage report for 52 buildings and a ranking of priority buildings based on the flood risk identified, and (ii) stormwater drainage system/solution design report, including engineering drawings for each of the buildings identified as being in flood risk areas.
3. Increasing the paradigm shift potential of the project by expanding the project's impact without increasing costs via a revision of procurement of the expertise needed for the project **Sub-activity 1.3.1** (detailed design and construction plan completed for the climate-resilient bunker): This revision will contribute significantly to building climate resilience within Antigua and Barbuda's health sector. The initial design of the climate-resilient bunker envisioned the construction of an 8,050 sq. ft bunker to store emergency supplies for the health, energy, building and welfare sectors. However, the Antigua and Barbuda Central Medical Procurement Unit (ABCMPU) is responsible for the procurement, storage and distribution of all pharmaceutical and medical supplies nationally and is housed in a facility that was assessed as vulnerable to climate change impacts (due in large part to its location and proximity to the coast). The Project team revised this sub-activity to increase the project's impact potential without increasing the base cost. The project will now upgrade a facility that is owned by the Medical Benefits Scheme (a state-owned/statutory enterprise) that provides the funding for pharmaceutical suppliers and is situated on lands owned by the Government. The sub-activity is now designed to deliver a 40,000 sq. ft facility that is Category 5 hurricane resilient. Within this facility, the Project will have the 8000 sq. ft climate resilient bunker while simultaneously addressing the climate change vulnerability exposure of the ABCMPU.

8. Further, to maximize the paradigm shift, the procurement process initiated for the execution of Sub-activities: **1.1.1** (52 site-specific engineering designs for climate-proofing the 52 priority buildings), **1.1.3** (site-specific operational procedures developed for long-term maintenance of climate-proofing interventions for each priority building and integrated into the project O&M Framework), **1.2.1** (detailed, site-specific construction plans developed for hurricane shelters at five public clinics), **1.3.1** (detailed design and construction plan completed for the climate-resilient bunker), **1.1.6** (Water harvesting solutions designed for 52 priority buildings) and **1.4.3** (Physical protection measures designed for critical IT infrastructure): The Accredited Entity decided to temporarily suspend and restructure the procurement based on three contributing factors– (i) new procurement risks that were discovered during the procurement process; (ii) the need to strengthen provisioning for capacity building to better meet local needs, thereby ensuring the sustainability of the project outcomes after project completion, and (iii) the need to strengthen provisions for increasing female participation in activities related to Component 1, particularly those which have been traditionally male dominated. These issues were addressed in the restructured procurement. FP133 will utilize these revisions in the procurement process, and integrate them in regulations, and policies to maximize the paradigm shift potential of the project.
9. **Sub-activity 1.1.4** (Climate-resilient renewable energy solutions designed for 34 priority buildings, taking into consideration energy efficiency (EE) and indoor air quality of those buildings that have heating, ventilation and air conditioning (HVAC) systems): Led by the GCF Build Technical Advisor (Renewable Energy), the project team conducted site assessments of all 52 priority buildings and completed the collection and analysis of energy consumption, energy efficiency and indoor air quality baseline data. This exercise is meant to inform the recommendation of which renewable energy systems, energy efficiency measures and other technologies that should be utilized in each of the buildings. This sub-activity will be executed with technical assistance provided by the National Renewable Energy Laboratory (NREL) based in the United States. An Inception Report and workplan have been submitted and are currently under review by the AE. Although, this sub-activity was one of the planned activities for the implementation period, the electrical designs from **Sub-activity 1.1.1** will be required as inputs to execute this consultancy (renewable energy systems designs).

Baseline information on **Output 1** has been completed to show indoor air quality, use of electricity and the specific interventions needed per building, as well as the flooding risks and mitigation measures. The flood risk mitigation measures for the buildings are still being calculated. A framework agreement is being negotiated with a consultant to prepare the Environmental and Social Impact Assessments (ESIAs) and the Environmental and Social Management Plan (ESMP) for each of the sites. As mentioned above, the AE has also been in communication with NREL to provide technical assistance for the design and implementation of the RE systems to meet the necessary hurricane standards.

#### Lessons Learnt

During the procurement process, as highlighted in point no.4 above, it was identified that a full market assessment for architectural services was not available. This posed some challenge to the evaluation of the bids based on social inclusion and gender principles. Coupled with this challenge was the impact of COVID-19, which has led to significant price increases across the entire construction industry. The procurement was cancelled, restructured, and reissued.

#### Mitigation Measures

The AE is working to conduct a detailed market survey to better understand the number of women and youth in the market, and how to effectively crowd them into the procurement process. The procurement process is not a standard practice in Antigua and Barbuda, therefore, the current bidders bid as high as possible since there is essentially no competition. The AE is concerned about value for money and will be taking time to ensure the implementation of social inclusion and gender principles into the procurement process.

There was no other progress on the other activities under Component 1 during this APR reporting period.

#### **OUTPUT 2: Climate change adaptation mainstreamed into the building sector and relevant financial mechanisms.**

This component is about 5% complete, and like **Output 1**, most of the reporting period involved conducting consultations and procurement activities. During this reporting period, several procurement activities were completed, including:

- **Sub-activity 2.1.1** (*Regulations drafted for the Physical Planning Act (2003) that makes provision for the Building Code for submission to parliament*): The project team engaged implementing partner, the Development Control Authority (DCA), in a workshop to sensitize the agency about the GCF Build Project and to assess any changes in the state of affairs during the time that had elapsed between the development of the Funding Proposal and

procurement of the consultant to execute this sub-activity. This was necessary to properly inform the scope of works for this consultancy.

- **Sub-activity 2.1.2** (*Strategic Impact Assessment (SIA) of the building code regulations conducted*):  
The delay in this sub-activity was due to uncontrollable factors that necessitated the tendering of the Request for Proposal (RFP) for the execution of this activity, twice – In the first instance, no bids were received on the first publication and; upon re-issuing the RFP once more, one bid was received. Contract negotiations are currently in progress.
- **Sub-activity 2.1.3** (*Recommendations made for the EMS Plans to be updated to include climate change adaptation measures for the building sector*):  
Through a situational assessment, the project team indicated that there were no Environmental Management System (EMS) plans for any of the 52 targeted buildings. The project team has identified EMS focal points for all priority buildings, and through collaborative efforts with the Department of Environment, these focal points will be sensitized as to their obligations under the Environmental Protection and Management Act (2019) and capacity will be built to develop their respective Environmental Management Plans.
- **Activity 2.2:** Procurement got underway for the execution of the Sustainable Island Resources Framework (SIRF) Fund evaluation for the development and packaging of lessons learnt, best practices and training tools to meet the outputs of this activity and for dissemination across the region. The contract with the selected consultant (Le Groupe-conseil Baastel) was signed on December 8th.
- **Activity 2.3** (*train relevant staff from the National Office of Disaster Services (NODS), Development Control Authority (DCA) and the Public Works Department (PWD) as well as the private sector on operational procedures for long-term monitoring, maintenance and upscaling of climate-resilient renewable energy (RE) and water harvesting technologies in accordance with the national building code*):  
Discussions held between the project team and the DCA that covered matters including: (a) assessing, calculating and reporting on the incremental cost of adaptation in public sector projects for the purposes of tracking the implementation of Article 2.1c of the Paris Agreement (b) building capacity to implement the updated building codes and regulations to assess planning applications; and (c) providing trained technical assistance to the SIRF Fund in the evaluation of private sector applications for loans and grants.
- **Sub-activity 2.3.4** (*Gender-sensitive awareness campaign designed targeting the public and private sectors on the updated Building Code, the benefits of taking up climate-adaptive solutions within the building sector as well as the availability of certified climate change courses*):  
This sub-activity is delayed since the content and scheduling of public awareness campaigns are dependent on progress with Sub-activity 2.4.2.
- **Activity 2.4** seeks to train the local workforce on the installation, operation and maintenance of climate proofing measures, however, the project team determined that capacity building should be with designing the climate proofing measures. This will increase the project's contribution to the creation of an enabling environment to better sustain the project's outcomes and results beyond completion.

Consultations were held with delivery partners, the University of the West Indies Five Islands Campus (UWIFIC), the Antigua and Barbuda Institute of Continuing Education (ABICE), the Antigua and Barbuda International Institute of Technology (ABIIT) and the Antigua State College (ASC). UWI-FIC is meant to develop the training modules, while all four institutions – UWIFIC, ABICE, ABIIT and ASC - will deliver the training. There were significant delays in operationalizing a memorandum of understanding (MOU) between the DOE ATG, Ministry of Finance, and UWIFIC. The Project Team has since sought an alternative delivery mode to engage the UWIFIC, which would involve a much shorter turnaround time.
- **Sub-activity 2.4.2** (*Training modules developed in line with regional and international occupational standards for climate change adaptation in the building sector*):  
During the implementation period, Memorandum of Understandings (MOUs) were drafted for the Antigua and Barbuda Institute of Continuing Education (ABICE) – the country's lone technical and vocational education and training institution— and another drafted for the UWI-FI. These MOUs were done in collaboration with the DOE, ABICE, and MOF-PMU and UWI-FI to prepare the workforce for Antigua and Barbuda's renewable energy transition to reduce national greenhouse gas emissions and adapt to the negative impacts of climate change in line with the UNFCCC's Paris Agreement 2015.
- **Sub-activity 2.4.4:** *Awareness building campaigns designed on the opportunity for training on the installation, operation and maintenance of climate change adaptation technologies in the building sector, with the support of training institutions:*  
This sub-activity was delayed since the content and scheduling of awareness building campaigns are dependent on progress with sub-activity 2.4.2.

**OUTPUT 3: Climate information services strengthened to facilitate early action.**

Output 3 is about 6% completed and like other outputs most of the activities during the reporting period were under planning and consultation. Activities conducted included:

- **Sub-activity 3.1.1** (*Centralised online server established to enhance real-time processing of climate data*):  
During the intervening period between the development of the Funding Proposal and the beginning of project implementation, the Antigua and Barbuda Meteorological Services (ABMS) acquired the centralized online server; however, operations were being hampered by the lack of a backup power supply. The project has procured a UPS battery backup for the ABMS.
- **Sub-activity 3.1.2** (*Technical capacity of staff within ABMS strengthened to collect, process and manage climate data in real time*):  
The ABMS indicated that staff constraints impeded the execution of workshop training sessions. Consequently, the decision was taken to support six existing ABMS staff previously enrolled in educational institutions, with scholarships to continue their studies in areas which will strengthen the ABMS' capacity to collect, process and manage climate data in real time.
- **Sub-activity 3.1.3** (*MoU signed for the knowledge exchange trip to the nearest Regional Climate Centre under the auspices of the World Meteorological Organization (WMO) conducted to strengthen the technical and institutional capacity within ABMS for impact-based forecasting*):  
Staff constraints at the ABMS prevented the execution of this sub-activity as this would restrict the ability of the ABMS to deliver the services they are legally obligated to deliver.

#### Project ESS & Gender

- **4.1.1 Changes in the key environmental and social risks and impacts**  
There are currently no changes in the key environmental and social risks and impacts as identified and arising from implementation.
- **4.1.2 Compliance with applicable laws and regulations as well as the relevant conditions or covenants under the Funded Activity Agreement (FAA)**  
The Project is compliant with the following:
  - Covenant 10.02 (f)
  - Covenant 10.02 (g)
  - Covenant 10.02 (h) - No acquisition of land will be required for the execution of the Funded Activity

The Project is in the process of completing the following:

  - Covenant 10.01 (k) - The project currently has an ESS & Gender Officer who is monitoring the Gender Action Plan (GAP) to ensure compliance
  - Covenant 10.01 (l) - The project has a dedicated ESS & Gender Officer who is tasked with monitoring compliance with GCF principles and requirements, including the Updated Gender Policy. The Project team adheres to the AE's ESS & Gender Policies, which are in line with the principles of the GCF Gender Policy

The following activities have not yet started:

  - Covenant 10.02 (i)
  - Covenant 10.02 (j)
  - Covenant 10.01 (t)
  - Delivery to the Fund by the AE of a full design for each priority building commensurate with international standards, and confirmation to the GCF that such designs have been approved by the DCA of Antigua and Barbuda
- **4.13 Implementation of ESMP during the Reporting Period**  
Regarding opening and competitive bidding, the Project is compliant, and all Terms of References (TORs) issued include equal opportunity clauses
- **4.1.4 How the GCF Independent Redress Mechanism and AE's Grievance Redress Mechanism (GRM) is Brought to the Attention of Stakeholders.** Project EEs and key stakeholders were informed of the GCF's policies relating to grievance and redress during project development, post approval, and at the three-day Inception Workshop. The GCF-Build Project Team and local consultants are set to receive training on the AE's Grievance Redress Mechanism in 2023. The DOE's website also provide access to the AE's GRM.

- **4.1.5 Relevant Stakeholder Engagement in the Project ESS & Gender Elements During the Reporting Period**

Sub-activity 2.4.3 is currently being worked on and a draft Concept Note has been completed. Information on the Apprenticeship Program was shared with the focal points of several schools. The Defense Force has also agreed to participate in the programme to receive training and assist in the execution of sections of Component 1

- **4.1.6. List of Grievances Received in the Reporting Period**

No complaints were submitted during this reporting period

- **4.2 Gender Action Plan**

- Sub-activity 2.4.3 (indicator: Percentage of women who completed the apprenticeship programme). The concept note for this activity has been drafted and is currently under review

- Sub-activity 2.2.4 (indicator: Ensure that 50% of SIRFF applicants are women annually). The SIRF Fund annual report notes that 66 men applied and were approved while there were 131 women who applied and were approved)

- (indicator: A balance of men and women on the Project Management Team). The project team is almost at a balance with six women and four men

- (indicator: At least two special needs persons work on the project management team by project end. Secure special provisions to facilitate persons under the age of 24 and over 60 to work on the Project team). Project team includes one worker under the age of 24 and one worker over the age of 60.

The Project procured three interns for the summer period to perform data collection. All were under the age of 24

### **Project M&E**

With respect to the Monitoring Plan, the project team collected and analyzed data to address the baseline data gaps documented in the FP with respect to the following indicators: (i) Change in the level of awareness and understanding of updated building codes for government officials in Ministry of Works and Development Control Authority as well as building inspectors, engineers, architects and draughtsman and (ii) Change in response times of critical service providers and NODS to alerts and warnings received, % of early response protocols actioned through the formal communication protocols.

Additionally, activities undertaken during the reporting period would have had a positive effect on the following indicators: (i) A3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits; (ii) A5.1 Institutional and regulatory systems that improve incentives for climate resilience and their effective implementation; (iii) A6.1 Use of climate information products/services in decision-making in climate sensitive sectors and (iv) Number of priority buildings that can reopen within 2 days after a category 4 or 5 hurricane and be fully functional to serve vulnerable persons.

With respect to the GCF's core indicator targets, the project's performance indicators and the fund level impacts and outcomes – they remain consistent with the FP.

Generally, therefore, the project's performance against the GCF investment criteria is expected to remain the same as articulated in the FP and the project is on target to reach these criteria.

Provide a narrative report describing the overall progress on the implementation of the funded activity, focusing on implementation achievements, delays, and challenges according to the planned activities. For project/programme with on-lending and equity investment into the projects or companies, kindly provide information on the projects/companies where such investment was made during the calendar year including the implementation status of the invested project or companies' operation. As relevant, include references to other sections of this report (including Annexes or Attachments). Include a description of key milestones of the funded activity achieved during this reporting year (for example, during 2022 only) including any deviations from original expectations. Also, describe challenges encountered and actions undertaken to resolve these challenges, and lessons learned during the implementation, including issues related to non-compliance with GCF standards or conditions, if any. In parallel, include positive achievements and better-than-expected results. If any issues have arisen in the last twelve (12) months of implementation that may result in a change to the scope and/or timing of the project, please provide a description of those items and how they have impacted the implementation period and final targets. Kindly make sure that this section just gives an overall summary and doesn't have overlap with other sections.

## **2.2 Performance against the GCF investment criteria (summary)**

Antigua and Barbuda is a small, open economy that is incredibly susceptible to external shocks. During the reporting period, inflationary conditions brought on by the COVID-19 pandemic, along with other global events, caused unprecedented inflation rates (approximately 7.5% for the period January 2022 – December 2022 compared to a 10-year average of approximately 1.6%). Although procurement of goods has yet to begin in earnest, and it is impossible to predict market behaviour, trends in commodity prices suggest that cost of goods and services are likely to be markedly higher than those prevailing at the time of project development. There is a probability that contingencies will have to be accessed in order to meet increasing costs of goods; further, it is difficult to determine at this point in time whether the contingencies will be sufficient to offset the impacts of inflation on the project budget.

In the event that contingencies are inadequate to offset inflationary impacts, it is likely that this will impact project scope – the bulk of the impact is likely to be felt in Component 1 (Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events). Notwithstanding this, there were no changes in project design or scope. This will be better assessed in upcoming reporting and implementation periods. The project's activities remain as defined and scoped in the Funding Proposal (FP). Similarly, the GCF's core indicator targets, the project's performance indicators, the Fund level impacts and outcomes remain unchanged. Though, there is potential for inflation (as described above) to impact the core indicator targets, Fund level impacts and project performance indicators.

Provide a narrative report describing the progress on the funded activity's performance against the GCF investment criteria framework. The performance should be compared against the initial assessment provided in the Board-approved Funding Proposal (section E). The list of the investment criteria as per the current framework is provided below. For each investment criteria outlined below, please include an assessment of current status, changes, progress and impact of the project as well as any impact of project context on the project during this reporting period against the initial baseline scenario and planned activities as per the assessment presented in the approved Funding Proposal. This sub-section 2.2 is not applicable for REDD+ Results-Based Payments Projects. Please write 'Not Applicable' as the response.

### Relevant Links

[The GCF investment criteria framework](#)

#### 2.2.1 Impact Potential ?

1. Work undertaken in **Sub-activity 2.1.3** (*Recommendations made for the EMS Plans to be updated to include climate change adaptation measures for the building sector*), will position the project to assess the mitigation impact potential i.e., expected tonnes of carbon dioxide equivalent (t CO<sub>2</sub> eq) to be reduced or avoided (annually - 1,923 t CO<sub>2</sub> eq and 38,460 t CO<sub>2</sub> eq over the lifetime of the assets). This impact potential remains the same.

2. Adaptation impacts (listed below) are not expected to be affected:

Progress made with **Sub-activity 2.1.1** (Regulations drafted for the Physical Planning Act (2003) that makes provision for the Building Code for submission to parliament) and **Sub-activity 2.1.2** (Strategic Impact Assessment (SIA) of the building code regulations conducted) will contribute to the project's anticipated adaptation impact of expected strengthening of institutional and regulatory systems for climate-responsive planning and development. These two sub-activities will lead to the generation of regulations to operationalize the upgraded Building Code, thereby, strengthening the national institutional framework to better respond to the impacts of climate change, in this case more intense hurricanes.

Additionally, **Sub-activity 2.1.3** (Recommendations made for the EMS Plans to be updated to include climate change adaptation measures for the building sector) contributes to the project's anticipated adaptation impact of expected strengthening of institutional and regulatory systems for climate-responsive planning and development by equipping decision-makers within the Environmental Management Systems to facilitate climate-responsive planning at the institutional level and by extension.

#### 2.2.2 Paradigm shift potential ?

This project is envisioned to catalyze a paradigm shift within Antigua and Barbuda's building sector from conventional development to an approach that prioritizes the adoption of innovative climate-resilient solutions and early action. During the reporting period, progress with respect to **Sub-activity 1.1.3** (site-specific operational procedures developed for long-term maintenance of climate-proofing interventions for each priority building and integrated into the project O&M Framework) and **Sub-activity 2.4.2** (Training modules developed in line with regional and international occupational standards for climate change adaptation in the building sector) initiated the process of sustainably building capacity nationally thereby jump-starting the project's anticipated paradigm shift in areas of potential for scaling up, replication and the creation of an enabling environment.

### 2.2.3 Sustainable development potential <sup>2</sup>

Activities undertaken during the reporting period made contributions to the five of the eight UN Sustainable Development Goals (SDGs), which the project intended to make contributions to as described below:

#### SDG 3 – Good health and well-being.

Progress made with **Sub-activity 1.1.6** (stormwater drainage solutions designed for buildings in flood risk areas) identified 12 public and community buildings in inundation zones and will design interventions to reduce flooding in these areas. This sub-activity contributes to target 3.3 of SDG 3 (ending water-borne diseases and other communicable diseases). Additionally, there is now potential for positive externalities in the health sector and increases in the social co-benefits of the project as it is now poised to significantly reduce the vulnerability of the Antigua and Barbuda Central Medical Procurement Unit (ABCMPU) to climate change impacts under **Sub-activity 1.3.1**. With respect to the SDGs, this activity will contribute to SDG 3 (good health and well-being) and in particular to SDG Target 3.D, which aims at strengthening the capacity of all countries, in particular developing countries, for early warning, risk reduction and management of national and global health risks. One of the main national health risks is the climate vulnerability of the ABCMPU, which is responsible for the procurement, storage and distribution of all pharmaceutical and medical supplies nationally.

#### SDG 4 – Quality education.

Progress made with **Activity 2.4** (train the local workforce on the installation, operation and maintenance of climate proofing measures) through consultations with delivery partners (the University of the West Indies Five Islands Campus (UWIFIC), the Antigua and Barbuda Institute of Continuing Education (ABICE), the Antigua and Barbuda International Institute of Technology (ABIIT) and the Antigua State College (ASC)) and the drafting of the MOU, contributes to ensuring equal access for all women and men to affordable and quality technical, vocational and tertiary education, and also ensuring that all learners acquire the knowledge and skills needed to promote sustainable development. The GCF Build project will also benefit from a partnership that the GOAB is establishing with the National Renewable Energy Laboratory (NREL) to develop a RE training curriculum that includes train-the-trainers module. A draft workplan for this work started in the reporting period.

#### SDG 6 – Clean water and sanitation.

Progress made with activities undertaken under **sub-activity 1.1.6** (Water harvesting solutions designed for 51 priority buildings) and **sub-activity 1.3.1** (Detailed design and construction plan completed for the climate-resilient bunker). These sub-activities contribute to SDG 6 nationally by beginning the preparatory work necessary to increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity, as well as substantially reducing the number of people suffering from water scarcity (consistent with SDG Target 6.4). Further, progress made with **sub-activity 1.1.3** (site-specific operational procedures developed for long-term maintenance of climate-proofing interventions for each priority building and integrated into the project O&M Framework) lays the groundwork for the project's contribution to the established and operational policies and procedures for water and sanitation management consistent with SDG Target 6.b .

#### SDG 7 – Affordable and clean energy.

Progress made with **sub-activity 1.1.4** (Climate-resilient renewable energy solutions designed for 34 priority buildings taking into consideration energy efficiency (EE) and indoor air quality of those buildings that have heating, ventilation and air conditioning (HVAC) systems) contributes to the achievement of this SDG. Though, the RE solutions have not yet been designed, progress achieved to date nonetheless contributes in a preparatory manner to ensuring universal access to affordable, reliable and modern energy services, increasing the share of renewable energy in the national energy mix and expanding the infrastructure and upgrade technology for supplying RE nationally.

#### SDG 13 – Climate action.

Progress made with **sub-activity 2.1.1** (Regulations drafted for the Physical Planning Act (2003) that makes provision for the Building Code for submission to parliament), **sub-activity 2.1.2** (Strategic Impact Assessment (SIA) of the building code regulations conducted) has contributed to strengthening the country's adaptive capacity to climate related hazards and also contributes to improving the country's institutional capacity for climate change adaptation and impact reduction, primarily through the operationalization of an revised Building Code. Additionally, progress made with **sub-activity 2.1.3** (Recommendations made for the EMS Plans to be updated to include climate change adaptation measures for the building sector) contributes to improving institutional capacity on climate change mitigation while progress made with **sub-activity 3.1.1** (Centralised online server established to enhance real-time processing of climate data) and **sub-activity 3.1.2** (Technical capacity of staff within ABMS strengthened to collect, process and manage climate data in real time) contributes to improving institutional capacity on early warning, all consistent with the SDG 13 targets.

Moreover, the project is set to achieve numerous environmental, social and economic co-benefits as well as a gender-sensitive development impact.

### 2.2.4 Needs of the recipient ?

One of the ways in which the project aims to target the needs of the recipient is by enhancing the country's institutional capacity to adapt and respond to the various impacts of climate change. During the reporting period, progress made with **sub-activity 2.1.1** (Regulations drafted for the Physical Planning Act (2003) that makes provision for the Building Code for submission to parliament), **sub-activity 2.1.2** (Strategic Impact Assessment (SIA) of the building code regulations conducted), **sub-activity 2.1.3** (Recommendations made for the EMS Plans to be updated to include climate change adaptation measures for the building sector), **sub-activity 3.1.1** (Centralised online server established to enhance real-time processing of climate data) and **sub-activity 3.1.2** (Technical capacity of staff within ABMS strengthened to collect, process and manage climate data in real time) to enhancing the country's institutional capacity to adapt and respond to the various impacts of climate change.

A second way in which the project aims to target needs of the recipient is by addressing the vulnerability of the country and specific beneficiary groups to climate change impacts. During the reporting period, progress made with **sub-activity 1.1.1** (52 site-specific engineering designs for climate-proofing the 52 priority buildings), **sub-activity 1.1.4** (Climate-resilient renewable energy solutions designed for 34 priority buildings taking into consideration energy efficiency (EE) and indoor air quality of those buildings that have heating, ventilation and air conditioning (HVAC) systems), **sub-activity 1.1.6** (stormwater drainage solutions designed for 14 buildings in flood risk areas), **sub-activity 1.3.1** (Detailed design and construction plan completed for the climate-resilient bunker) and **sub-activity 1.1.2** (Install climate proofing measures on 52 priority buildings). These mentioned sub-activities all make contributions to addressing the vulnerability of the country and specific beneficiary groups to climate change impacts. The third way in which the project aims to meet the needs of the recipient is by overcoming the constraints of socioeconomic status to access funding for adaptation.

### 2.2.5 Country Ownership ?

This project continues to enjoy strong country ownership as it is strongly aligned with Antigua and Barbuda's Medium Term Development Strategy (2016 -2020) and is expected to be even more strongly aligned with the successor Development Strategy as this iteration explicitly includes climate resilience. This, however, will be better assessed once this new strategy is launched this year (2023).

Moreover, a number of stakeholder engagements were executed during the reporting period at the technical level in a number public sector institutions and are expected to strengthen country ownership and facilitate more efficient implementation. These consultations took place with the following stakeholders:

1. Ministry of Education
2. Ministry of Health
3. Ministry of Finance
4. Ministry of Telecommunications and Information Technology
5. Antigua and Barbuda Defence Force
6. Royal Police Force of Antigua and Barbuda
7. Antigua and Barbuda Fire Service
8. Antigua and Barbuda Medical Benefits Scheme
9. Development Control Authority (DCA)
10. National Office of Disaster Services (NODS)
11. University of the West Indies Five Islands Campus (UWIFIC)
12. Antigua and Barbuda Institute of Continuing Education (ABICE)
13. Antigua and Barbuda International Institute of Technology (ABIIT)
14. Antigua State College (ASC)
15. Antigua and Barbuda Meteorological Service (ABMS)

### 2.2.6 Efficiency and Effectiveness ?

The updated Procurement and Implementation Plans took account of the impact on the efficiency and effectiveness that procurement challenges detailed above may produce and include strategies designed to ensure that the project remains on track to achieve its envisioned economic and financial soundness. These will be continuously reviewed to ensure as far as possible none of the intended efficiency and effectiveness impacts are lost.

## 2.3 Project Outputs Implementation Status

Please note the below fields are mandatory but only a one-time activity. Please fill out the project output details regardless of any progress made so far, which will be auto-populated in the next APR and on wards.

Use 'Add Row' button to add multiple outputs and/or activities reported against one output

<b>Project Output Name *</b>	
Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events	
The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.	
<b>Project Activity Name *</b>	
1.1 Implement climate-proofing measures on critical infrastructure	
<b>Status</b>	<b>Implementation Progress *</b>
Activity started - progress delayed	10 %
<b>Original timeline planned for this activity *</b>	
Q6-Q24	
Please refer to the Implementation Timetable in the log-frame	
<b>Progress for the relevant reporting period</b>	
<ol style="list-style-type: none"> <li>1. Completion of the site-specific drainage report for 52 buildings and the stormwater drainage system/solution design report by the Hydrological service consultant.</li> <li>2. Started general structural repairs by way of government contribution of four priority buildings - Bolans Health Clinic, Her Majesty's Prison, All Saints Police Station, and Antigua and Royal Police Force of Antigua and Barbuda Headquarters.</li> <li>4. Initiated the procurement process for sub-activities 1.1.1, 1.1.3, and 1.1.6.</li> <li>5. Completed the renewable energy site assessments for all 52 priority buildings and completed the collection and analysis of energy consumption, energy efficiency and air quality baseline data.</li> </ol>	
Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.	
<b>Key milestones and deliverables for the next reporting period</b>	
<ol style="list-style-type: none"> <li>1.1.1 - Develop site-specific engineering designs for climate proofing 52 priority buildings</li> <li>1.1.2 - Install climate proofing measures on approximately 10% of priority buildings based on engineering designs developed in Sub-activity 1.1.1.</li> <li>1.1.4 - Design climate-resilient renewable energy solutions for priority buildings taking into consideration energy efficiency (EE) and indoor air quality for those buildings that have heating, ventilation and air conditioning (HVAC) systems.</li> <li>1.1.6 - Design water harvesting solutions for priority buildings as well as stormwater drainage solutions for buildings in flood risk areas.</li> </ol>	
Please include a list of key milestones and deliverables expected to be executed in the next reporting period.	

<b>Project Output Name *</b>	
Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events	
The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.	
<b>Project Activity Name *</b>	
1.2. Construct climate-resilient storm shelters attached to public clinics.	
<b>Status</b>	<b>Implementation Progress *</b>
Activity started - progress delayed	1 %
<b>Original timeline planned for this activity *</b>	
Q6-Q24	
Please refer to the Implementation Timetable in the log-frame	

**Progress for the relevant reporting period**

Procurement process almost completed for sub-activity 1.2.1 - develop detailed, site specific construction plans for hurricane shelters at five public clinics.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

1.2.1- Develop detailed, site-specific construction plans for hurricane shelters at five public clinics  
 1.2.2 Conduct detailed consultations on the design of gender responsive shelters with RE back up energy systems and develop the ESMP for the construction of the shelters

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

1.3. Construct a climate-resilient bunker to store emergency supplies for the health, energy, building and welfare sectors

**Status**

Activity started - progress delayed

**Implementation Progress \***

2

%

**Original timeline planned for this activity \***

Q4-Q8

Please refer to the Implementation Timetable in the log-frame

**Progress for the relevant reporting period**

1. Initiated the procurement process for sub-activity 1.3.1.  
 2. Revised sub-activity 1.3.1 to increase impact (with no effect on cost) to now upgrade a state owned building to a 40,000-50,000 sq.ft. facility to house both the climate resilient bunker and the Antigua and Barbuda Central Medical Procurement Unit to address their current climate change vulnerability exposure.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

1.3.1 Complete a detailed design and construction plan for bunker  
 1.3.2 ESMP conducted and construction of bunker

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

1.4. Implement measures to preserve vital information/data within public institutions.

**Status**

Activity started - progress delayed

**Implementation Progress \***

1

%

**Original timeline planned for this activity \***

Q4-Q24

Please refer to the Implementation Timetable in the log-frame

**Progress for the relevant reporting period**

1. Initiated the procurement process for sub-activity 1.4.3.
2. Completed preliminary consultations with the Government's Coordinator of IT Implementation and Management Unit, E-Government and the Director of IT Centre concerning the backup protocols to be developed for sub-activity 1.4.1 to ascertain the government's policy position on the management, sharing, analytics, security and warehousing of data, and the digitization of records.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

- 1.4.3 Design physical protection measures for critical IT infrastructure
- 1.4.4 Implement physical protection measures for critical IT infrastructure

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

2. Climate change adaptation mainstreamed into the building sector and relevant financial mechanisms.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

- 2.1. Mainstream climate change adaptation into the building sector by making provision for the building code in the Physical Planning Act (2003) and updating the EMS plans

Status	Implementation Progress *
Activity started - progress delayed	3 %

**Original timeline planned for this activity \***

Q4-Q24

Please refer to the Implementation Timetable in the log-frame

**Progress for the relevant reporting period**

1. Completed preliminary consultations with the Development Control Authority and published an RFP to procure a consultant for sub-activity 2.1.1.
2. Completed most of the procurement processes for engagement of consultant to execute sub-activity 2.1.2. Contract negotiations are now in progress.
3. EMS focal points have been identified for sub-activity 2.1.3 for all the priority buildings.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

- 2.1.1 Draft regulations for the Physical Planning Act (2003) that make provision for the Building code for submission to and enactment by Parliament
- 2.1.2 Conduct Strategic Impact Assessment (SIA) of the Building Code Regulations to assess the environmental and social safeguards and gender risk, consequences and mitigation measures related to the enactment of these regulations
- 2.1.3. Make recommendations for the EMS plans to be updated to include climate change adaptation measures for the building sector

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

2. Climate change adaptation mainstreamed into the building sector and relevant financial mechanisms.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

- 2.2. Mainstream climate change adaptation for the building sector into public and private financial, insurance and banking sectors.

Status	Implementation Progress *
Activity not yet due	6 %

**Original timeline planned for this activity \***

Q8-Q24

Please refer to the Implementation Timetable in the log-frame

### Progress for the relevant reporting period

1. Drafting and publication of TOR to procure consultant to execute sub-activity 2.1.1 ( Mainstream climate change adaptation for the building sector into public and private financial, insurance and banking sectors.)
2. Commenced work on developing version 1 of Term Sheet for SIRF Fund (Please see 'Section 5: Annexes and Attachments' for Term Sheet). This Term Sheet is being developed for execution between the SIRF Fund and the EE to achieve the following objectives: (a) The engagement of public and private sector stakeholders to identify additional entry points for accessing climate finance through the SIRFF for investments; (b) To capture lessons learned from the operationalisation of the SIRFF, which will allow the Fund to accurately calculate the incremental cost of building adaptations used in small businesses; (c) To refine the selection criteria for adaptation interventions using an evidence-based approach that draws lessons learned from the GEF-SCCF funded "Building climate resilience through innovative financing mechanisms for climate change adaptation" Project, and the GCF FP061 Project, as well as the implementation of on-the-ground adaptation interventions under Activity 1.1 of this Project; (d) To train decision-makers from NODS, DCA and PWD on how to (i) assess, calculate and report on the incremental cost of adaptation in public sector projects for the purposes of tracking the implementation of Article 2.1c of the Paris Agreement, (ii) Implement the new building codes and regulations to assess planning applications, (iii) To provide trained technical assistance to the SIRFF in the evaluation of private sector applications for loans and grants.  
Under Activity 2.2. of the GCF-Build Project, the SIRFF operationalisation process and its Small Grants Programme will be reviewed, and the lessons learnt will be used to refine the list of adaptation solutions for which the Fund currently offers financial assistance. This process will ensure that all options are optimized for the local conditions and markets, and that clear guidelines are set for assessing the eligibility of each application.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

### Key milestones and deliverables for the next reporting period

- 2.2.1. Consult with representatives from the public and private sectors to identify entry points for accessing government financial support to reduce the barrier of high cost of Category 4 and 5 construction as well as to partner with the SIRF Fund to track current activities being undertaken by the fund to pilot incentive programmes, insurance/risk mitigation products, and opportunities for fundraising.
- 2.2.2. Refine the SIRF Fund's list of adaptation options using an evidence-based approach that draws lessons learned from the SCCF, EDA projects, as well as lessons learnt the implementation of adaptation interventions under Activity 1.1 of this project.
- 2.2.3. Train decision-makers from NODS, DCA and PWD on how to (a) assess, calculate and report on the incremental cost of adaptation in public sector projects for the purposes of tracking the implementation of Article 2.1c of the Paris Agreement (b) implement the new building codes and regulations to assess planning applications (c) provide technical assistance to the SIRF Fund in the evaluation of private sector applications for loans and grants.
- 2.2.4. Collate and share lessons learned from SIRF Fund application and the funding process, with the rest of the private financial sector and the Government's newly formed Resilience and Development Fund (2020) .

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

### Project Output Name \*

2. Climate change adaptation mainstreamed into the building sector and relevant financial mechanisms.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

### Project Activity Name \*

2.3. Train relevant staff from the National Office of Disaster Services (NODS), Development Control Authority (DCA) and the Public Works Department (PWD) as well as the private sector on operational procedures for long-term monitoring, maintenance and upscaling of climate-resilient renewable energy (RE) and water harvesting technologies in accordance with the national building code.

Status	Implementation Progress *
Activity started - progress delayed	0 %

### Original timeline planned for this activity \*

Q4-Q24

Please refer to the Implementation Timetable in the log-frame

### Progress for the relevant reporting period

Consultation and sensitization workshop conducted with the Development Control Authority (DCA).

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

- 2.3.2 Design and implement a long-term monitoring framework for building-specific climate-proofing measures – including cost-benefit analyses – to demonstrate the long-term adaptation benefits.
- 2.3.4 Design and conduct a gender-sensitive awareness campaign targeting the public and private sectors on the updated Building Code, the benefits of taking up climate-adaptive solutions within the building sector as well as the availability of certified climate change courses
- 2.3.5 Develop and implement a gender-sensitive awareness-raising campaign within the government system on the availability of the courses developed under Sub-activity 2.3.3

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

2. Climate change adaptation mainstreamed into the building sector and relevant financial mechanisms.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

2.4. Train the local workforce on the installation, operation and maintenance of climate-proofing measures for the targeted buildings.

Status	Implementation Progress *
Activity started - progress delayed	3 %

**Original timeline planned for this activity \***

Q6-Q24

Please refer to the Implementation Timetable in the log-frame

**Progress for the relevant reporting period**

1. MOU drafted between the AE and the University of the West Indies Five Island Campus (UWIFIC) which will be the institution responsible for developing the training modules for sub-activity 2.4.2.
2. Initial consultations were also had with UWIFIC, the Antigua and Barbuda Institute of Technology (ABIIT) and the Antigua State College which will be responsible for delivering the training and also critical to the apprenticeship programme (2.4.3).
3. Technical assistance provided by NREL support the development of RE curriculum to facilitate training

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

**Key milestones and deliverables for the next reporting period**

2.4.3. Design and implement an apprenticeship programme to support the participation of persons between the ages of 16 - 24 years in the project's construction activities

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

**Project Output Name \***

3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

**Project Activity Name \***

3.1. Climate information services strengthened to facilitate early action for extreme climate events.

Status	Implementation Progress *
Activity started - progress delayed	30 %

**Original timeline planned for this activity \***

Q4-Q24

Please refer to the Implementation Timetable in the log-frame

**Progress for the relevant reporting period**

1. Completed 3.1.1- Establish a centralised online server to enhance real-time processing of climate data.
2. Sub-activity 3.1.2 - the objectives of this sub-activity have been met through the provision of scholarships for six ABMS employees to increase the technical capacity of staff to collect, process and manage climate data in real time. However, capacity building must continue in order to build sustainability in the project's interventions so resources will have to be identified to do this.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

### Key milestones and deliverables for the next reporting period

- 3.1.2 Increase the technical capacity of staff within ABMS to collect, process and manage climate data in real time.
- 3.1.3 Conduct a knowledge exchange trip to the nearest Regional Climate Centre (RCC), which is under the auspices of the World Meteorological Organization (WMO), to strengthen the technical and institutional capacity within ABMS for impact-based forecasting.
- 3.1.4. Increase the technical and institutional capacity of AMBS to develop early warning information products, including infographics that are locally appropriate and easily interpreted by vulnerable communities.

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

### Project Output Name \*

3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events.

The output name should match with the output reported in the sub-section 2.4.3. If you have multiple activities to be reported against one output, you need to write down the same output name for every activity.

### Project Activity Name \*

3.2. Establish a formalised communication protocol to facilitate rapid information sharing and early action preceding an extreme climate event.

Status	Implementation Progress *
Activity not yet due	0 %

### Original timeline planned for this activity \*

Q8-Q24

Please refer to the Implementation Timetable in the log-frame

### Progress for the relevant reporting period

Initial consultations with ABMS revealed that current staffing constraints will also prohibit staff from participating in the knowledge exchange trip.

Provide an updated progress on this project activity for the relevant reporting period, including delays and issues encountered, the reason for differences between the planned implementation progress and actual implementation progress, key milestones reached, and lessons learned, including issues related to non-compliance with GCF standards or conditions, vis-à-vis expectations, if any. In parallel, include positive achievements and better-than-expected results.

### Key milestones and deliverables for the next reporting period

- 3.2.1 Design and operationalise a formal communication protocol to facilitate effective communication of impact-based forecasts from ABMS to decision-makers within relevant government entities responsible for preparation ahead of an extreme climate event.
- 3.2.2 Design and implement early action protocols for critical public service and community buildings with variable responses dependent on the anticipated intensity of the incoming storm.
- 3.2.3. Train public and private sector actors on the application of the early action protocols designed and developed under Sub-activity 3.2.2.
- 3.2.4. Improve the capacity of ABMS to disseminate early warning information products to critical service providers as well as the private sector to facilitate early action.

Please include a list of key milestones and deliverables expected to be executed in the next reporting period.

## 2.4 Progress Update on the Logic Framework Indicators

Under this section, please report the 'annual value' for the reporting year only (for example, during 2022 only). Also report 'cumulative value' achieved as of the end of the reporting year as well as 'baseline', 'midterm target', 'final target', and 'expected lifetime emission reduction target'. Please note that the baseline and the respective target values should be reported for the total funding amount (GCF funding and co-financing) of the project. Also note that all these values should reflect information from the most recent/updated logical framework (logframe) agreed to with the GCF, whether through the FAA amendment process, submission and approval of the inception report, baseline assessment/study, APRs, and/or correspondence with GCF's portfolio managers on any logframe changes. If the most updated logframe deviates from that approved in the funding proposal, please provide clarification as to why there have been changes for each applicable indicator in the 'Remarks' box. For example, the clarification may include but is not limited to: 'the logframe was revised during the FAA negotiation process' or 'a baseline assessment has been completed as of August 2022 and the assessment has been submitted to the GCF for approval' or 'the revised baseline and target values have been submitted via the previous APR cycle and approved by the GCF' or 'the project logframe is being revised, and the FAA amendment process is currently ongoing with the GCF' etc. In case where a measurement methodology has been revised in agreement with the GCF for any indicators in the logframe, please attach supporting documentation describing the calculation methodology of all applicable indicators in APR Section 5 'Annexes and Attachments'.

This sub-section 2.4 is not applicable for REDD+ Results-Based Payments Projects. Please write 'Not Applicable' as the response.

### 2.4.1 Core Indicators

**Select applicable core indicators**

- Mitigation Core Indicator 1 - Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>eq) reduced as a result of GCF funded project/programme
- Mitigation Core Indicator 2 - Cost per tCO<sub>2</sub>eq decreased for GCF funded project/programme
- Mitigation Core Indicator 3 - Volume of finance leveraged by GCF funding (Disaggregated by public/private source)
- Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme
- Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme
- Adaptation Core Indicator 3 - Number of total beneficiaries relative to total population

**Mitigation Core Indicator 1 - Tonnes of carbon dioxide equivalent (tCO<sub>2</sub>eq) reduced as a result of GCF funded project/programme (Unit: tCO<sub>2</sub>eq)**

Please provide the "annual value" of ex-post tonnes of carbon dioxide equivalent (tCO<sub>2</sub>eq) achieved only during the reported calendar year. The "cumulative value" of ex-post tonnes of carbon dioxide equivalent (tCO<sub>2</sub>eq) relates to cumulative GHG reductions realized since the start of the actual implementation of the project until the reported calendar year included. The ex-post value must be calculated on the basis of an actual and ongoing physical implementation of activity directly reducing GHGs, and shall not be extrapolated, for example, as a function of funds disbursed. Please note that the GHG values should be reported for the funded activity in totality (activities funded by both GCF funding and co-financing). The 'Final Target' is the amount of emissions reduced up to the end of implementation. The 'expected lifetime emission reduction target' is an estimate of emission reductions over the project/programme lifetime. If the end of the lifetime coincides with the end of implementation, then please provide the same value for 'Final Target' and 'Expected lifetime emission reduction target'.

In case any qualitative values, not quantitative, should be provided in the Baseline/Current value/Mid-term Target/Final Target data fields, please leave them blank and use the 'Remarks' box below for your input.

Baseline	Annual Value (Reporting Year)	Cumulative Value
0 tCO <sub>2</sub> eq	0 tCO <sub>2</sub> eq	0 tCO <sub>2</sub> eq
Baseline value may be autopopulated from the previous APR.	Please note that The GHG emission reductions will be "0" for project/programme where the activity is still under construction or development phase and has not started reduction of GHG emissions.	This value may be auto-populated from the previous APR. Please update accordingly.
Mid-term Target	Final Target	Expected lifetime emission reduction target
5 769 tCO <sub>2</sub> eq	11 538 tCO <sub>2</sub> eq	38.460 tCO <sub>2</sub> eq

**Remarks (including changes, if any)**

The annual expected tonnes of carbon dioxide equivalent avoided or reduced is 1,923 tCO<sub>2</sub>eq. The final target was computed by multiplying the annual expected tCO<sub>2</sub>eq reduced or avoided emissions times the implementation period (6 years) - 1,963\*6 =11,538tCO<sub>2</sub>eq. The medium term target was computed by halving the final target i.e., 11,538/2= 5,769 tCO<sub>2</sub>eq.

The methodology for calculation of the expected tCO<sub>2</sub>eq avoided or reduced was calculated and submitted as Annex 26 of the Funding Proposal. The methodology was finalized during consultations with the GCF and the consultant and is attached below.

If the final target and/or expected lifetime emission reduction target (either from the FP or last APR) differ from those in the approved funding proposal, please provide a brief explanation.

**<Important Note> Please confirm (1) if you already provided attached the ex-post emission reduction a spreadsheet or document on calculation methodology for annual and cumulative value in a previous reporting; and (2) the methodology does remain the same for this reporting year. \***

Select "Yes" only when your answers are "Yes" for the both questions above. Otherwise, please select "No."

Yes

No

**Below, please upload the aforementioned spreadsheet or document on the calculation methodology. \***

[GCF FP\\_Antigua and Barbuda\\_Build\\_Annex 26\\_Emissions Reduction Analysis\\_29 April 2020 CLEAN.pdf](#)

The GHG emission reduction calculation spreadsheet or document shall contain information on the basic assumptions, references, and default factors (ex: grid emission factor, calorific value, etc.) along with actual project/programme achieved values (ex: energy generation data, energy or fuel saved, etc.) that were used to calculate the ex-post current "annual value" of tonnes of carbon dioxide equivalent (tCO<sub>2</sub>eq) in the calendar reporting year.

**Mitigation Core Indicator 2 - Cost per tCO<sub>2</sub>eq decreased for GCF funded project/programme (Unit: Cost per tCO<sub>2</sub>eq)**

Total GCF Funding	Total Co-financing	Currency
32706595	13458035	usd
<small>This value is auto-populated from 3.1.1.</small>	<small>This value is auto-populated from 3.1.2.</small>	<small>This value is auto-populated from 3.1.</small>
Baseline	Annual Value (Reporting Year)	Cumulative Value
Mid-term Target	Final Target	Estimated cost per tCO <sub>2</sub> eq reduced over lifetime
8002.189287571503	4001.0946437857515	1200328.3931357253

Calculation methodologies:

The baseline is total project funding divided by baseline emission reduction.

The cumulative value is the total project funding divided by the cumulative value of emission reduction.

The mid-term target is total project funding by the mid-term target of emission reduction.

The final target is total project funding by the final target of emission reduction.

The estimated cost per tCO<sub>2</sub>eq emission reduced over lifetime is the total project funding divided by the expected lifetime emission reduction target.

**Please confirm the aforementioned auto-calculated values and, if different, provide values and corresponding methodologies.**

The cost per tCO<sub>2</sub>eq decreased for GCF funded project was not calculated using total project financing; instead the project used **total mitigation project financing**. **Total mitigation project financing = \$14,425, 774**. Therefore, cost per tCO<sub>2</sub>eq decreased for GCF funded project was calculated as follows:

Estimated cost per tCO<sub>2</sub>eq = Total mitigation project financing/Expected lifetime emissions reductions

$$= 14,425,774/38,460 = 375.09$$

The cost per tCO<sub>2</sub>eq for the mid-term and final targets are calculated as follows:

Mid term cost per tCO<sub>2</sub>eq = Mid-term target \* cost per tCO<sub>2</sub>eq

Final target cost per tCO<sub>2</sub>eq= Final target \* cost per tCO<sub>2</sub>eq

The **mid-term target** emission reduction = 5769 tCO<sub>2</sub>eq; the cost per tCO<sub>2</sub>eq for mid-term target = 2,163, 894.21

The **final target** for emission reduction is 11, 538 tCO<sub>2</sub>eq; the cost per tCO<sub>2</sub>eq for the final target = 4,327,788.42

**Mitigation Core Indicator 3 - Volume of finance leveraged by GCF funding (Disaggregated by public/private source) (Unit: Currency)**

Please provide the "annual value" of the volume of finance leveraged by GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the cumulative ex-post volume of finance leveraged by GCF funding, and include co-financing amounts as leveraged finance. Leveraged finance means investment resulting from the contribution associated with GCF involvement in investment.

Please refer to the Section 3 of Policy on co-financing B.24/14 for further information on leveraged finance by GCF funding.

[Policy on co-financing](#)

**Currency**

**Total volume of finance leveraged by GCF funding**

Volume of finance leveraged by GCF funding, from both public and private investors.

Baseline	Annual Value (Reporting Year)	Cumulative Value
<input type="text" value="0"/>	<input type="text" value="2 876 959"/>	<input type="text" value="2 876 959"/>
Mid-term Target	Final Target	
<input type="text" value="7 324 501.46"/>	<input type="text" value="13 458 035"/>	

**Total private sector volume of finance leveraged by GCF funding**

Volume of finance leveraged by GCF funding, from private sector investors only.

Baseline	Annual Value (Reporting Year)	Cumulative Value
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Mid-term Target	Final Target	
<input type="text" value="0"/>	<input type="text" value="0"/>	

**Remarks (including changes, if any)**

**Adaptation Core Indicator 1 - Direct Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)**

Please provide the "annual value" of the number of direct beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of direct beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

<b>Baseline</b>	<b>Baseline (% of female)</b>
<input type="text" value="0"/>	<input type="text" value="0"/> %
<b>Annual Value (Reporting Year)</b>	<b>Annual Value (% of female)</b>
<input type="text" value="0"/>	<input type="text" value="0"/> %
<b>Cumulative Value</b>	<b>Cumulative Value (% of female)</b>
<input type="text" value="0"/>	<input type="text" value="0"/> %
<b>Mid-term Target</b>	<b>Mid-term Target (% of female)</b>
<input type="text" value="0"/>	<input type="text" value="0"/> %
<b>Final Target</b>	<b>Final Target (% of female)</b>
<input type="text" value="73 216"/>	<input type="text" value="52"/> %

**Remarks (including changes, if any)**

The project team is in the process of collecting baseline demographic data on the direct beneficiaries within the institutions which will benefit from these interventions in order to determine values to populate baseline, annual, cumulative and mid-term target values.

Altogether, approximately 73, 216 direct beneficiaries of which 52% (30,072) are women and 48% (35,144) are men.

**Adaptation Core Indicator 2 - Indirect Beneficiaries of GCF funded project/programme (Units: number of individuals and percentage %)**

Please provide the "annual value" of the number of indirect beneficiaries who benefitted from GCF funding only during the reported calendar year. The 'Cumulative Value' refers to the total ex-post number of indirect beneficiaries on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

<b>Baseline</b>	<b>Baseline (% of female)</b>
0	0 %
<b>Annual Value (Reporting Year)</b>	<b>Annual Value (% of female)</b>
0	0 %
<b>Cumulative Value</b>	<b>Cumulative Value (% of female)</b>
0	0 %
<b>Mid-term Target</b>	<b>Mid-term Target (% of female)</b>
0	0 %
<b>Final Target</b>	<b>Final Target (% of female)</b>
94 400	52 %

**Remarks (including changes, if any)**

The project team is in the process of collecting baseline demographic data on the direct beneficiaries within the institutions which will benefit from these interventions in order to determine values to populate baseline, annual, cumulative and mid-term targets.

While direct beneficiaries total ~73,216, it is expected that the entire population of Antigua and Barbuda, ~94,400 people, will benefit indirectly.

**Adaptation Core Indicator 3 - Number of total beneficiaries relative to total population (Units: percentage %)**

Please provide the "annual value" of the number of total beneficiaries who benefitted from GCF funding relative to the total population only during the reported calendar year. The 'Cumulative Value' refers to the ex-post number of total beneficiaries relative to the total population on a cumulative basis. Please note that all values should be based on total funding (GCF funding and co-financing).

**Share of direct beneficiaries relative to total population**

Baseline	Annual Value (Reporting Year)	Cumulative Value
0 %	0 %	0 %
Mid-term Target	Final Target	
0 %	78 %	

**Share of female direct beneficiaries relative to total population**

Baseline (female)	Annual Value (Reporting Year)	Cumulative Value (female)
0 %	0 %	0 %
Mid-term Target (female)	Final Target (female)	
	52 %	

**Share of indirect beneficiaries relative to total population**

Baseline	Annual Value (Reporting Year)	Cumulative Value
0 %	0 %	0 %
Mid-term Target	Final Target	
0 %	100 %	

**Share of female indirect beneficiaries relative to total population**

Baseline (female)	Annual Value (Reporting Year)	Cumulative Value (female)
0 %		0 %
Mid-term Target (female)	Final Target (female)	
0 %	52 %	

**Remarks (including changes, if any)**

The project team is in the process of collecting baseline demographic data on the direct beneficiaries within the institutions which will benefit from these interventions in order to determine values to populate baseline, annual, cumulative and mid-term target values.

**Select applicable impact indicators**

- M1.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of increased low-emission energy access and power generation
- M2.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of increased access to low-emission transport
- M3.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of buildings, cities, industries and appliances
- M4.1 Tonnes of carbon dioxide equivalent (tCO2eq) reduced or avoided as a result of sustainable management of forests and conservation and enhancement of forest carbon stocks
- A1.1 Change in expected losses of lives and economic assets due to the impact of extreme climate-related disasters in the geographic area of the GCF intervention
- A1.2 Number of males and females benefiting from the adoption of diversified, climate resilient livelihood options (including fisheries, agriculture, tourism, etc.)
- A1.3 Number of Fund funded projects/programmes that supports effective adaptation to fish stock migration and depletion due to climate change
- A2.1 Number of males and females benefiting from introduced health measures to respond to climate-sensitive diseases
- A2.2 Number of food secure households (in areas/periods at risk of climate change impacts)
- A2.3 Number of males and females with year round access to reliable and safe water supply despite climate shocks and stresses
- A3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits (reported where applicable)
- A4.1 Coverage/scale of ecosystems protected and strengthened in response to climate variability and change
- A4.2 Value of ecosystem services generated or protected in response to climate change

**A1.1 Change in expected losses of lives and economic assets due to the impact of extreme climate-related disasters in the geographic area of the GCF intervention (Units: multiple, as applicable)**

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Current Value' on a cumulative basis.

**Select Units (as many as possible)**

- Persons
- Economic Assets (in money value)
- Percentage % (reduction in losses of lives and economic assets)
- Other

Economic assets and lives lost

**Unit - Economic Assets**

**Currency**

USD

Baseline	Annual Value (Reporting Year)	Cumulative Value
6 600 000 000	0	0
<b>Mid-term Target</b>	<b>Final Target</b>	
1 500 000 000	3 340 000 000	

**Remarks (including changes, if any)**

Midterm targeted reduction in losses of lives and economic assets of US\$1.5 billion calculated as a percentage of total baseline losses of US\$6.6 billion = 22.7%

Final targeted reduction in losses of lives and economic assets of US\$3.34 billion calculated as a percentage of total baseline losses of US\$6.6 billion = 50.6%

**A3.1 Number and value of physical assets made more resilient to climate variability and change, considering human benefits (Units: multiple, as applicable)**

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Cumulative Value' on a cumulative basis.

**Select Units (as many as applicable)**

- Persons  
 Economic Assets  
 Other

Buildings and Value

**Unit - Economic Assets**
**Currency**

USD

Baseline	Annual Value (Reporting Year)	Cumulative Value
0		
<b>Mid-term Target</b>	<b>Final Target</b>	
53 354 316.53	106 708 633.07	

**Unit - Other**

Baseline	Annual Value (Reporting Year)	Cumulative Value
0		0.0
<b>Mid-term Target</b>	<b>Final Target</b>	
27	54	

**Remarks (including changes, if any)**

**Baseline**

52 priority buildings at level 0

2 priority buildings with value USD 8,617,188 at Level 1

**Current Value**

No progress to report

**Midterm Target**

27 priority buildings at level 2 with a value of US\$ 53,354,316.53

**Final Target**

54 priority buildings at level 3 with a value of US\$106,708,633.07

**2.4.3 Project/Programme-level Outcome & Output Indicators**

Please provide the "annual value" achieved only during the reported calendar year and the ex-post 'Cumulative Value' on a cumulative basis. If you have multiple outputs to be reported against one outcome, you need to write down the same outcome name for every output. Likewise, if you have multiple indicators to be reported against one output, you need to write down the same output name and corresponding outcome name for every indicator.

Use 'Add row' button to add multiple outcomes, outputs and/or indicators.

<b>Results Areas</b>		<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security		A6.0 Increased generation and use of climate information in decision-making	
<b>Output Name (under the afore-mentioned outcome)</b>			
Output 3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
<b>Indicator Name</b>			
A6.1 Use of climate information products/services in decision-making in climate sensitive sectors			
<b>Unit</b>			
Climate Information			
<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>	
1		1	
<b>Mid-term Target</b>	<b>Final Target</b>		
2	3		
<b>Remarks (including changes, if any)</b>			
Level 1: First responders receive unclear communications from early warning systems, without formal categorisation of the level of threat			
Level 2: First responders receive clear communications from early warning systems that categorisation of the level of threat but do not have standardised response protocols.			
Level 3: First responders receive clear communications which indicate the level of threat and have clear protocols in place detailing the appropriate level of response.			

<b>Results Areas</b>		<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security		A7.0 – Strengthened adaptive capacity and reduced exposure to climate risks	
<b>Output Name (under the afore-mentioned outcome)</b>			
Output 1. Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
<b>Indicator Name</b>			
A7.2 Number of males and females reached by [or total geographic coverage of] climate-related early warning systems and other risk reduction measures established/strengthened			
<b>Unit</b>			
Males and Females			
<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>	
0		0	
<b>Mid-term Target</b>	<b>Final Target</b>		
36 000	73 216		
<b>Remarks (including changes, if any)</b>			
Midterm target of 19,000 women and 17,000 men reached by climate-related early warning systems and are supported by climate- resilient critical services secured .			

<b>Results Areas</b>		<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security		A7.0 – Strengthened adaptive capacity and reduced exposure to climate risks	

**Output Name (under the afore-mentioned outcome)**  
 Output 1. Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

**Indicator Name**  
 Number of priority buildings that can reopen within 2 days after a category 4 or 5 hurricane and be fully functional to serve vulnerable persons

**Unit**  
 Buildings

Baseline	Annual Value (Reporting Year)	Cumulative Value
2		2
Mid-term Target	Final Target	
27	54	

**Remarks (including changes, if any)**

**Results Areas**  
 [Adaptation] Health, Food, and Water Security

**Outcome Name**  
 A7.0 – Strengthened adaptive capacity and reduced exposure to climate risks

**Output Name (under the afore-mentioned outcome)**  
 Output 1. Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

**Indicator Name**  
 Change in gallons of water stored at 54 priority buildings to enable continuous water supply when centralised utilities are disrupted by a storm

**Unit**  
 Gallons of Water

Baseline	Annual Value (Reporting Year)	Cumulative Value
1 989.35		1 989.35
Mid-term Target	Final Target	
17 904.14	35 808.27	

**Remarks (including changes, if any)**  
 Midterm target corresponds to 27 priority buildings fitted with climate- resilient water harvesting solutions.  
 Final target corresponds to 54 priority buildings fitted with climate- resilient water harvesting solutions. Two of the 54 buildings are already equipped with climate adaptation measures and only need resilient water harvesting solutions added to meet the project's objectives.

**Results Areas**  
 [Adaptation] Health, Food, and Water Security

**Outcome Name**  
 A6.0 – Increased generation and use of climate information in decision-making

**Output Name (under the afore-mentioned outcome)**  
 Output 3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events.

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

**Indicator Name**  
 Change in recovery time for critical data linked to priority services such as healthcare, safety and security

**Unit**  
 Data recovery time

<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>
1		1
<b>Mid-term Target</b>	<b>Final Target</b>	
2	3	
<b>Remarks (including changes, if any)</b>		
<p>Baseline - 1 indicates that data recovery takes months; no back up on secure servers.</p> <p>Midterm Target - 2 indicates that data recovery can be done within 2 days of a storm using backup data stored on secure server</p> <p>Final Target - 3 indicates that data recovery can be done in a few hours using data backup on on-site climate- proofed servers, with additional backups accessible within 2 days</p>		

<b>Results Areas</b>	<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security	A7.0 – Strengthened adaptive capacity and reduced exposure to climate risks	
<b>Output Name (under the afore-mentioned outcome)</b>		
Output 1. Climate-proofing interventions implemented in critical public service and community buildings to improve resilience to, and recovery from, extreme climate events		
<small>Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.</small>		
<b>Indicator Name</b>		
Change in the % of applications to the DCA for buildings that can meet category 4 & 5 standards		
<b>Unit</b>		
Development applications		
<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>
3.9		0
<b>Mid-term Target</b>	<b>Final Target</b>	
7.8	38.9	
<b>Remarks (including changes, if any)</b>		
We used the number of building applications received by DCA in 2019 (642) then calculated the percentages. Baseline %:25/642*100 =3.9%; mid-term target: 50/642*100 = 7.8% and final target:250/757*100 =38.9%.		

<b>Results Areas</b>	<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security	A5.0 – Strengthened institutional and regulatory systems for climate-responsive planning and development	
<b>Output Name (under the afore-mentioned outcome)</b>		
Output 2. Climate change adaptation lessons mainstreamed into the building sector and relevant financial institutions and mechanisms.		
<small>Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.</small>		
<b>Indicator Name</b>		
Change in the level of awareness and understanding of updated building codes for government officials in MoW and DCA as well as building inspectors, engineers, architects and draughtsmen		
<b>Unit</b>		
Awareness level		
<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>
<b>Mid-term Target</b>	<b>Final Target</b>	
20	40	

**Remarks (including changes, if any)**

Baseline data collected and will be analysed to produce baseline value.

Midterm and final targets are expressed relative to the baseline i.e., baseline + 20% and baseline + 40% respectively

**Results Areas**  
[Adaptation] Health, Food, and Water Security

**Outcome Name**  
A5.0 – Strengthened institutional and regulatory systems for climate-responsive planning and development

**Output Name (under the afore-mentioned outcome)**  
Output 2. Climate change adaptation lessons mainstreamed into the building sector and relevant financial institutions and mechanisms.

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

**Indicator Name**  
% reduction of incremental cost for climate interventions as a result of lessons learnt and interventions implemented

**Unit**  
Incremental costs

Baseline	Annual Value (Reporting Year)	Cumulative Value
		100

Mid-term Target	Final Target
10	20

**Remarks (including changes, if any)**

Baseline incremental costs yet to be determined.

Midterm and final targets are expressed relative to the baseline costs i.e., mid-term 10% less than baseline and final, 20% less than baseline.

**Results Areas**  
[Adaptation] Health, Food, and Water Security

**Outcome Name**  
A6.0 – Increased generation and use of climate information in decision-making

**Output Name (under the afore-mentioned outcome)**  
Output 3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events.

Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.

**Indicator Name**  
Change in response times of critical service providers and NODS to alerts and warnings received

**Unit**  
Reduction in response time (minutes)

Baseline	Annual Value (Reporting Year)	Cumulative Value

Mid-term Target	Final Target
30	60

**Remarks (including changes, if any)**

Baseline yet to be confirmed.

Midterm and final targets are expressed relative to the baseline response times i.e., baseline less 30 minutes and baseline less 60 minutes respectively

<b>Results Areas</b>		<b>Outcome Name</b>	
[Adaptation] Health, Food, and Water Security		A6.0 Increased generation and use of climate information in decision-making	
<b>Output Name (under the afore-mentioned outcome)</b>			
Output 3. Climate information services strengthened to facilitate early action within the building sector to respond to extreme climate events.			
Please write 'Not Applicable' if the below-mentioned indicator is to be reported directly at the outcome level.			
<b>Indicator Name</b>			
% of early response protocols actioned through the formal communication protocols			
<b>Unit</b>			
Protocols			
<b>Baseline</b>	<b>Annual Value (Reporting Year)</b>	<b>Cumulative Value</b>	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
<b>Mid-term Target</b>	<b>Final Target</b>		
30	100		
<b>Remarks (including changes, if any)</b>			
Midterm target is 30% of protocols and the final target is 100% of all protocols actioned through formal communication protocols.			

If applicable, please submit a supporting document describing the calculation methodology for the current values provided.

2.5 Report on changes during implementation (include actual and expected changes)

1. A change in the implementation approach for **sub-activity 1.3.1** (detailed design and construction plan completed for the climate-resilient bunker). This revision will contribute significantly to building climate resilience within Antigua and Barbuda’s health sector. This change will address requirements of the FP with respect to this sub-activity and also reduce the vulnerability of the Antigua & Barbuda Central Medical Procurement Unit (ABCMPU), which is responsible for the procurement, storage and distribution of all pharmaceutical and medical supplies nationally, to climate change impacts; a significant contribution to the resilience of the nation’s health sector.
2. Change in the implementation approach for **sub-activity 1.4.4**. (Physical protection measures implemented for critical IT infrastructure). In order to save costs and make implementation more efficient, the sub-activity will be undertaken by the same contractor designing the other climate change adaptation measures in sub-activity 1.1.1 and implementation of these designs will be by the contractor installing the other climate change adaptation measures (sub-activity 1.1.2).
3. Change in the implementation approach for **sub-activity 2.1.3** (Recommendations made for the Environmental Management System (EMS) Plans to be updated to include climate change adaptation measures for the building sector) to better address realities on the ground with respect to non-existent EMS Plans which the project assumed and also to identify and train EMS focalpoints in each institution to better ensure sustainability of the project’s interventions.
4. Change in areas of training/ capacity building in **Activity 2.4** which seeks to train the local workforce on the installation, operation and maintenance of climate proofing measures. This activity was extended to deliver capacity building/training in designing climate proofing measures (in addition to installation, operation and maintenance).
5. Change in the implementation strategy for **sub-activity 3.1.2** (Technical capacity of staff within ABMS strengthened to collect, process and manage climate data in real time) from workshops to scholarships of staff currently enrolled in tertiary level institutions building capacity in collection, processing and management of climate data. This was due to the fact that staff constraints at the ABMS offered no latitude for continuous workshop training without affecting the institution’s ability to fulfill its mandate.

Describe changes to the project during the reporting period. In particular, the report should cover elements such as change of beneficial ownership structure, management changes of the Accredited Entity, policies and other elements relevant for the project, and any other material change that could influence the overall outcome of the project.

2.6 Implementation challenges and lessons learned

<b>Challenge encountered</b>
------------------------------

The procurement process initiated for the execution of sub-activities under Component 1 required restructuring.

Describe the challenge faced during the last twelve (12) months of implementation and critical risks that may result in a change to the scope and/or timing of the project; please provide a description and how they have impacted the implementation period and could impact other activities and final targets. N.B. Choose the most relevant type if the challenge is related to multiple types.

**Challenge type**

Procurement

**Impact level on the project implementation**

Minor/Solved

NB. AML/CFT (Anti-Money Laundering/Combating the Financing of Terrorism), ESS (Environmental and social safeguards), SEAH (Sexual Exploitation, Abuse and Harassment)

**Measures adopted**

Regular internal coordination meetings were held within the PMU MOF to enhance communication and deepen understanding of project areas. The AE has also been sought for guidance.

**Please check if the above-mentioned challenge(s) has been resolved during the reporting period**

The challenge(s) has been resolved during the reporting period.

**Lesson learned and other remarks**

The AE had to temporarily suspend and restructure the procurement – (i) new procurement risks were discovered during the procurement process; (ii) the need to strengthen provisioning for capacity building to better meet local needs, thereby ensuring the sustainability of the project outcomes after project completion; and (iii) to strengthen provisions for increasing female participation in activities related to Component 1, especially, those which have been traditionally male dominated. These issues were addressed in the restructured procurement.

**Please check if this challenge is caused by COVID-19 pandemic.**

Yes

No

2.7 Updated implementation timetable for the Funded Activity

**Please submit the implementation time table for the Funded Activity**

[GCF-Build Updated implementation Tmetable.xlsx](#)

**Confirmation and Acknowledgement of Information \***

\* This is a required question to submit section 2 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 2 is complete and ready for submission.

## APR CY2022 Section 3: Financial Information - v3 2024-01-17 01:07 +09:00

---

### [APR CY2022] Section 3: Financial Information

Please note that this is section 3 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

#### 3.1 Annual Financial Performance Report

**Please download the Financial Performance Report Template in Excel.**

[Financial Performance Report Template](#)

Please note that the Financial Performance Report template has been updated with an additional master sheet where you will see a summary of data automatically extracted from multiple worksheets. AEs do not need to make any additional actions in this regard.

**Please attach the Annual Financial Performance Report here.**

[Revised Final 2022 GCF Build annual-performance-report-financial-information-section-3-updated template .xlsx](#)

Please make sure you use the attached template provided by the GCF. Reports submitted in any other formats would not be accepted.

#### 3.2 Unaudited Financial Statement

**Submit the Unaudited financial statement (as required by FAA)**

[Unaudited Financial Statement GCF Build - 2022.pdf](#)

(Semi-)Annual Audited financial statement, Interim/Final Evaluation Report should be submitted via separate and dedicated submission channels.

#### Confirmation and Acknowledgement of Information \*

\* This is a required question to submit section 3 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 3 is complete and ready for submission.

## APR CY2022 Section 4: Environmental and Social Safeguards & Gender - v3 2024-01-17 01:07 +09:00

### [APR CY2022] Section 4: Environmental and Social Safeguards & Gender

Please note that this is section 4 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

#### 4.1 Implementation of environmental and social safeguards and gender elements

Please provide information on the project or programme on the following: (1) key risks and impacts as identified; (2) compliance with applicable laws and regulations including FAA conditions and covenants; and (3) progress in the implementation of environmental and social management plans and programs including monitoring activities undertaken during the implementation of the funded activity.

**4.1.1 The information includes description on any changes in the key environmental and social risks and impacts as identified and arising from the implementation including any unanticipated risks and impacts (ex. from changes in laws and regulations) and, based on these if any change in the project's environmental and social risk category. In case of a change in the E&S risk category for the project, please provide an explanation.**

There are currently no changes in the key environmental and social risks and impacts as identified and arising from the implementation.

**4.1.2 The information should include status of compliance with applicable laws and regulations of the country as well as the relevant conditions or covenants under the FAA. This can be captured in the table below:**

#### Status of compliance with applicable laws and regulations and the conditions and covenants specifically addressing ESS & Gender under FAA

<p><b>Compliance Type</b></p> <p>Condition</p>
<p><b>Compliance Title &amp; Description</b></p> <p>Delivery to the Fund by the Accredited Entity of</p> <p>(1) a full design of each priority building commensurate with international standards, which design shall include:</p> <p>(A) climate-proofing measures (Sub-activity 1.1.2) based on engineering designs developed (Sub-activity 1.1.1);</p> <p>(B) a thorough assessment of the drainage needs (Sub-activity 1.1.6), resulting in stormwater drainage solutions for buildings in flood risk areas (Sub-activity 1.1.7) as well as</p> <p>(C) renewable energy, energy efficiency and water harvesting measures (Sub-activities 1.1.5 and 1.1.7) based on proper designs (Sub-activities 1.1.4 and 1.1.6) together with</p> <p>(D) site specific operational procedures as presented (Sub-activity 1.1.3); and</p> <p>(2) a confirmation to the GCF that such design has been approved by the Development Control Authority of Antigua and Barbuda.</p>
<p><b>Status of compliance</b></p> <p>Activity not yet started, however, the project remains on track for compliance with relevant laws and policies of the Government of Antigua and Barbuda as well as relevant multi-lateral Treaties, Agreements and Conventions to which Antigua and Barbuda is a signatory.</p>

<p><b>Compliance Type</b></p> <p>Covenant</p>
<p><b>Compliance Title &amp; Description</b></p> <p>10.02 (f) (Non-Supported Activities Based on ESS Risks) – Ensure that the GCF Proceeds will not support or finance, directly or indirectly, any activities with potential environmental and social risks that are equivalent to category A pursuant to the Environmental and Social Risks Categories to be conducted as part of the Project</p>

**Status of compliance**

Compliant

**Compliance Type**

Covenant

**Compliance Title & Description**

10.02 (g) (Adequate Measures for ESS Management) Undertake and/or put in place any adequate measures in order to ensure that the management of the environmental and social risks and impacts arising from the Funded Activity complies at all times with the recommendations, requirements and procedures set forth in the Environmental, Social and Gender Impact Assessment and Management Plan, which was provided by the Accredited Entity to the Fund before the Approval Decision and which shall not be amended, abrogated or waived without prior written approval of the Fund;

**Status of compliance**

Compliant

**Compliance Type**

Covenant

**Compliance Title & Description**

10.02 (h) (Securing All Required Land and Corresponding Rights) Obtain, or ensure that the Executing Entity shall obtain, all land and rights in respect of land that are required to carry out the Funded Activity and shall promptly furnish to the Fund, upon its request, evidence satisfactory to the Fund that such land and rights in respect of the land are available for the purposes of the Funded Activity.

**Status of compliance**

Compliant. There will be no acquisition of land in the execution of this Funded Activity.

**Compliance Type**

Covenant

**Compliance Title & Description**

10.02 (i) (Construction Works ESMPs Approved by GCF) Prior to commencing any construction works or activities for the implementation of the Project, submit to the Fund a detailed Environmental and Social Management Plan (ESMP) related to the relevant construction works or activities to be executed, in a form and substance satisfactory to the Fund

**Status of compliance**

Activity not yet started.

**Compliance Type**

Covenant

**Compliance Title & Description**

10.02 (j) (Infrastructure Work In Line With International Best Practices) Ensure that:

(10) the infrastructure Works to be implemented as part of the Funded Activity are designed, constructed, operated and decommissioned in accordance with good international industry practices and any other applicable standards, taking into consideration health and safety risks to third parties or affected communities; and

(ii) the quality of such infrastructure Works is in accordance with international best practices

**Status of compliance**

Activity not yet started.

**Compliance Type**

Covenant

**Compliance Title & Description**

10.01 (k) (Adequate Measures for GAP) Undertake and/or put in place any adequate measures in order to ensure that the Funded Activity complies at all times with the recommendations and requirements of the Gender Action Plan (GAP) provided by the Accredited Entity to the Fund as a part of the Funding Proposal, and in accordance with the requirements of the Updated Gender Policy, which shall not be amended, abrogated or waived without prior written approval of the Fund.

**Status of compliance**

In progress. The project currently has an Environmental Social Safeguard (ESS) and Gender Officer that is monitoring the GAP to ensure compliance.

**Compliance Type**

Covenant

**Compliance Title & Description**

10.01 (l) (Resources Allocated for Compliance for Updated Gender Policy) Dedicate the necessary financial, human, and other resources, as appropriate, to comply with the principles and requirements of the Updated Gender Policy.

**Status of compliance**

In progress. The project has a dedicated Environmental Social Safeguard (ESS) and Gender Officer who is tasked with monitoring compliance with GCF principles and requirements, including the Updated Gender Policy. The project team adheres to the AE's ESS and Gender Policies, which are in line with the principles of the GCF Gender Policy.

**Compliance Type**

Covenant

**Compliance Title & Description**

10.01 (t) (Construction Work Engineering Designs In International Standards) Ensure that prior to the construction of a bunker or any other structure with the GCF Proceeds disbursed to the Accredited Entity under the first Disbursement, an engineering design commensurate with international standards, including appropriate conditions for storage, is completed.

**Status of compliance**

Activity not yet started.

#### 4.1.3 Provide a report on the progress made during the reporting period in implementing environmental and social management plans (ESMPs) and frameworks (ESMFs) describing achievements and specifying details outlined in the tables below.

**Implementation of ESMPs and ESMFs****Activities implemented during the reporting period, including monitoring**

Open and competitive bidding selection

**Outputs during the reporting period**

Hiring of consultants

**Key environmental, social and gender issues, risks and impacts addressed during implementation**

Ensure transparency of national decision-making processes, RFPs include clauses on non-discrimination, equal opportunities and inclusion of persons with different abilities.

**Any pending key environmental, social and gender issues needing accredited entity's actions and GCF attention**

No issues to report. The project hired Alpha Engineering. The procurement process was competitive, and their Terms of Reference included equal opportunity clauses.

**4.1.4 AEs are obligated to inform executing entities, people and project beneficiaries about the GCF's Independent redress Mechanism and the AE's own Grievance Redress Mechanism. This includes bringing the contact details, accessibility, and basic procedures of such mechanisms to the attention of executing entities, people and project beneficiaries. Please provide detailed information on the steps taken by the AE to fulfill this obligation during the reporting period in the project target area and to the public, including the dissemination of information through meetings, brochures, hotlines, and other means.**

Please provide detailed information including dates and venues of activities, number of attendees, confirmation that information was provided on the 1) IRM and 2) AE's grievance redress mechanism 3] project-level grievance mechanism (where applicable).

Project executing entities and key stakeholders were informed of the GCF's policies relating to grievances and redress during project development, post approval, and at the three-day Inception Workshop. Antigua and Barbuda's GCF Build project team and local stakeholders is set to receive training on the AE's Grievance Redress Mechanism (GRM) in 2022.

The AE's GRM is hosted on the DOE ATG's website at <https://environment.gov.ag/contact> where there are direct links to three (3) Complaints Forms:

i.) External Complaints / Project Complaints

at <https://app.smartsheet.com/b/form/cb1a124a74464029b91c9fbc05d024f2>

ii.) Whistleblower Complaints

at <https://app.smartsheet.com/b/form/54c535bc963544ebb2ddaa2e1ce18958>

iii.) Environment Complaints (Biodiversity and Protected Areas Unit) at

<https://app.smartsheet.com/b/form/0b30e9d9a985438f88d3595978ec5475>

Complaints could be submitted in persons at: Department of Environment, #1 Victoria Park Botanical Gardens, Factory Road, St. John's, Antigua, W.I. Tel: +1268 462 4625 OR Emailed to "antiguaenvironmentdivision@gmail.com" or [doe@ab.gov.ag](mailto:doe@ab.gov.ag). An instructional video on the use of AE's GRM can be found at "<https://www.youtube.com/watch?v=OTaAUjwPcA>"

**4.1.5 Include a description of the actions undertaken during the reporting period towards increasing the relevant stakeholders' engagement in the project environmental, social and gender elements.**

The information in this subsection should be provided for all projects regardless of the E&S risk category for the project.

**Implementation of the stakeholder engagement plan**

**Activities implemented during the reporting period**

Sub-activity 2.4.3

This activity is currently being worked on and with a draft of the concept note.

**Dates and venues of engagement activities**

April 12, 2022 - Conference Room of the Treasury Department

**Information shared with stakeholders**

No issues to report. The stakeholders included focal points from various tertiary level institutions to introduce them to the opportunity to participate in the project's apprenticeship programme, the importance of achieving gender balance in the apprenticeship programme and to sensitise them to the need to make appropriate arrangements to ensure that their enrolment of students benefit from the opportunity. The need to incorporate and appropriately facilitate any disabled students was also highlighted.

**Outputs including issues addressed during the reporting period**

No issues to report. The stakeholders targeted focal points from various tertiary level institutions to introduce them to the idea of incorporating their students into the apprenticeship programme.

**Activities implemented during the reporting period**

Sub-activity 2.4.3 - This activity is currently being worked on. A draft concept note prepared.

**Dates and venues of engagement activities**

April 5, 2022 - Antigua Barbuda Defense Force (ABDF) Conference Room.

**Information shared with stakeholders**

The ABDF was apprised of the opportunity to participate in the project's apprenticeship programme, the importance of achieving gender balance in the apprenticeship programme and to sensitise them to the need to make appropriate arrangements to ensure that qualifying enrolees benefit from the opportunity. The need to incorporate and appropriately facilitate any disabled enrolled personnel was also highlighted.

**Outputs including issues addressed during the reporting period**

No issues to report. The stakeholders from the Defense Force have agreed to participate in the programme to receive training and assist in executing sections of component 1.

**Activities implemented during the reporting period**

Sub-activity 2.3.3 - activity not yet implemented, however, preparatory work was initiated.

**Dates and venues of engagement activities**

April 11, 2022 - Meeting with the Antigua and Barbuda Institute of Continuing Education (ABICE) at ABICE Conference Room.

**Information shared with stakeholders**

Preliminary discussions on the general project objectives and specific role which the project anticipates ABICE will play in the execution of this sub-activity and the heightened emphasis on achieving gender equity and reaching and incorporating disabled persons.

**Outputs including issues addressed during the reporting period**

Probable human resource and institutional facilities deficiencies were flagged by ABICE.

**Activities implemented during the reporting period**

Sub-activity 2.4.1 - activity not yet implemented, however, preparatory work was initiated.

**Dates and venues of engagement activities**

April 14, 2022 - Ministry of Finance Project Management Unit Conference Room

**Information shared with stakeholders**

Preliminary discussions on the general project objectives and specific role which the project anticipates the University of the West Indies Five Islands Campus (UWIFIC) will play in the execution of this sub-activity and the heightened emphasis on achieving gender equity and reaching and incorporating disabled persons.

**Outputs including issues addressed during the reporting period**

UWIFIC to revert with any probable challenges.

#### 4.1.6 Implementation of the grievance redress mechanism - list on the grievances received in the reporting period with the description of the grievance, the date the grievance was received, and the resolution of the grievance.

<b>Description of issues/complaints received during the reporting period</b>	<b>Date of receipt</b>
No complaints submitted during the period.	
Please specify to which grievance mechanism the complaint was filed (AE grievance mechanism or project-level grievance mechanism, if known, please explain relationship of the complainant to the project (for example: community member, contractor, business-owner, etc.))	
<b>Description of resolution</b>	<b>Status of addressing issues/complaints</b>
Based on GRM's own policies, provide information related to phase of complaint (for example: including but not limited to Open, Open: Under investigation, Open: Problem Solving/Compliance Review, Closed)	
<b>If you wish to share more details on the nature of grievances reported above, please download the Grievance Tracker template below and submit it as an attachment here.</b>	
In case you want to keep the file confidential, please choose your preference accordingly in Section 1.1.	
<b>Please click the link below to download the grievance tracker template for Section 4.1.6.</b>	
<a href="#">Grievance tracker template</a>	

## 4.2 Gender Action Plan

The Gender Action Plan covers all three Outputs with an addition of a few activities. The implementation of the activities in the GAP this the first year of the project was delayed. No activity has been executed where the GAP is concerned. However, plans are now in place to implement these activities. Each output integrates the activities within the workplan and timeline.

Provide a progress report on the gender action plan developed during project preparation stage for the reporting period. This will primarily be a report on activities undertaken and results achieved as a result of completion of an activity. Further it should also indicate if the project is on track to achieving the intended outcome(s). The reporting should be done for activities, targets and indicators already set in the action plan including on vulnerable groups (youth, poor, female heads of households, etc.) as would have been identified in the gender analysis and action plan. If activities or targets are not achieved as per plan, reasons should be provided, and recourse action should be proposed. Please include a reporting on any changes or deviations. Include a Report on implementation challenges and lessons learnt and how these will inform on-going actions and what action will be taken by when to address the challenges faced. Incorporate both quantitative data and qualitative report of the performance of such actions, and on progress on actions identified.

### 4.2.1 Progress on implementing the project-level gender action plan submitted with the funding proposal

<b>Activity / Action</b>	
Sub-activity 2.4.3 Design and implement an apprenticeship program to support the participation of persons between the ages of 16-24 years in the project's construction activities	
<b>Indicator</b>	
Percentage of women who completed the apprenticeship program	
Equal opportunities are provided for men and women to participate in the new procedures training	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% women who complete apprenticeship programme have access to construction jobs	30% of women who complete the program have increased access to construction jobs
0% men and 0% women participate in procedures training	50% men and 50% women participate in the new procedures training
<b>Budget</b>	<b>Currency</b>
200 000	USD
<b>Report on annual progress</b>	
The concept note for this activity has been drafted and is awaiting approval.	

<b>Activity / Action</b>	
Develop gender responsive knowledge and communication products that include the promotion of women in construction	
<b>Indicator</b>	
Percentage of men and women who had access to tools to appropriately address climate change and its impact on infrastructure (regardless of their literacy levels)	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% of men and women have increased knowledge and access to appropriate tools to address climate change impacts in construction of critical infrastructure (regardless of their literacy levels)	50% of men and women have increased knowledge and access to appropriate tools to address climate change impacts in construction of critical infrastructure (regardless of their literacy levels)
<b>Budget</b>	<b>Currency</b>
25 000	USD
<b>Report on annual progress</b>	
No progress to report in this period.	

<b>Activity / Action</b>	
Sub-activity 1.1.1. Conduct detailed consultations on the design of gender responsive shelters with RE back up energy systems	
<b>Indicator</b>	
Percentage of recommendations made by key stakeholders (men, women, vulnerable groups) that were implemented in shelter designs.	
Percentage of special needs participants during consultations.	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% of recommendations by key stakeholders (men, women and disabled groups) are reflected in the improved design of shelters	20% of recommendations by key stakeholders (men, women and disabled groups) are reflected in the improved design of shelters
0% of participants at the consultations are persons with special needs	10% of participants at the consultations are persons with special needs
<b>Budget</b>	<b>Currency</b>
15 000	USD
<b>Report on annual progress</b>	
No progress to report in this period.	

<b>Activity / Action</b>	
Sub-activity 1.2.4. Integrate access and the needs of individuals, families, the elderly and persons with special needs into health and safety protocols of shelters	
<b>Indicator</b>	
Ensure quality health and safety protocols to benefit persons who reside at the shelters during the season.	
Percentage of men, women, vulnerable groups who are satisfied with the health and safety services provided by the shelters	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% of individuals, families and persons with special needs benefitting from enhanced access to services and quality of health and safety protocols	50% of individuals, families and persons with special needs benefitting from enhanced access to services and quality of health and safety protocols
0% of persons report satisfaction with the health and safety services provided at the shelters	At least 40% of persons report satisfaction with the health and safety services provided at the shelters
<b>Budget</b>	<b>Currency</b>
30 000	USD

**Report on annual progress**

No progress to report in this period.

**Activity / Action**

Sub-activity 2.1.1. Prepare a Strategic Impacts Assessment (SIA) of the regulations related to the Building Code

**Indicator**

% of women and men's spending as an impact of the code

**Baseline**

0 cost of constructing at Cat 5 due to the updated Building Code

0% of women and men with increased spending as an impact of the code (to be updated)

**Target, including sex-disaggregation**

Cost of constructing at Cat 5 increase by 30% due to the updated Building Code

% of women and men with increased spending as an impact of the code (to be updated)

**Budget**

10 000

**Currency**

USD

**Report on annual progress**

No progress to report in this period.

**Activity / Action**

Sub-activity 2.2.4. Develop lessons learnt to communicate that the SIRF Fund is assisting persons who cannot access financing for the additional cost related to the code

**Indicator**

% of SIRF applicants who are women accessing financing annually

**Baseline**

0% of applicants who access financing through the SIRF Fund annually are women

**Target, including sex-disaggregation**

50% of applicants who access financing through the SIRF Fund annually are women

**Budget**

22 500

**Currency**

USD

**Report on annual progress**

The SIRF Fund annual report notes that 66 men applied and approved while 131 women applied and approved. In total, 197 applied and were approved, 33% being men and 67% being women.

**Activity / Action**

Sub-activity 2.3.4. Design gender responsive communication tools to target men and women differently in both the public and private sector on the updated building code, the benefits of taking up climate-adaptive solutions within the building sector as well as the availability of certified climate change course

**Indicator**

% of persons in the private sector that benefit from information to allow scaling up are women  
% of persons trained in new standards for water harvesting and RE systems are women

**Baseline**

0% of persons in the private sector that benefit from information to allow scaling up are women  
0% of persons trained in new standards for water harvesting and RE systems are women

**Target, including sex-disaggregation**

50% of persons in the private sector that benefit from information to allow scaling up are women  
30% of persons trained in new standards for water harvesting and RE systems are women

**Budget**

27 000

**Currency**

USD

**Report on annual progress**

No progress to report in this period.

**Activity / Action**

Sub-activity 2.3.3. Design and conduct gender-sensitive certification training programmes on how to support the installation, operation and maintenance of the climate change adaptation solutions

**Indicator**

% of men and women in the workforce are retrained  
 % of students trained are women  
 % courses developed are gender sensitive  
 % of participants demonstrate an understanding of new adaptation solutions

**Baseline**

0% of men and women in the workforce are retrained  
 0% of students trained are women  
 0% courses developed are gender sensitive  
 0% of participants demonstrate an understanding of new adaptation solutions

**Target, including sex-disaggregation**

50% of men and women in the workforce are retrained  
 50% of students trained are women  
 All courses developed are gender sensitive  
 70% of participants demonstrate an understanding of new adaptation solutions

**Budget**

22 500

**Currency**

USD

**Report on annual progress**

No progress to report in this period.

**Activity / Action**

Sub-activity 3.2.1. Develop information and communication products based on stakeholder workshops that aim to reduce losses and damage and risks for the benefit of males, females, and vulnerable communities

**Indicator**

Ensure all information and communication are gender sensitive and are tailored to meet each sex and the vulnerable communities.

At least 50% of the recommendations of the design of communication products should come from key stakeholder.

**Baseline**

0% of information and communication products are gender responsive and tailored to meet the differential needs of males, females, and vulnerable communities  
 0% of recommendations by key stakeholders are integrated into the design of communication products

**Target, including sex-disaggregation**

100% of information and communication products are gender responsive and tailored to meet the differential needs of males, females, and vulnerable communities  
 50% of recommendations by key stakeholders are integrated into the design of communication products

**Budget**

37 000

**Currency**

USD

**Report on annual progress**

No progress to report in this period.

**Activity / Action**

Promote gender balance as well as sustainable procurement in AE'S procurement policies (with consideration given in the selection of goods and services to persons with disabilities and persons of varying ages)

**Indicator**

A balance of men and women on the Project Management team

<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% of men and 0 % women on project management team	50% of men and 50% women on project management team
<b>Budget</b>	<b>Currency</b>
0	USD
<b>Report on annual progress</b>	
The project team is almost at a balance where there is a count of 4 men and 6 women.	

<b>Activity / Action</b>	
Ensure office space is gender responsive	
<b>Indicator</b>	
# of special needs persons work on the project management team	
# of secured special provisions to facilitate persons under the age of 24 and over 60 to work on the project team	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0 special needs persons work on the project management team	At least 2 special needs persons are working in the PMU by project end
0 secured special provisions to facilitate persons under the age of 24 and over 60 to work on the project team	Special provisions are made to facilitate persons under the age of 24, and over the age of 60 to work on the project team (number to be determined)
<b>Budget</b>	<b>Currency</b>
	Please select
<b>Report on annual progress</b>	
Project team includes one worker under the age of 24 and one worker over the age of 60.	
The GCF Build procured three (3) interns for the summer period to perform data collection. All under the age of 24.	

<b>Activity / Action</b>	
Provide gender training for all project staff	
<b>Indicator</b>	
Equal representation of the sexes at gender awareness training.	
At least three reports of sex disaggregated data per year	
<b>Baseline</b>	<b>Target, including sex-disaggregation</b>
0% of men and 0% of women represented at gender awareness training sessions	50% of men and 50% of women represented at gender awareness training sessions
0 reports include sex-disaggregated data per year	At least 3 reports include sex-disaggregated data per year
<b>Budget</b>	<b>Currency</b>
	USD
<b>Report on annual progress</b>	
No progress to report as no trainings were completed.	

4.3 Planned activities on environmental and social safeguards for the next reporting period

2. Conduct and engage in adequate consultations with stakeholders and community members on the impact that the first few selected buildings will have for Output 1.
3. Provide oversight on the bidding for the consultants for each component as well the cross-cutting staff to ensure that relevant specifications and measurements related to Environment and Social Safeguards are included.
4. Prepare a Strategic Impact Assessment (SIA) of the regulations related to the Building Code with assistance from the Department of Environment and the Output 2 Coordinator.
5. Provide assistance in monitoring and implementing accurate baseline studies for each Outputs to ensure Environmental and Safeguard measures.
6. Integrate ESS into manuals and training sessions for all three Outputs to establish capacity building.
7. Introduce a ESS and Gender ad hoc committee to review and advise on the ESIA's in order to develop the ESMP for each building. This committee will entail environmental, social and gender expertise.
8. Develop a tool to assess the building's by utilizing the ESS and Gender standards.

Provide a list of activities in the ESMP to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products. Please include the monitoring schedule concerning ESS (including other potential vulnerable groups and indigenous people) for the next annual reporting period.

#### 4.4 Planned activities on gender elements for the next reporting period

1. Continue implementation of the first apprenticeship programme to assist in the construction activities of the project (Output 1).
2. Design gender responsive communication tools to target men and women differently in both the public and private sector (construction sector).
3. Engage with GCF Build stakeholders to conduct detailed consultations on the design of gender responsive shelters with RE back up energy systems. These consultations will give the stakeholders an opportunity to engage themselves in understanding the necessity and the operation of these systems.
4. Continue providing assistance in developing Terms of References' and participate in the procurement process to ensure gender sensitivity and non-discriminatory practices.
5. Provide gender training for all project staff.
6. Ensure as much as possible to ensure a complete balance on the project team.
7. Provide gender sensitive training for component 2.
8. Ensure that building designs are inclusive and accessible.

Provide a list of activities in the gender action plan to be implemented in the next reporting period. Include relevant deliverables such as reports or action plans, and other project specific products including processes that will be involved to implement the activities effectively. Please include the monitoring schedule concerning gender activities for the next annual reporting period. Report on actions taken on any of the recommendations made by the secretariat (if applicable) to improve the level of integration of gender issues in the project.

#### Confirmation and Acknowledgement of Information \*

\* This is a required question to submit section 4 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 4 is complete and ready for submission.

## APR CY2022 Section 5: Annexes and Attachments - v3 2024-01-17 01:07 +09:00

### [APR CY2022] Section 5: Annexes and Attachments

Please note that this is section 5 of the five Annual Performance Report (APR) sections. APR will be considered valid only after all the five sections are filled with relevant details.

#### Annex 1: Accredited Entity compliance reports

Self-assessment reports, Report on Actions pursuant to Clause 18.02, if applicable. Self-assessment reports: In accordance with the AMA requirement in Clause 13.01 of the Accreditation Master Agreement, with the Fiduciary Principles and Standards, ESS and Gender Policy. Report on Actions pursuant to Clause 18.02: Only applicable to International Accredited Entities. In accordance with the Monitoring and Accountability Framework, a report on its actions carried out or planned to be carried out pursuant to Clause 18.02 of the Accreditation Master Agreement.

**Please provide comments on the annexes attached above if any.**

#### Procurement information (on a voluntary basis)

**Please download the procurement information template available in Excel below.**

[Procurement information template](#)

**Please attach the procurement information here.**

Please provide information on goods and services procured under GCF-funded projects/programmes. The information is being collected to increase transparency of activities undertaken with GCF resources. This exercise does not imply or require any change in the procurement processes already agreed with the GCF and is purely for information purposes. Please provide information on cumulative procurement activities undertaken in each project/programme funded by the GCF.

#### Attachments

**Please submit any attachments (if any).**

[GCF FP\\_Antigua and Barbuda\\_Build\\_Annex 26\\_Emissions Reduction Analysis\\_29 April 2020 CLEAN.pdf](#)

[FINALFINAL-annual-performance-report-financial-information-section-3 GCF BuildJan-Dec2022.xlsx](#)

[GAP Activities for Next Reporting Period -GCF Build -APR 2022.pdf](#)

[Procurement Plan GCF Build Jan-Dec 2023\\_21 Mar 24\\_Final.xlsx](#)

[GCF-Build Implementation Plan .xlsx](#)

[SIRFF \(GCF-Build\) Term Sheet\\_Final\\_Signed \(2023\).pdf](#)

**Confirmation and Acknowledgement of Information \***

\* This is a required question to submit section 5 of the Annual Performance Report (APR).

The accredited entity hereby confirms that the information provided in section 5 is complete and ready for submission.