



ADAPTATION FUND

AFB/PPRC.28/30
4 October, 2021

Adaptation Fund Board
Project and Programme Review Committee
Twenty-Eighth Meeting
Bonn, Germany (Virtually held) 11-13 October 2021

Agenda Item 7 b)

PROPOSAL FOR ENHANCED DIRECT ACCESS PROJECT FOR BELIZE

Background

1. At its thirtieth meeting, having considered document AFB/B.30/5/Rev.1, the Adaptation Fund Board decided:

(a) To adopt the medium-term strategy as amended by the Board, as contained in the Annex 1 of the document AFB/B.30/5/Rev.1 (the MTS); and

(b) To request the secretariat:

(i) To broadly disseminate the MTS and work with key stakeholders to build understanding and support;

(ii) To prepare, under the supervision of the MTS task force, a draft implementation plan for operationalizing the MTS, containing a draft budget and addressing key assumptions and risks, including but not limited to funding and political risks, for consideration by the Board at its thirty-first meeting; and

(iii) To draft, as part of the implementation plan, the updates/modifications to the operational policies and guidelines of the Adaptation Fund needed to facilitate implementation of the MTS, for consideration by the Board at its thirty-first meeting.

(Decision B.30/42)

2. Pursuant to decision B.30/42, subparagraph b (ii), the secretariat prepared a draft implementation plan for the MTS, including an assessment of assumptions and risks. The secretariat shared a version of the draft with the MTS task force for comments.

3. The draft implementation plan also contains suggestions for specific funding windows that might be opened under the MTS in complement of the Fund's existing funding windows for single-country and regional adaptation projects and readiness support projects. Following the approval of the implementation plan, the secretariat would present specific proposed details for each new funding window at subsequent meetings of the Board for its consideration, in accordance with the timeline contained in the implementation plan.

4. At its thirty-first meeting, the Adaptation Fund Board discussed the draft implementation plan for the MTS, and members of the Board proposed amendments to the document. The secretariat then presented a revised draft, in document AFB/B.31/5/Rev.1. Having considered that document, the Board decided:

(a) To approve the implementation plan for the medium-term strategy for the Fund for 2018–2022 contained in the Annex I to document AFB/B.31/5/Rev.1 (the plan);

(b) To request the secretariat:

[...]

- (iii) *To prepare, for each proposed new type of grant and funding window, a specific document containing objectives, review criteria, expected grant sizes, implementation modalities, review process and other relevant features and submit it to the Board for its consideration in accordance with the tentative timeline contained in Annex I to document AFB/B.31/5/Rev.1, with input from the Board's committees;*
- (iv) *Following consideration of the new types of support mentioned in subparagraph (b)(iii), to propose, as necessary, amendments to the Fund's operational policies and guidelines Fund to better facilitate the implementation of such new types of support; and*

[...]

(Decision B.31/32)

5. Having recognized that there was a high level of interest among the Fund's stakeholders on Enhanced Direct Access (EDA), a specific funding window on EDA was included in the MTS implementation plan to complement the Fund's existing funding window for single-country projects.

6. At the second session of its thirty-fifth meeting the Board considered the document AFB/PPRC.26.b/18, Window for Enhanced Direct Access under the MTS and the Board decided:

- (a) *To approve the pilot for projects submitted through the window for enhanced direct access (EDA) to promote EDA and further promote locally led adaptation under the Fund;*
- (b) *That the pilot window to promote EDA projects/programmes shall be available to national implementing entities (NIEs) only, in the form of a grant up to a maximum of US\$5 million per country;*
- (c) *That the window for EDA will not count against what the country could access under the country cap established by the Board for regular concrete projects/programmes;*
- (d) *That the execution costs for proposals submitted under the EDA window should be up to a maximum of 12 per cent of the total project/programme budget requested before the implementing entity fees, and should not exceed 1.5 per cent in cases where the Implementing Entity has also taken on the role of Execution Entity for the proposed project/programme activities, and that the implementing entity fee should be up to a maximum of 10 per cent of the total project costs;*
- (e) *That NIEs submitting proposals through the EDA window should do so using the existing approved proposal template and guideline materials for regular concrete projects/programmes nonetheless taking note of the project fees in subparagraph (d) and that EDA proposals submitted through the two-step project approval process are eligible for the project formulation grant and project formulation assistance grant as per the approved criteria by the Board for those grants;*

(f) That the review cycle and approval of projects/programmes submitted through the EDA window shall follow the review and approval process as well as reporting requirements for regular projects/programmes under the Fund notwithstanding adherence to subparagraph where it concerns the review and approval of project fees; and

(g) To request the secretariat to present to the PPRC at its twenty-eighth meeting, an analysis of the project review cycle for EDA projects including an update on the implementation status of the EDA window.

(Decision B.35.b/10)

7. Having considered the recommendation of the Project and Programme Review Committee, the Board decided to include in its work programme for fiscal year 2022 a provision for an amount of US\$ 20.2 million, to be provisionally set aside as follows:

(h) Up to US\$ 20 million for the funding of Enhanced Direct Access projects;

(i) Up to US\$ 200,000 for the funding of project formulation and project formulation assistance grant requests for preparing Enhanced Direct Access fully-developed project documents.

(Decision B.36/2)

8. Subsequently the first call for project and programme proposals under the indicative set amount of US\$ 20 million was issued to eligible Parties to submit Enhanced Direct Access project and programme proposals to the Fund through accredited NIEs.

9. The following project concept proposal document titled "Building Community Resilience via Transformative Adaptation " was submitted for Belize by the Protected Areas Conservation Trust (PACT), which is a National Implementing Entity of the Adaptation Fund.

10. This is the first submission of the proposal using the two-step submission process.

11. The current submission was received by the secretariat in time to be considered in the thirty seventh Board meeting. The secretariat carried out a technical review of the project proposal, assigned it the Project ID number AF00000271 , and completed a review sheet.

12. In accordance with a request to the secretariat made by the Board in its 10th meeting, the secretariat shared this review sheet with PACT and offered it the opportunity of providing responses before the review sheet was sent to the PPRC.

13. The secretariat is submitting to the PPRC the summary and, pursuant to decision B.17/15, the final technical review of the project, both prepared by the secretariat, along with the final submission of the proposal in the following section. In accordance with decision B.25/15, the proposal is submitted with changes between the initial submission and the revised version highlighted or with track changes.



ADAPTATION FUND

ADAPTATION FUND BOARD SECRETARIAT TECHNICAL REVIEW OF PROJECT/PROGRAMME PROPOSAL

PROJECT/PROGRAMME CATEGORY: EDA - Regular-sized Project Concept

Country/Region:	Belize	
Project Title:	Building Community Resilience via Transformative Adaptation	
Thematic Focal Area:	Multisector	
Implementing Entity:	Protected Areas Conservation Trust (PACT)	
Executing Entities:	PACT	
AF Project ID:	AF00000271	
IE Project ID:		Requested Financing from Adaptation Fund (US Dollars): 5,000,000
Reviewer and contact person:	Farayi Madziwa	Co-reviewer(s): Alyssa Gomes
IE Contact Person:	Denaie Swasey	

Technical Summary	<p>The project “Building Community Resilience via Transformative Adaptation” aims to restore, and enhance the protection of, vital ecosystem and corresponding ecosystem services to improve the well-being and livelihoods of vulnerable communities that are dependent on natural resources in the face of climate change and variability. This will be done through the five components below:</p> <p><u>Component 1:</u> Safeguarding Forest and Water Resources through strategic protection and restoration solutions (USD 1,110,000).</p> <p><u>Component 2:</u> Combating wildfires through adaptive management (USD 1,100,000)</p> <p><u>Component 3:</u> Creating opportunities to support alternative livelihoods (USD 1,302,500).</p> <p><u>Component 4:</u> Building national capacity to access adaption finance (USD 280,000)</p> <p><u>Component 5:</u> Community disaster risk management (USD 684,820).</p> <p><u>Requested financing overview:</u> Project/Programme Execution Cost: USD 68,180 Total Project/Programme Cost: USD 4,545,500</p>
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	<p>Implementing Fee: USD 454,500 Financing Requested: USD 5,000,000</p> <p>The proposal includes a request for a project formulation grant of USD 30,000 and project formulation assistance grant of USD 20,000.</p> <p>The initial technical review raised some issues, such as rationality for EDA, cost effectiveness of proposed activities, project sustainability, gender considerations and exceeding the limit of the IE management fee as is discussed in the number of Clarification Requests (CRs) and Corrective Action Request (CAR) raised in the review.</p> <p>The final technical review finds that the proposal has addressed all of the CR and CAR requests.</p>
Date:	16 September 2021

Review Criteria	Questions	Comments 23 August 2021	Comments 16 September 2021
Country Eligibility	1. Is the country party to the Kyoto Protocol?	Yes	-
	2. Is the country a developing country particularly vulnerable to the adverse effects of climate change?	Yes. Belize is highly vulnerable to the climate change impacts such as sea level rise, erosion, storm surges and flooding. The country is a low-lying developing state and has strong dependence on natural resources and ecosystem services (pages 2-3).	-
Project Eligibility	1. Has the designated government authority for the Adaptation Fund endorsed the project/programme?	Yes , as per the endorsement letter dated 19 July 2021	-
	2. Does the length of the proposal amount to no more than Fifty pages for the project/programme concept, including its annexes?	Yes. The concept is 36 pages long including annexes.	-

	<p>3. Does the project / programme support concrete adaptation actions to assist the country in addressing adaptive capacity to the adverse effects of climate change and build in climate resilience?</p>	<p>To an extent, yes.</p> <p>Whilst proposed concrete activities and theory of change are clear, the explanation of how the EDA rationale in relation to the climate scenario(s) outlined in the background and context section is not clear. The EDA model or mechanism that will be employed under each of the project components in terms of how the model will work, who is targeted to receive funding and the pathway(s) for fund flows is unclear. An explanation of how Component 2 falls outside of “business as usual” should be provided.</p> <p>CR1: Please provide an explanation and description of why an EDA mechanism would be best in addressing the adaptation challenges and needs identified in the proposal.</p> <p>CR2: Please include an explanation of how the model will work, who is targeted (or broad category of recipients, e.g, individuals, CSOs, local governments etc) to receive funding under the different components and the pathway(s) for fund flows.</p> <p>CR3: Please clarify whether the</p>	<p>CR1: Cleared, on pages 17 and 18. EDA modality will enable fund flows to the micro-level and bottom-up designing and development of climate resilient activities.</p> <p>CR2: Cleared, for the concept stage. However, <u>for the fully developed proposal</u> a diagram should be provided that shows the structure of the model. It should be clear from the diagram how decision-making within the EDA model will flow and how funds will flow, from the NIE to which second tier group, and from the second tier to the third tier if applicable, including any other structures that may feed into the decision-making process e.g, steering committee, project management committee etc.</p> <p>CR3: Cleared, on page 14. The EDA model will be an on-granting mechanism only.</p> <p>CR4: Cleared, on page 16. Whilst fire management can be a business-as-usual activity, the proposed activities under the project build the adaptive capacities of communities and directly contribute to adaptation actions in the Human Health, Agriculture and Land Use/Human Settlements</p>
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		<p>proposed mechanism will be doing on-granting, loans or a mix.</p> <p>CR4: Please explain how Component 2 falls outside a “business as usual” development initiative and if it is part of “business as usual”, please provide justification in the context of achieving the adaptation goals of the project.</p>	Sectors in Belize.
	<p>4. Does the project / programme provide economic, social and environmental benefits, particularly to vulnerable communities, including gender considerations, while avoiding or mitigating negative impacts, in compliance with the Environmental and Social Policy and Gender Policy of the Fund?</p>	<p>Largely, yes.</p> <p><u>For the fully developed proposal</u> please quantify benefits as far as is possible and provide information on the expected beneficiaries of the project, with particular reference to the equitable distribution of benefits to vulnerable communities, households, and individuals.</p> <p>CAR1: Please include an initial gender analysis and/or assessment to determine the different needs, capabilities, roles and knowledge resources of women and men, and/or identify how changing gender dynamics might drive lasting change.</p> <p>Please demonstrate how the findings of the initial gender assessment are integrated as</p>	<p>CAR1: Cleared for the concept stage and initial gender assessment has been included in Annex 2.</p> <p>However, <u>at the fully developed proposal stage</u> the assessment should describe how the project will address the different needs, capabilities, roles and knowledge resources of women and men.</p>

		gender-responsive implementation and monitoring arrangements, including gender-responsive indicators.	
	5. Is the project / programme cost effective?	<p>Not clear. Considering that CRs1-4 will be addressed, the proposal provides a logical explanation of the selected scope and approach. However, it does not provide a clear description of the alternative options to the proposed measures.</p> <p>CR5: Please identify alternative(s) that could achieve the same outcomes. For the concept stage, only an identification of alternative option(s) is required. However, for the fully developed proposal, a detailed description and explanation of how the proposed project activities are more cost effective than identified alternative(s) that could achieve the same outcome, including how proposed cost effectiveness is ideal from a sustainability point of view</p>	<p>CR5: Cleared, for the concept stage on pages 20 and 21.</p> <p>However, <u>the fully developed proposal</u> should provide quantitative estimates or an indicative description of cost size differentiation between the costs for the chosen activities and the cost of the alternative where feasible.</p>
	6. Is the project / programme consistent with national or sub-national sustainable development strategies, national or sub-national development	Yes, as described on page 20. The project is consistent with the National Climate Change Policy, Strategy and Action Plan, the NDC, Forest Policy and the National	-

	plans, poverty reduction strategies, national communications and adaptation programs of action and other relevant instruments?	Biodiversity Strategy and Action Plan.	
	7. Does the project / programme meet the relevant national technical standards, where applicable, in compliance with the Environmental and Social Policy of the Fund?	Yes , as described on page 21. Relevant regulations in the water, agriculture and forestry sectors will be followed and all relevant permits for specific USP activities will be obtained prior to their implementation.	-
	8. Is there duplication of project / programme with other funding sources?	No , as described on pages 21-22. The project draws on lessons from earlier projects and scales up previous activities as well as furthers the efforts of previous adaptation initiatives. CR6: Please confirm that the project is not a duplication of the GCCA project funded through the European Union implemented between 2012 and 2014 and whose project details are available here: https://www.gcca.eu/programmes/enhancing-belizes-resilience-adapt-effects-climate-change .	CR6: Cleared , on page 23. The current project will build on and scale up training and lessons learnt from the previous project.
	9. Does the project / programme have a learning and knowledge management component to capture and feedback lessons?	Yes , as describe on page 22. A description of knowledge management activities is provided and a knowledge sharing program is included as an output under Component 4.	-

	<p>10. Has a consultative process taken place, and has it involved all key stakeholders, and vulnerable groups, including gender considerations in compliance with the Environmental and Social Policy and Gender Policy of the Fund?</p>	<p>Yes, an initial consultative process has taken place, with key stakeholders. (pages 22 and 23).</p> <p>CAR3: Please provide consultation reports where available as an Annex to proposal.</p> <p>Evidence of consultations with local communities and marginalized and vulnerable groups and indigenous peoples as relevant is strongly advised <u>at the fully developed proposal document stage</u>, including explanation of how their concerns were considered during project design and development.</p>	<p>CAR3: Cleared. Evidence of consultations inserted in Annex 3.</p> <p>At the <u>fully developed proposal stage</u> a description of the comprehensive, gender-responsive consultative process that would have taken place should be included.</p> <p>Documentation of the consultative process should include a) the list of stakeholders already consulted (principles of choice, role ascription, date of consultation), b) a description of the consultation techniques (tailored specifically per target group), c) the key consultation findings (in particular suggestions and concerns raised).</p> <p>The implementation arrangements section of the proposal should include a framework allowing for stakeholders' views to be heard during project implementation</p>
	<p>11. Is the requested financing justified on the basis of full cost</p>	<p>Yes, as described on pages 23 and</p>	<p>-</p>

	of adaptation reasoning?	<p>24.</p> <p><u>At the fully developed proposal stage</u> please also include an explanation of the EDA rationale in relation to relevance in addressing the project's adaptation objectives and that, taken solely, without additional funding from other donors, proposed activities will help achieve these objectives.</p>	
	12. Is the project / program aligned with AF's results framework?	<p>Yes. Alignment with AF outcomes 2,3,4,5,6 and 8 have been provided on pages 9 and 10.</p> <p>However, for the fully developed proposal, please provide a detailed table that demonstrates the alignment of project objectives plus objective indicators with AF outcomes and outcome indicators and alignment of project outcomes plus indicators with AF outputs and output indicators. Also include a table demonstrating project alignment with Adaptation Fund Core Impact Indicators.</p>	-
	13. Has the sustainability of the project/programme outcomes been taken into account when designing the project?	<p>Not clear. Sustainability has been explained in terms of EEs taking over post project completion as activities are embedded in their mandates. However, it is unclear how all areas of sustainability will be addressed. (pages 24 and 25).</p>	<p>CR7: Cleared, on pages 26-28.</p> <p>Under component 3, the EE will explore the establishment of formal structures with financial institutions to support the maintenance or expansion of businesses and products from alternative livelihood actions. The financial sustainability</p>

		<p>CR7: Please provide an explanation of the arrangements through which any infrastructure or installations to be developed, policies and governance arrangements to be developed and implemented, knowledge to be generated and management and other capacity to be improved, etc will be sustained in long term, under the key areas of sustainability that include but are not limited to economic, social, environmental, institutional, and financial sustainability.</p>	<p>is also tied to the EE's institutional sustainability which related to the creation of formal mechanisms and structures that can guide national actions towards the achievement of a common goal and strengthening the mandates of the executing entities. In line with this, EEs will oversee the maintenance of the equipment and infrastructure provided to them under the project, which enable them to carry out day to day activities.</p>
	<p>14. Does the project / programme provide an overview of environmental and social impacts / risks identified, in compliance with the Environmental and Social Policy and Gender Policy of the Fund?</p>	<p>Not clear. A checklist of environmental and social principles is included in on pages 26-28. However, the project category is not commensurate with the results of the initial identification and screening of environmental and social risks presented in the table. In addition, there is no description or initial assessment of gender considerations.</p> <p>CAR4: Please revise the project category to align with the results from initial identification and screening of environmental and social risks. Please also provide an initial gender assessment, ideally providing qualitative and quantitative data for gender roles, activities, needs, and available opportunities and challenges or</p>	<p>CAR4: Cleared, on page 28.</p> <p>The project has been reclassified as Category C and an initial gender assessment has been included in Annex 2.</p> <p>Please note that <u>for the fully developed proposal</u>, an ESMP must be submitted that</p> <ul style="list-style-type: none"> - Provides a detailed description of the process that will be applied during project implementation to ensure that all USPs comply with the AF ESP. - Contains clearly allocated roles and responsibilities for its implementation, - Includes opportunities for consultation and adaptive management, clear

		<p>risks for men and women.</p> <p>Please note that <u>for the fully developed proposal</u>, an ESMP must be submitted that</p> <ul style="list-style-type: none"> - Provides a detailed description of the process that will be applied during project implementation to ensure that all USPs comply with the AF ESP. - Contains clearly allocated roles and responsibilities for its implementation, - Includes opportunities for consultation and adaptive management, clear arrangements for the IE to supervise executing entities for implementation of the ESMP, a clear description of the grievance mechanism in place, mentioning all parts of the grievance process, including where grievances can be addressed and clear monitoring and evaluation arrangements for ESP compliance. - Includes a budget provision for implementation of the ESMP should also be provided in the detailed budget section of the proposal. 	<p>arrangements for the IE to supervise executing entities for implementation of the ESMP, a clear description of the grievance mechanism in place, mentioning all parts of the grievance process, including where grievances can be addressed and clear monitoring and evaluation arrangements for ESP compliance.</p> <ul style="list-style-type: none"> - Includes a budget provision for implementation of the ESMP should also be provided in the detailed budget section of the proposal.
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Resource Availability	1. Is the requested project / programme funding within the cap of the country?	Yes. The requested funding is within the country cap of USD 5 million for the EDA finding window.	-
	2. Is the Implementing Entity Management Fee at or below 10 per cent of the total project/programme budget before the fee?	No. The fee is above the cap and is 11.11%. CAR5: Please revise the fee to fall within the 10% cap for IE management fees under EDA projects.	CAR5: Cleared. The fee has been revised to 10%.
	3. Are the Project/Programme Execution Costs at or below 12 per cent of the total project/programme budget (including the fee)?	Yes. The IE is serving as the Executing Entity and the fee is 1.5% as per the set limit under this scenario.	-
Eligibility of IE	1. Is the project/programme submitted through an eligible Implementing Entity that has been accredited by the Board?	Yes.	-
Implementation Arrangements	1. Is there adequate arrangement for project / programme management, in compliance with the Gender Policy of the Fund?	n/a at concept stage	
	2. Are there measures for financial and project/programme risk management?	n/a at concept stage	
	3. Are there measures in place for the management of for environmental and social risks,	n/a at concept stage	

	in line with the Environmental and Social Policy and Gender Policy of the Fund?		
	4. Is a budget on the Implementing Entity Management Fee use included?	n/a at concept stage	
	5. Is an explanation and a breakdown of the execution costs included?	n/a at concept stage	
	6. Is a detailed budget including budget notes included?	n/a at concept stage	
	7. Are arrangements for monitoring and evaluation clearly defined, including budgeted M&E plans and sex-disaggregated data, targets and indicators, in compliance with the Gender Policy of the Fund?	n/a at concept stage	
	8. Does the M&E Framework include a break-down of how implementing entity IE fees will be utilized in the supervision of the M&E function?	n/a at concept stage	
	9. Does the project/programme's results framework align with the AF's results framework? Does it include at least one core outcome indicator from the Fund's results framework?	n/a at concept stage	
	10. Is a disbursement schedule with time-bound milestones included?	n/a at concept stage	



ADAPTATION FUND

ADAPTATION FUND BOARD SECRETARIAT TECHNICAL REVIEW OF PROJECT/PROGRAMME PROPOSAL

PROJECT/PROGRAMME CATEGORY: EDA - Regular-sized Project Concept

Country/Region: Belize**Project Title:** Building Community Resilience via Transformative Adaptation**Thematic Focal Area:** Multisector**Implementing Entity:** Protected Areas Conservation Trust (PACT)**Executing Entities:** PACT**AF Project ID:** AF00000271**IE Project ID:****Reviewer and contact person:** Farayi Madziwa**IE Contact Person:** Denaie Swasey**Requested Financing from Adaptation Fund (US Dollars):** 5,000,000**Co-reviewer(s):** Alyssa Gomes

Technical Summary	<p>The project “Building Community Resilience via Transformative Adaptation” aims to restore, and enhance the protection of, vital ecosystem and corresponding ecosystem services to improve the well-being and livelihoods of vulnerable communities that are dependent on natural resources in the face of climate change and variability. This will be done through the five components below:</p> <p><u>Component 1:</u> Safeguarding Forest and Water Resources through strategic protection and restoration solutions (USD 1,110,000).</p> <p><u>Component 2:</u> Combating wildfires through adaptive management (USD 1,100,000)</p> <p><u>Component 3:</u> Creating opportunities to support alternative livelihoods (USD 1,302,500).</p> <p><u>Component 4:</u> Building national capacity to access adaption finance (USD 270,000)</p> <p><u>Component 5:</u> Community disaster risk management (USD 650,000).</p> <p><u>Requested financing overview:</u> Project/Programme Execution Cost: USD 67,500</p>
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	<p>Total Project/Programme Cost: USD 4,500,000 Implementing Fee: USD 500,000 Financing Requested: USD 5,000,000</p> <p>The proposal includes a request for a project formulation grant of USD 30,000 and project formulation assistance grant of USD 20,000.</p> <p>The initial technical review raises some issues, such as rationality for EDA, cost effectiveness of proposed activities, project sustainability, gender considerations and exceeding the limit of the IE management fee as is discussed in the number of Clarification Requests (CRs) and Corrective Action Request (CAR) raised in the review.</p>
Date:	23 August 2021

Review Criteria	Questions	Comments
Country Eligibility	3. Is the country party to the Kyoto Protocol?	Yes
	4. Is the country a developing country particularly vulnerable to the adverse effects of climate change?	Yes. Belize is highly vulnerable to the climate change impacts such as sea level rise, erosion, storm surges and flooding. The country is a low-lying developing state and has strong dependence on natural resources and ecosystem services (pages 2-3).
Project Eligibility	15. Has the designated government authority for the Adaptation Fund endorsed the project/programme?	Yes , as per the endorsement letter dated 19 July 2021
	16. Does the length of the proposal amount to no more than Fifty pages for the project/programme concept, including its annexes?	Yes. The concept is 36 pages long including annexes.
	17. Does the project / programme support concrete adaptation actions to assist the country in addressing adaptive capacity to the adverse effects of climate change and build in climate resilience?	<p>To an extent, yes.</p> <p>Whilst proposed concrete activities and theory of change are clear, the explanation of how the EDA rationale in relation to the climate scenario(s) outlined in the background and context section is not clear. The EDA model or mechanism that will be employed under each of the project components</p>

		<p>in terms of how the model will work, who is targeted to receive funding and the pathway(s) for fund flows is unclear. An explanation of how Component 2 falls outside of “business as usual” should be provided.</p> <p>CR1: Please provide an explanation and description of why an EDA mechanism would be best in addressing the adaptation challenges and needs identified in the proposal.</p> <p>Addressed under PART II A. The modality of the EDA model is provided.</p> <p>CR2: Please include an explanation of how the model will work, who is targeted (or broad category of recipients, e.g, individuals, CSOs, local governments etc) to receive funding under the different components and the pathway(s) for fund flows.</p> <p>Addressed under PART II A. The modality of the EDA model is provided.</p> <p>CR3: Please clarify whether the proposed mechanism will be doing on-granting, loans or a mix.</p> <p>Addressed under PART II A. The EDA will function as an on-granting mechanism only.</p> <p>CR4: Please explain how Component 2 falls outside a “business as usual” development initiative and if it is part of “business as usual”, please provide justification in the context of achieving the adaptation goals of the project.</p> <p>Addressed under PART II A. Justification and linkage to national adaptation goals has been provided.</p>
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	<p>18. Does the project / programme provide economic, social and environmental benefits, particularly to vulnerable communities, including gender considerations, while avoiding or mitigating negative impacts, in compliance with the Environmental and Social Policy and Gender Policy of the Fund?</p>	<p>Largely, yes.</p> <p><u>For the fully developed proposal</u> please quantify benefits as far as is possible and provide information on the expected beneficiaries of the project, with particular reference to the equitable distribution of benefits to vulnerable communities, households, and individuals.</p> <p>CAR1: Please include an initial gender analysis and/or assessment to determine the different needs, capabilities, roles and knowledge resources of women and men, and/or identify how changing gender dynamics might drive lasting change.</p> <p>Please demonstrate how the findings of the initial gender assessment are integrated as gender-responsive implementation and monitoring arrangements, including gender-responsive indicators.</p> <p>Initial Gender Assessment included as Annex 2. Gender responsive indicators have been included in Project Alignment Matrix of Annex 1.</p>
	<p>19. Is the project / programme cost effective?</p>	<p>Not clear. Considering that CRs1-4 will be addressed, the proposal provides a logical explanation of the selected scope and approach. However, it does not provide a clear description of the alternative options to the proposed measures.</p> <p>CR5: Please identify alternative(s) that could achieve the same outcomes. For the concept stage, only an identification of alternative option(s) is required. However, for the fully developed proposal, a detailed description and explanation of how the proposed project activities are more cost effective than identified alternative(s) that could achieve the same outcome, including how proposed cost effectiveness is ideal from a sustainability point of view</p>

		Addressed under PART II C. Other alternative options have been included in the proposal.
	20. Is the project / programme consistent with national or sub-national sustainable development strategies, national or sub-national development plans, poverty reduction strategies, national communications and adaptation programs of action and other relevant instruments?	Yes , as described on page 20. The project is consistent with the National Climate Change Policy, Strategy and Action Plan, the NDC, Forest Policy and the National Biodiversity Strategy and Action Plan.
	21. Does the project / programme meet the relevant national technical standards, where applicable, in compliance with the Environmental and Social Policy of the Fund?	Yes , as described on page 21. Relevant regulations in the water, agriculture and forestry sectors will be followed and all relevant permits for specific USP activities will be obtained prior to their implementation.
	22. Is there duplication of project / programme with other funding sources?	<p>No, as described on pages 21-22. The project draws on lessons from earlier projects and scales up previous activities as well as furthers the efforts of previous adaptation initiatives.</p> <p>CR6: Please confirm that the project is not a duplication of the GCCA project funded through the European Union implemented between 2012 and 2014 and whose project details are available here: https://www.gcca.eu/programmes/enhancing-belizes-resilience-adapt-effects-climate-change.</p> <p>Addressed under PART II F, the project is not a duplication, but will scale up some of the interventions in other target areas.</p>
	23. Does the project / programme have a learning and knowledge management component to capture and feedback lessons?	Yes , as describe on page 22. A description of knowledge management activities is provided and a knowledge sharing program is included as an output under Component 4.

	<p>24. Has a consultative process taken place, and has it involved all key stakeholders, and vulnerable groups, including gender considerations in compliance with the Environmental and Social Policy and Gender Policy of the Fund?</p>	<p>Yes, an initial consultative process has taken place, with key stakeholders. (pages 22 and 23).</p> <p>CAR3: Please provide consultation reports where available as an Annex to proposal.</p> <p>Two Consultation Briefs have been Annexed to the Concept Note. During the project development phase further consultations will be held with the target communities once they have been selected. The latter may even be extended during to the project development phase as consultations during the project development phase may result in further modifications to target communities.</p> <p>Evidence of consultations with local communities and marginalized and vulnerable groups and indigenous peoples as relevant is strongly advised <u>at the fully developed proposal document stage</u>, including explanation of how their concerns were considered during project design and development.</p>
	<p>25. Is the requested financing justified on the basis of full cost of adaptation reasoning?</p>	<p>Yes, as described on pages 23 and 24.</p> <p><u>At the fully developed proposal stage</u> please also include an explanation of the EDA rationale in relation to relevance in addressing the project's adaptation objectives and that, taken solely, without additional funding from other donors, proposed activities will help achieve these objectives.</p>
	<p>26. Is the project / program aligned with AF's results framework?</p>	<p>Yes. Alignment with AF outcomes 2,3,4,5,6 and 8 have been provided on pages 9 and 10.</p> <p>However, for the fully developed proposal, please provide a detailed table that demonstrates the alignment of project objectives plus objective indicators with AF outcomes and outcome indicators and alignment of project outcomes plus indicators with AF outputs and output indicators. Also include a table demonstrating project alignment with</p>

		Adaptation Fund Core Impact Indicators.
	27. Has the sustainability of the project/programme outcomes been taken into account when designing the project?	<p>Not clear. Sustainability has been explained in terms of EEs taking over post project completion as activities are embedded in their mandates. However, it is unclear how all areas of sustainability will be addressed. (pages 24 and 25).</p> <p>CR7: Please provide an explanation of the arrangements through which any infrastructure or installations to be developed, policies and governance arrangements to be developed and implemented, knowledge to be generated and management and other capacity to be improved, etc will be sustained in long term, under the key areas of sustainability that include but are not limited to economic, social, environmental, institutional, and financial sustainability.</p> <p>Addressed under PART II J. The institutional, environmental, social and financial sustainability have been taken into consideration for the proposed interventions to be implemented under the EDA.</p>
	28. Does the project / programme provide an overview of environmental and social impacts / risks identified, in compliance with the Environmental and Social Policy and Gender Policy of the Fund?	<p>Not clear. A checklist of environmental and social principles is included in on pages 26-28. However, the project category is not commensurate with the results of the initial identification and screening of environmental and social risks presented in the table. In addition, there is no description or initial assessment of gender considerations.</p> <p>CAR4: Please revise the project category to align with the results from initial identification and screening of environmental and social risks. Please also provide an initial gender assessment, ideally providing qualitative and quantitative data for gender roles, activities, needs, and available opportunities and challenges or risks for men and</p>

		<p>women.</p> <p>Given the low risk of project actions to social, gender and environmental risk the project is categorized as a Category C Project. An initial gender assessment has been included under Annex 2 of the concept note. There are limited qualitative and quantitative data available for the target communities that have been selected thus far. This will be completed during the project development phase.</p> <p>Please note that <u>for the fully developed proposal</u>, an ESMP must be submitted that</p> <ul style="list-style-type: none"> - Provides a detailed description of the process that will be applied during project implementation to ensure that all USPs comply with the AF ESP. - Contains clearly allocated roles and responsibilities for its implementation, - Includes opportunities for consultation and adaptive management, clear arrangements for the IE to supervise executing entities for implementation of the ESMP, a clear description of the grievance mechanism in place, mentioning all parts of the grievance process, including where grievances can be addressed and clear monitoring and evaluation arrangements for ESP compliance. - Includes a budget provision for implementation of the ESMP should also be provided in the detailed budget section of the proposal.
Resource Availability	4. Is the requested project / programme funding within the cap of the country?	Yes. The requested funding is within the country cap of USD 5 million for the EDA finding window.
	5. Is the Implementing Entity Management Fee at or below 10 per cent of the total project/programme budget before the fee?	<p>No. The fee is above the cap and is 11.11%.</p> <p>CAR5: Please revise the fee to fall within the 10% cap for IE</p>

		management fees under EDA projects. Implementing entity fee adjusted, resulting in further adjustment to the budget as reflected in PART I – Components and Financing.
	6. Are the Project/Programme Execution Costs at or below 12 per cent of the total project/programme budget (including the fee)?	Yes. The IE is serving as the Executing Entity and the fee is 1.5% as per the set limit under this scenario.
Eligibility of IE	2. Is the project/programme submitted through an eligible Implementing Entity that has been accredited by the Board?	Yes.
Implementation Arrangements	11. Is there adequate arrangement for project / programme management, in compliance with the Gender Policy of the Fund?	n/a at concept stage
	12. Are there measures for financial and project/programme risk management?	n/a at concept stage
	13. Are there measures in place for the management of for environmental and social risks, in line with the Environmental and Social Policy and Gender Policy of the Fund?	n/a at concept stage
	14. Is a budget on the Implementing Entity Management Fee use included?	n/a at concept stage
	15. Is an explanation and a breakdown of the execution costs included?	n/a at concept stage
	16. Is a detailed budget including budget notes included?	n/a at concept stage
	17. Are arrangements for monitoring and evaluation clearly defined, including budgeted M&E plans and sex-disaggregated data, targets and indicators, in compliance with the Gender Policy of the Fund?	n/a at concept stage
	18. Does the M&E Framework include a breakdown of how implementing entity IE fees will	n/a at concept stage

	be utilized in the supervision of the M&E function?	
	19. Does the project/programme's results framework align with the AF's results framework? Does it include at least one core outcome indicator from the Fund's results framework?	n/a at concept stage
	20. Is a disbursement schedule with time-bound milestones included?	n/a at concept stage



ADAPTATION FUND

**REQUEST FOR PROJECT/PROGRAMME
FUNDING FROM THE ADAPTATION FUND**

Complete documentation should be sent to:

The Adaptation Fund Board Secretariat
1818 H Street NW
MSN N7-700
Washington, D.C., 20433
U.S.A
Fax: +1 (202) 522-3240/5
Email: afbsec@adaptation-fund.org



PROJECT/PROGRAMME PROPOSAL TO THE ADAPTATION FUND

PART I: PROJECT/PROGRAMME INFORMATION

Project/Programme Category:	Enhanced Direct Access – Regular Project	
Country/ies:	Belize	
Title of Project/Programme:	Building Community Resilience via Transformative Adaptation	
Type of Implementing Entity:	National Implementing Entity (NIE)	
Implementing Entity:	Protected Areas Conservation Trust (PACT)	
Executing Entity/ies:	Protected Areas Conservation Trust	
Amount of Financing Requested:	5 Million	(in U.S Dollars Equivalent)

Project / Programme Background and Context:

Provide brief information on the problem the proposed project/programme is aiming to solve. Outline the economic social, development and environmental context in which the project would operate.

Belize is a small, low-lying country which covers 46,620 km² on the coast of Central America (Figure 2). Five percent of the country's territory consists of small islands and offshore cayes, with the remainder being on the mainland. The country is inhabited by approximately 419,199¹ persons, this includes 209,603 males and 209,596 females across 212 communities in 6 Districts. The country is a melting pot for cultural diversity, with a total of 13 ethnic groups including two indigenous groups – Garinagu and Maya.

The country contains fourteen broad natural ecosystems that can be further broken down into 68 ecosystems inclusive of broad-leaved forests, pine forests, mangrove forests, seagrass and coral reefs (Meerman, 2011). A total of 90% of Belize's recognized ecosystems have greater than 30% representation within the Belize National Protected Areas System (BNPAS). A 2014 assessment determined national terrestrial forest coverage to stand

¹ Mid-Year population estimate for 2020

at 61%, mostly contained within the BNPAS network. Belize has a history of cultural dependence on its natural resources which has resulted in the growth of ecosystem based economic sectors. Given the country's strong dependence on natural resources and ecosystem services, the effects of climate change and variability will in turn be detrimental to communities, livelihoods and key sectors of Belize.

As a low-lying developing state, Belize is highly vulnerable to the climate change impacts such as SLR, erosion, storm surges and flooding. A 2014 assessment categorized Belize's vulnerability index to climate change as extremely high; ranking 9th on the list of 38 other countries in Latin America and the Caribbean (CAF, 2014). The assessment highlighted the country's high risk to climate change based on its adaptive capacity linked to the vulnerability of the Agriculture Sector. Belize is seasonally affected by tropical storms and hurricanes, which on average, according to scientific reports, are becoming more intense each year due to the effects of human-induced global warming and higher sea surface temperatures. Belize is also highly exposed to other natural hazards such as flooding and drought, more pronounced in inland areas. These can lead to infrastructure and economic losses, especially in agricultural and inhabited areas during the hurricane season. There has also been evidence that the average annual temperature of Belize has been rising and is projected to rise further. Temperature projections carried out by experts from INSMET Cuba, showed that annual temperature changes from 2021 – 2080 versus 1961 – 1990 for four climate projection scenarios show a steady increase in mean temperature during the XXI century for Belize nationally (Figure 1).

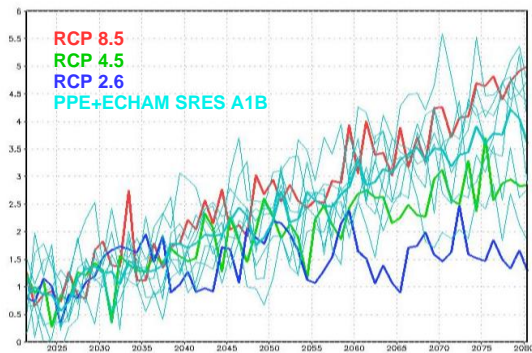


Figure 1: Interannual variations of mean temperature anomalies (°C) during the period 2021 until 2080 for four scenarios, with baseline period 1961-1990. (Centella & Benzanilla, 2019)

In order to effectively address these issues, the threat of climate change requires multilateral action from policy makers, technical experts, the private and public sector as well as local communities, in order to seek solutions and make changes to effectively adapt to climate change impacts. To reduce vulnerability and enhance resilience to future climate risks and hazards Belize must devise mechanisms to adapt to the imminent changes affecting economic sectors, livelihoods and natural ecosystems.

Forest and Watershed Protection and Restoration

Forests and watersheds are vital interconnected ecosystems that contribute to the survival of Belizean communities. In the absence of ecological integrity of these systems, community livelihoods and functioning are threatened. It has been recognized that Belize's climate adaptive capacity lies in the protection of key ecosystems inclusive of forest and associated water bodies. Despite its ecological importance, forests and

watersheds in the country are threatened by natural and anthropogenic factors, which have substantive impacts on the economy and communities of Belize. Large scale deforestation and loss of ecosystems due to damage caused by fires, pest/disease and improper management, will impact the country's ability to adapt to a changing climate. As such it is important that Belize devises and institutes concrete adaptative measures to restore ecosystems lost and protect those that are threatened, thus increasing the country's chances of successfully addressing climate change impacts.

Forests and waterbodies within watersheds work together to protect and provide water resources to the country. Belize has over 30 watersheds most of which originate within the Maya Mountains, a few of which are transboundary. Water is a vital resource

required for the continuity of life and the survival of communities, as such its protection in the face of climate change is crucial. Climate change threatens the availability of water due to changes in precipitation patterns and the hydrological cycle. Increased instances of drought reduce the quantity and quality of water available to communities, inclusive of those that depend on underground aquifers for the provision of water. Increased storms and periods of rain linked to climate change, results in flooding of water bodies, also decreasing the availability of potable water, as water becomes heavily saturated with sediments.

Although Belize has a high water per capita, the country's growing population and other anthropogenic impacts such as removal and degradation of natural ecosystems, threaten water security. Deforestation and degradation threaten the ecological integrity of watersheds decreasing their functionality. This results in minimized supporting and provisioning services of forested systems and watersheds. Deforestation also threatens biodiversity as it results in changes to the natural environment and habitat of key

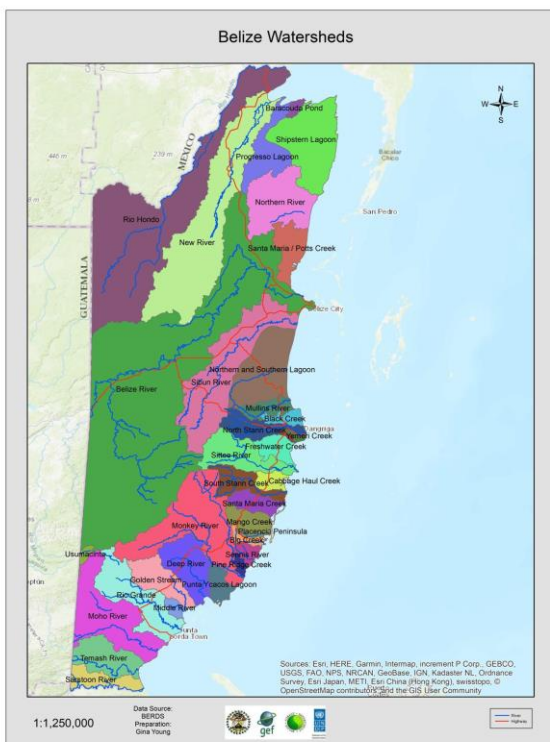


Figure 2: Watershed of Belize (Extracted from Sixth National Report to the CBD, 2020)

species. Watersheds are also threatened by other anthropogenic activities such as agriculture and improper disposal of household waste, leading to health hazards and decreased water quality. A holistic approach to restoring watersheds is needed to protect water resources. As the impacts of climate change threaten the availability of water in the country, there is the need to formulate proactive solutions that promote the protection of water and forest resources in an ecologically sustainable manner.

Fire Management

Incidents of fires are becoming more pronounced in the country given climate variability which has resulted in changes to the pronounced wet and dry seasons of the country (Figure 3). An increase in temperature and periods of drought have also been noted, with hydrological droughts occurring more frequently in the country. The increase in storm frequency and intensity results in large scale destruction of natural vegetation thus increasing the fuel load for fires given the large quantity of debris. The above, coupled with decreases in rainfall has resulted in increased incidents of wildfires in the country, many in remote areas.

For many communities, wildfires pose a threat to safety and human health annually. These communities are often outside of the areas serviced by the National Fire Service (NFS) and require community adaptive fire management to address their needs. Three such communities are Hattieville, Crooked Tree and Sarteneja Village. These villages are presently not covered by the NFS network, possessing unique circumstances and vulnerabilities to fires. Hattieville is a village located about 13 miles outside of Belize City and is threatened yearly by wildfires on the open savannah plain on which it sits. Crooked Tree Village is remotely located 40.9km from the closes fire station, separated from the main roads via a narrow crossing through a large wetland area.

Many farms surrounding the village are prone to fires from slash and burn cultivation. Sarteneja Village, which is located in the northern part of the country, is about 24km from the nearest fire station in Corozal Town. For the NFS to respond to any threats of fires, equipment and personnel are required to traverse two (2) hand-cranked ferries along a dirt road to get to the village. The NFS has no coverage in the area. Each community has unique circumstances. Sarteneja Village for example is located next to the sea, hence the firefighter training response would be slightly different from the other targeted sites.

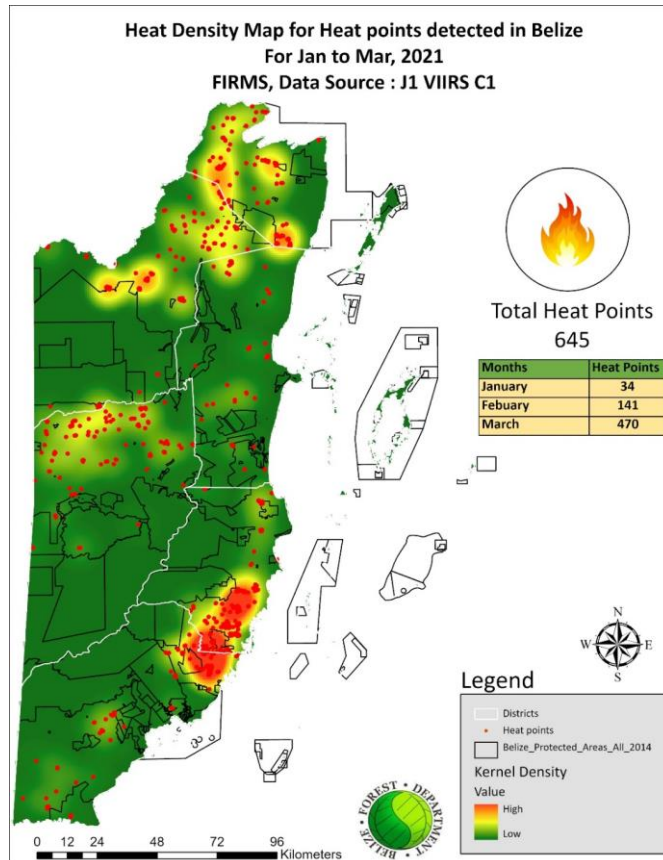


Figure 3: Heat Density Map (Source: Belize Forest Department)

Alternative Livelihoods

Unsustainable agricultural practices (including traditional slash-and-burn cropping systems, arbitrary use of chemicals (herbicides and pesticides), and the planting of crops near rivers, or on hillsides) results in increased soil erosion and are degrading the forest, and neighboring, farm landscapes. These practices, because of relatively low productivity, are making it increasingly difficult for rural communities to maintain their livelihoods.

This situation is compounded by the advancing impacts of climate change. Unpredictable rainfall patterns make it increasingly difficult for farmers to manage cropping cycles (such as planting and harvesting). Greater storm intensity increases the incidences of flooding and general landscape and forest damage. This increases forest fire severity the following year - due to greater availability of dead wood suitable for burning, fuel load for fires. Unpredictable seasonal rainfall patterns combine with increased temperatures generates more severe droughts and increase incidences of pests and diseases. As climate change is making it even more difficult for communities to maintain their livelihoods, communities are increasingly turning to forests for additional resources (such as wood for cooking and unsustainable harvesting of non-forest products or using previously forested land for food production). The unsustainable use of such resources is significantly affecting the ecosystem services provided by the forests and, in turn, threatening the community's resilience to the impacts of climate change.

Communities experience several barriers to maintain their agricultural-based livelihoods, in the face of climate change. These include: (i) shortage of technical capacity in sustainable agriculture; (ii) shortage of alternative livelihood opportunities; and (iii) limited awareness about how these issues relate to community sustainability and climate change resilience.

Actions to address the above barriers, by supporting the target communities in developing livelihood strategies, will transform their landscape management approaches into ones that regenerate the landscape (including sequestering carbon from the atmosphere). This can be achieved by (i) building awareness about how landscape management choices impact ecosystem services and landscape sustainability; (ii) providing training and coaching in building regenerative agricultural systems (that build soils and protect biodiversity); and (iii) by providing training and coaching in enhancing or establishing sustainable land-scape based businesses that will not only support landscape regeneration but also enhance livelihoods, thereby increase community economic resilience.

The Food and Agriculture Organization of the United Nations (FAO) describes "sustainable diets" as "those diets with low environmental impacts which contribute to food and nutrition security and to healthy life for present and future generations." Such diets are protective and respectful of biodiversity and ecosystems, culturally acceptable, accessible, economically fair and affordable; nutritionally adequate, safe and healthy, while optimizing natural and human resources. Hence there is the need to transform the current food producing systems into one using regenerative ecological principles by optimizing production diversity, eliminating harmful inputs, and leveraging beneficial biotic relationships which will then translate into safer wholesome foods that deliver key nutrient requirements for a healthy population.

Economic resilience will lead to economic stability for the participants. Much of the economic loss accrued to the participants are due to natural disasters such as droughts, floods, diseases. Enhancing capacity in the development and implementation of livelihood strategies resilient to climate change will not only improve the economical aspect of the participants but will also restore soils and other ecosystem services such as clean water and air.

Disaster Risk Management – Flooding

Flooding is another environmental issue magnified by climate change which results from increased intensity of storms and natural disasters (Figure 5). Floods are notably the most common disaster in the Latin America and Caribbean Region with 41 million persons affected by flooding from 2000-2019. During the 2020 Hurricane season, unprecedented floods caused by the heavy rains associated with Hurricane Eta and Iota resulted in large scale damage to the country, with Eta directly affecting approximately 50,000-60,000 persons in Belize. The impacts of the flooding to the Agricultural, Water, Health, Transportation and Housing sectors were significant. Housing in the western portion of the country were under several feet of water for days before the water subsided. Some community members were left homeless and significant damage to homes and business were reported resulting in economic losses. Flooding has been identified as having the highest damaging potential in Belize (UNISAR, 2015) causing damage to critical national infrastructure.

The impacts of flooding, resulting from natural disasters, is visible in many parts of Belize, including the coastal islands such as San Pedro and Caye Caulker (Figure 4). Both low lying islands are heavily populated with over 14,000 persons occupying the offshore cayes. Increased rain and tropical storms in recent years has threatened local infrastructure, human health and property of residents on the two islands. The National Emergency Management Organization (NEMO) in conjunction with the local government counterparts have preliminarily identified eight (8) vulnerable areas in both communities that are severely impacted by floods, requiring immediate interventions. These areas are occupied by approximately 8,700 persons and lack proper drainage to allow the efficient drainage of water following a flooding event. The ability to detect and evaluate an impending flooding threat can be extremely valuable in providing a timely response that can save lives and prevent property damage. Interventions under this proposed project will safeguard lives and communities that are threatened annually during periods of intense rains and natural disasters.

To successfully implement effective interventions an assessment is required to provide accurate information about hydrological flooding to evaluate the complexity of drainage needs in a given area.



Figure 4: Flooding in San Pedro (Source: NEMO Belize)

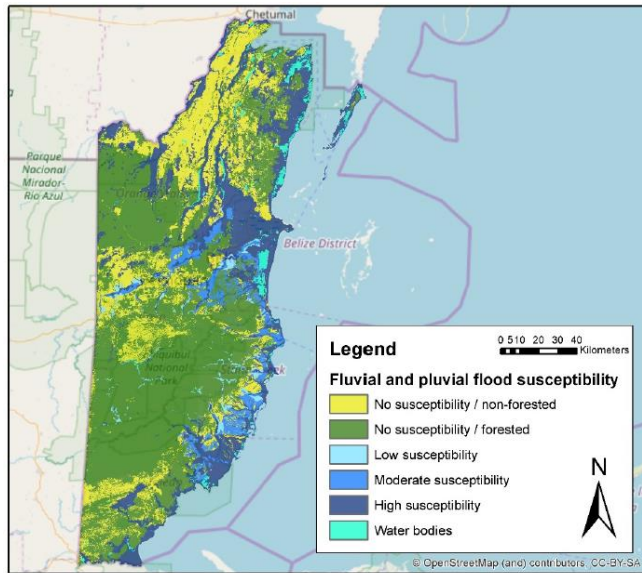


Figure 5: Fluvial and Pluvial Flood Susceptibility in Belize (Extracted from V&A Assessment, 2020)

Project / Programme Objectives:

List the main objectives of the project/programme.

The main objective of the project is to restore, and enhance the protection of, vital ecosystem and corresponding ecosystem services to improve the well-being and livelihoods of vulnerable communities that are dependent on natural resources in the face of climate change and variability. Given the country's national dependence on natural resources for the provision of food, water, medicinal and construction materials, the sustainability of associated natural ecosystems is pivotal to the long-term survival of the economy and local communities. The impacts of climate change are visibly evident in many parts of the country and many different sectors. These impacts have compounded the resource management and utilization issues already affecting Belize. It is the aim of this project to create viable inexhaustible strategies and mechanisms that address prominent climate change impacts thereby securing resources, which enable a community's climatic response via adaptation. This will be achieved through **five interlinked Components or Thematic Areas**:

- i. Safeguarding Forest and Water Resources through Strategic Protection and Restoration Solutions
- ii. Combating Wildfires through Adaptive Management
- iii. Creating Opportunities to Support Alternative Livelihoods
- iv. Building National Capacity to Access Adaption Finance
- v. Community Disaster Risk Management

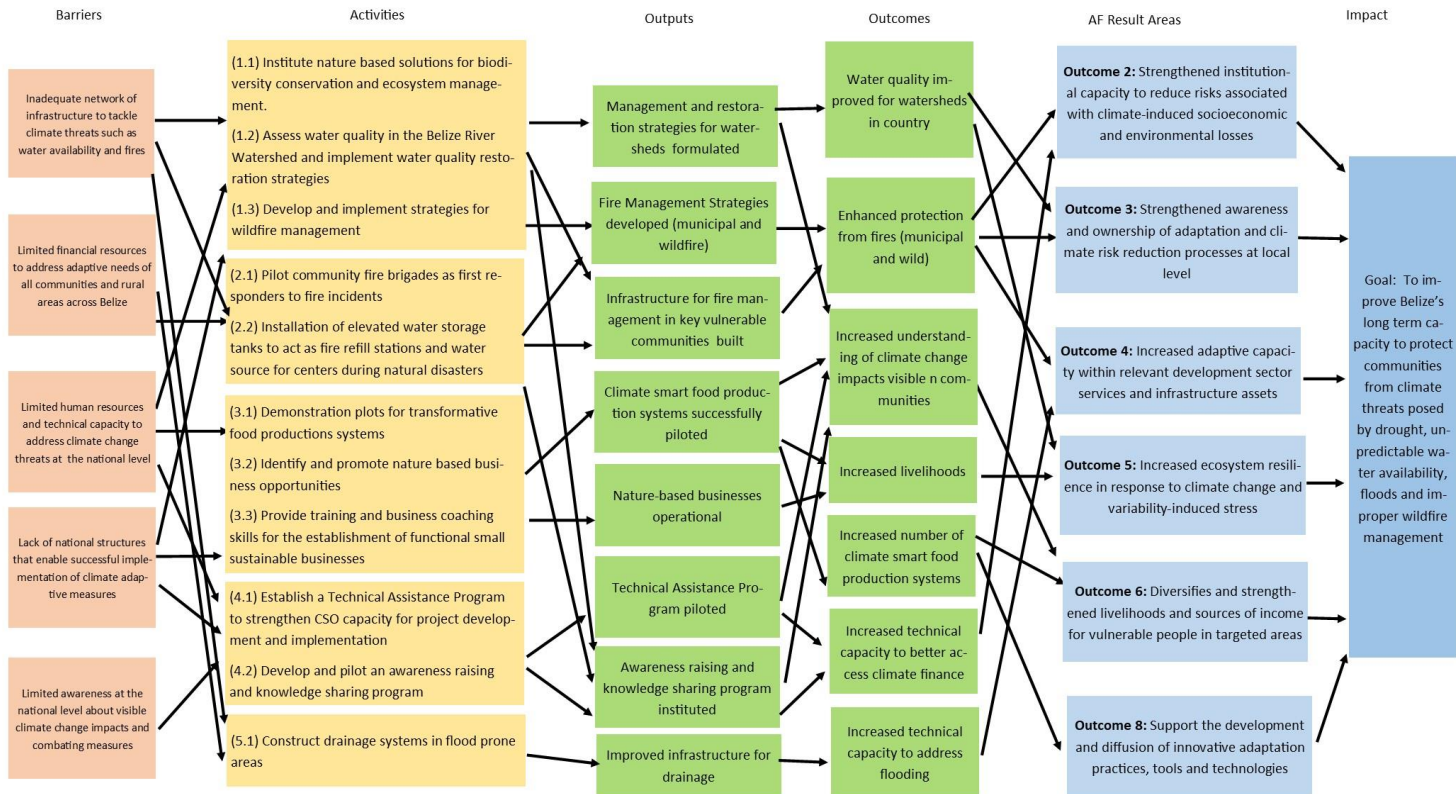
The objectives of this project are strategically aligned with the Adaptation Fund's Strategic Results Framework and combined the individual project components will enable key communities in Belize to adapt to the challenges such as unavailability of water, increased instances of wildfires caused by extended periods of drought as well as decreased agricultural productivity posed by climate change. Outcome 2 of the AF Strategic Result Framework is evident in the increased capacity of national entities and communities to address wildfires to ensure community health and safety. By providing the NFS and communities with the skills and equipment to minimize the impacts of fires communities will be able to mitigate the impact of climate related events. Capacity building actions under Component Four will also able national institutions to build knowledge and skills necessary to effectively engage international funding agencies and access climate finance. Outcome 3 will be achieved via the strengthening of NGOs, CBOs and regulatory agencies to address the impacts of climate change effectively via the institution of robust collaborative programs to protect water and forest resources. Actions under Component One and Two of the project require the establishment and long-term integration of expertise from various sectors to tackle the impending impacts of climate change. Outcome 4 is tied to the national infrastructure that will be put in place for wildlife management. The infrastructure, water storage facilities, will also serve a dual purpose of providing communities with water during times of natural disasters such as hurricanes and extended periods of drought. Fire towers will also provide NGOs within protected areas with the added advantage of identifying areas affected by forest fires, giving ample time to respond. Similarly, the improvement of drainage systems, under Component Five, will contribute to the increased adaptive national infrastructure. Outcome 5 is evident in the protection of forest, watershed and freshwater ecosystems under Component One and Three. Activities under the project aim to increase the adaptive capacity of water systems by increasing water quality and protecting the functionality of watersheds and riparian forests. By instituting climate transformative agricultural practices, the project will also protect forested ecosystems and biodiversity which are threatened by unsustainable agricultural practices which result in the extensive clearing of forested landscapes. Project Component 3 also ties in with Outcome 6 of the AF. In tacking unsustainable agricultural practices, the project proposes to create alternative sources of livelihood in areas threatened by deforestation. The actions will

Annex 5 to OPG Amended in October 2017

minimize anthropogenic impact on forest and water systems by allowing communities to generate income in an environmentally conscious manner. Similarly, Component 4 also support the scaling up of innovative adaptation practices and tools in local communities, contributing to Outcome 8 of the Fund. Further information can be found in Annex 1.

Annex 5 to OPG Amended in October 2017

Theory of Change



Project / Programme Components and Financing:

Project/Programme Components	Expected Concrete Outputs	Expected Outcomes	Amount (US\$)
1. Safeguarding Forest and Water Resources through strategic protection and restoration solutions	1.1. Restoration strategies developed 1.2. Pilot water quality restoration activities in Watershed	Improved water quality of Rivers Enhanced ecosystem services linked to the restoration of riparian forests and the aquatic environment	\$1,110,000
2. Combating wildfires through adaptive management	2.1. Pilot community fire brigades in three vulnerable communities 2.2. Construction of elevated water storage tanks 2.3. Build national capacity to implement a wildfire management strategy 2.4. Updated Wildland fire management policy and strategy	Enhancing the ability of vulnerable communities to be first responders to fire incidents Improved wildfire management for forests and grasslands across Belize	\$1,100,000
3. Creating Opportunities to support Alternative livelihoods	3.1. Demonstration plots for transformative food productions systems 3.2. Identify and promote nature-based business opportunities 3.3. Provide training and business coaching skills for the establishment of functional small sustainable businesses 3.4. Increase awareness and conduct training in food production system and nature-based alternative livelihoods 3.5. Conduct market assessments	Increased number of climate-smart food production and nature-based livelihood Increase livelihood opportunities for communities Increased number of persons trained to successfully operate a nature-based business	\$1,302,500
4. Building National Capacity to access adaption finance	4.1. Establish a Technical Assistance Program to strengthen CSO capacity for project development and implementation 4.2. Develop and pilot an awareness raising and knowledge sharing program 4.3. Build capacity on the	Increased technical capacity to better access climate finance Increase national awareness of climate change impacts and adaptive measures	\$2,870,000

Annex 5 to OPG Amended in October 2017

	utilization of earth observation data to monitor adaptation finance impacts at the local level		
5. Community Disaster Risk Management	5.1. Assess drainage issues following local hydrological flooding events 5.2. Construct drainage system in areas prone to flooding	Decreased risk of post-disaster impacts - flooding	\$650,000 <u>684,820</u>
6. Project/Programme Execution cost			67,500 <u>68,180</u>
7. Total Project/Programme Cost			4,500,000 <u>4,545,500</u>
8. Project/Programme Cycle Management Fee charged by the Implementing Entity (if applicable)			500,000 <u>454,500</u>
Amount of Financing Requested			\$5 million

Projected Calendar:

Indicate the dates of the following milestones for the proposed project/programme

Milestones	Expected Dates
Start of Project/Programme Implementation	June 2022
Mid-term Review (if planned)	September 2024
Project/Programme Closing	January 2026
Terminal Evaluation	June 2026

PART II: PROJECT / PROGRAMME JUSTIFICATION

- A. Describe the project components, particularly focusing on the concrete adaptation activities of the project, and how these activities contribute to climate resilience. Project components should clearly articulate the characteristic of the EDA model to be followed and provide a clear description of practical locally lead adaptation solutions to funnel funding to vulnerable communities impacted by adverse climate impacts.**

The proposed project intends to improve the ability of Belizean communities to address the social and environmental threats posed by climate change to water security, human health and ecosystem services. This will be done through locally lead action involving a multitude of communities and national entities under a Call for Proposal to be launched by the Protected Areas Conservation Trust (PACT). The latter enables communities and local organizations the opportunity to access crucial climate finance necessary for building resilience based on identified needs. These communities and local organization would be disenfranchised under traditional methods of accessing climate finance due to their limiting technical and financial capacity to engaged Funds. Given national financial constraints that are further exacerbated by the Covid-19 pandemic, the mechanism will function only as an on-granting mechanism. The latter falls in line with the operational mandate of PACT and its current structures. Some components under the project will explore the establishment of formal mechanisms with financial institutions for persons/business to access financing to expand, such as the alternative livelihood actions. The development of this concept note was initiated by the identification of key climate change issues and barriers that are evident in communities, which have been noted by local communities and organizations. Hence the process will proceed with these entities and be expanded with potential for expansion during the implementation of the EDA Grant.

Component One, ***Safeguarding Forest and Water Resources through strategic protection and restoration*** focuses on improving the ecological integrity of the watershed by addressing issues related to the deterioration of water quality linked to the characteristic use and climate change impacts to the watersheds. Two rivers pre-identified for potential intervention include the Mopan and Macal Rivers which constitute one of the most densely populated watersheds in the country, the Belize River Watershed. Maintaining the health of the ecosystem to protect its provisioning services equates to securing water resources for 45% of Belize's population. Through national action other water bodies can also be identified for interventions under the EDA. Such initiatives would be managed through collaborative efforts of numerous entities such as the National Biodiversity Office (NBIO), National Hydrological Service, Department of Environment, Forest Department and local municipalities. Local municipalities will work closely with the regulatory agencies to identify adaptation actions needed to improve water quality and protect forest and water resources. This enables the communities to lead national action by working with key entities to identify problem areas and championing the need for immediate interventions to address impacts. These will be integrated into proposals submitted to PACT under the EDA Grant. Activities to be targeted under this Component include, but are not limited to:

- i. Assessing water quality of the selected River tributaries inclusive of the Mopan and Macal Rivers
- ii. Assessing the impact of land use and land use change on micro and macro invertebrates' populations within selected rivers
- iii. Development and implementation of water quality restoration strategies
- iv. Development and implementation a riparian forest restoration program

These activities will enable decision makers and local communities to make informed decisions regarding the protection of the watershed for the long-term security of water resources. The project can also further establish networks that can be used to monitor the impacts of climate change and anthropogenic activities within selected rivers inclusive of the Mopan and Macal.

Component Two, ***Combating Wildfires through Adaptive Management*** will scale-up other in-country initiatives geared towards reducing the impacts of wildfires and securing communities. Wildfires have posed a threat to the environment, human health and properties/communities in Belize. The core issues of wildfire management originate from the poor management of controlled fires within traditional agricultural practices, the limited technical and financial capacity of national agencies to manage forest and grassland fires, limited operational preparedness and inadequate fire prevention capability within responsible agencies (Sabido and Green, 2009).

Although there have been increased efforts to address wildfires within the BNPAS through various projects, such as the Selva Maya Project, fires still pose a serious threat to national ecosystems. The growing threat of climate change has resulted in extended periods of drought and adjustments to Belize's wet and dry seasons, making it increasingly difficult for agencies to address fire threats. Forest and grassland fires are increasingly difficult to manage in remote areas of the country that are not easily accessible by the National Fire Service (NFS). This has resulted in the need to adequately equip all national organizations, including Protected Areas co-managers, to manage the various aspects of wildfire management for the preservation of vital ecosystems outside of urban communities. The project intends to effectively build the national network of fire responders across the country to address the growing threat of wildfires through actions of the NBIO, Forest Department, local NGOs within the BNPAS and community stakeholders, inclusive of:

- i. ~~The creation of~~Creating a national strategy to combat wildfire,
- ii. Expanding coverage of fire towers within the BNPAS
- iii. Training and equipping fire fighters working within the BNPAS
- iv. Enhancing the operational network of wildfire management agencies

In urban areas, Belize's NFS has been established as the traditional 'urban firefighting' department, focusing on addressing fires in the towns, villages and cities in Belize. ~~This rationalizes Hence,~~ the ~~establishment of the~~ main fire stations of the country ~~being situated~~ in more urban areas with the exception of Independence and Ladyville Villages, which possess relatively large populations in comparison to the traditional classified villages. Over the past ten years, the NFS has noted that responses to fires, about 85%, are from rural areas of the country and the outlying areas of the towns and cities due to threats from wildfires. This notable increase in fire responses originating in these areas is due to the continuous expansion of urban areas just outside the towns and cities. The problem is also exacerbated by longer dry seasons creating larger fuel loads resulting in wildfires in these areas. The project aims to address the above issues via the expansion of the NFS, ~~through a new~~ network to three vulnerable rural communities, which threatened regularly by wildfires.

Activities to be targeted under this Component include, but are not limited to:

- i. Establishing pilot community fire brigades in pilot communities to act as first responders to wildfire management inclusive of Hattieville, Crooked Tree and Sarteneja Village
- ii. Training of first responders
- iii. Procuring equipment for pilot communities (specialized vehicle, firefighting equipment)
- iv. Constructing elevated water storage tanks for wildfire management

Given the variation of dynamics within the three target communities identified at this time, there is the need for modified actions to address the firefighting needs of each community. The NFS through its work with the target communities, will identify characteristics and devise site-specific strategies for wildfire management. These will be devised in consultation with local communities, allowing them to be integral to the process. Under this component national needs identified by other communities can also be targeted for interventions with the aid of local organizations. The NFS will work with communities on in this venture.

Actions for wildfire management can be considered business as usual development, as it pertains the expansion and extension of current networks. These actions however build the adaptive capacities of communities and directly contribute to adaptation actions in the Human Health, Agriculture and Land Use/Human Settlements Sectors of the country. Wildfires, which are attributed to rise in temperature and increased periods of reduced rainfall, affect environmental, physical and social structures/systems in Belize. It can also contribute to loss of agricultural crops, which reduces the country's food and nutritional security. The protection of the natural environment, which results in the protection of key ecosystem services, enables communities to continue the sustainable extraction of goods and services, especially communities that have a traditional dependence on the natural environment for food, medicine, and construction materials such as Indigenous communities. The creation of a national wildfire combatting strategy creates the opportunities for a long-term mechanism/framework to be developed utilizing new technologies and adopting innovative practices that have proven successful in other countries and regions. Therefore, making the action a contributor to climate change adaptation through effective and preventative management.

Component Three, **Creating Opportunities to support Alternative livelihoods**, aims to provide national communities traditionally dependent on natural resources with a varied source of income that contributes to the sustainable utilization of natural resources. Traditional practices such as unsustainable agricultural practices include traditional slash-and-burn cropping systems, arbitrary use of chemicals (herbicides and pesticides), and the planting of crops near rivers or on hillsides, which results in increased soil erosion, decrease water quality and have reduced functionality of local ecosystems. These are compounded by the impacts of climate change which act as an added stressor to the natural environment. Climate change poses a threat to communities and their ability to maintain their livelihoods, resulting in added pressure from communities to forest landscapes leading to an alarming reduction in biodiversity and ecosystem functionality. If the threats and resulting actions are not addressed, the future of terrestrial ecosystems inclusive of the forests within Belize and the sustainability of livelihoods in the surrounding communities will be negatively impacted. Communities experience several barriers in addressing livelihood issues. Through this project alternative livelihood strategies will be devised and implemented to build the capacity of target communities via:

- i. Piloting of demonstration plots for transformative food productions systems
- ii. Identifying and promoting nature-based business opportunities
- iii. Providing training and business coaching skills for the establishment of functional small sustainable businesses
- iv. Increase awareness and conduct training in food production system and nature-based alternative livelihoods

Under Component Three, entities will work with selected communities to identify crops to grow under the transformative food productions systems and nature-based alternative livelihoods. This enables the entity to build on the strengths of local communities and devise site-specific solutions that are beneficial to target communities. The training will likewise be modified to address the needs of target communities. Communities will be the direct recipients of financing and adaptation benefits through the collaborative approach the entities

envision for this Component. This will be captured during the preparation of concepts during PACT's Call for Proposal.

Component Four, **Building National Capacity to Access Adaption Finance**, intends to address the national need of limited technical capacity to access and implement climate finance projects in the country. The need for added capacity building initiatives has become increasingly evident in the past 4 years through the actions of entities accredited to multilateral funding agencies. Many national entities have limited experience in developing projects/programs that have a climate-adaptive focus and lack the technical expertise to effectively analyze and integrate climate data into projects. Under this project targeted capacity building support will equip national institutions and community organizations with the skillset and support need to develop and implement ecosystem-based adaptation projects. By building institutional capacity an enabling environment will be created which in turn empowers organizations and communities. Thus, enabling many entities, especially NGOs and community-based organizations, to engage donors and sponsors in accessing finance for adaptation activities

Activities under this Component would extend to the:

- i. Establishment of a Technical Assistance Program to strengthen CSO capacity for project development and implementation
- ii. Development and piloting of an awareness raising and knowledge sharing program
- iii. Build capacity on the utilization of earth observation data to monitor adaptation finance impacts at the local level

Component Five, **Community Disaster Risk Management**, aims to address flooding in communities that results from intense periods of rain and post-natural disasters such as Hurricanes. Many low-lying communities in the coastal areas of Belize lack proper drainage systems that would enable rising flood waters to recede efficiently and quickly in communities. In communities where drainage systems are virtually non-existent the issue of flooding poses additional threats to infrastructure and human health post-disaster. These areas are plagued by mosquitoes that breed in stagnant waters, and spread vector borne illnesses such as malaria and dengue. This Component will require the action of local municipalities, community members and the District Coordinators from the National Emergency Management Organization (NEMO). Many communities have a history of working with the District Coordinators for the implementation of pre and post-emergency action to safeguard lives. This initiative will function under the same premise. Communities will work with local authorities to identify problem areas and devise long-term solutions to address flooding in those areas. The installation of proper drainage system in the priority areas enable communities to protect infrastructure and also reduce the incidents of vector-borne illness that threaten human health.

Key activities to be targeted under this Component include:

- i. Assess flooding patterns and devise proper drainage plans in local communities
- ii. Procure equipment for drainage system creation and maintenance
- iii. Construction of drainage systems in target communities

Modality of EDA

The EDA model will function comparatively to PACT's current investment framework for the award of grants, on which the entity was accredited to the AF and GCF. Through the call for proposal process, PACT anticipates the potential executing entities will further engage communities, non-governmental organizations, local government and grassroots organizations to develop projects that meet the needs of a broad range of stakeholders within the targeted components. Organizations to be targeted under the EDA will undergo a screening process inline with PACT's investment framework to ensure the requisite financial procedures and institutional capacity are in place. In cases where further support is

required by the entities for any of the requirements, PACT will provide support needed, inclusive of fiduciary management. PACT's internal process and procedures may be adopted if required inclusive of those established within the Trust's Environmental and Social Management Framework (ESMF). During the project development phase entities along with PACT will further examine possible recipients and enhance understanding of the pathways for funding required by individuals and the target recipients at the local level under each component.

The EDA module is best suited for these types of actions as they enable national entities to work with small grassroots organizations within structures that are familiar to them and with entities that have a greater understanding of national needs at the community level. Numerous communities are given the opportunity to work together with a local institution on the development and framing of concrete adaptation actions to address Belize's climate adaptive needs in individual communities. The actions can be more focused and community centered, thereby promoting ownership and giving communities the opportunity to shape their climate adaptation mechanisms and activities. Many of the community actions do not warrant the need for a large-scale project to meet adaptation needs, resulting in exclusion for larger project at the national level. These micro-actions are also not feasible to funding agencies given the small funding requirement. Within the EDA model and process smaller microprojects can be combined and financing accessed. This is especially the case for smaller municipalities in country that are already experiencing the impacts of climate change and require small scale financing to immediately address impacts but lack the technical capacity and institutional structures to access financing.

- B. Describe how the project / programme provides economic, social and environmental benefits, with particular reference to the most vulnerable communities, and vulnerable groups within communities, including gender considerations. Describe how the project / programme will avoid or mitigate negative impacts, in compliance with the Environmental and Social Policy and Gender Policy of the Adaptation Fund.**

Economic Benefits

The protection of water resources will have economic benefits for farmers that utilize water resources for their agricultural ventures. Given uncertainties caused by drought, the securing of alternative water sources for food and livestock production will ensure that the country continues to benefit from the growth of the Agriculture Sector. Traditional small-scale and mechanized large-scale agriculture is considered a major source of livelihood within the Belize River Watershed. Approximately 27% of the middle reaches of the watershed is classified as Agriculture Frontier – Traditional Livestock with and other 6% being classified as Agriculture Frontier – Mechanized Livestock. Thereby the protection of water resources will have impactful economic benefits to farmers that utilize the area. Water security is also key to the survival of communities. In the absence of potable water from local sources the cost of water in communities will increase. The proposed actions of the project, to protect water resources by ensuring water quality, minimize the need for additional financing to be sought for the provision of potable water in communities for the development of infrastructure which would have financial implications to the communities.

Proper wildfire management in country will also reduce the loss of food and livestock, resulting in benefits to farmers. By increasing the country's ability to tackle wildfires, communities will have reduced losses to food stocks and infrastructure caused by uncontrolled wildfires. Similarly, the construction of proper drainage systems will minimize losses to infrastructure in low-lying areas, inclusive of private and public property. This will reduce the need for financing to address damages that result from floods that last an extended period of time, due to the lack of adequate drainage structure.

Social Benefits

The project interventions will protect local communities and reduce their vulnerabilities to the impacts of climate change thereby enabling communities to benefit from regulating, provisioning and protection services, on which they are heavily dependent. Riparian restoration activities have the added benefit of maintaining the integrity of riverbanks thereby reducing loss of property linked to erosion. Restoration activities will also improve the functionality of the watersheds during periods of heavy rains and drought.

Similarly improving the quality of water within the ecosystems will have a similar effect on local communities, by providing all communities in the watershed with a reliable source of potable water. In the absence of interventions to improve water quality, communities can rapidly degrade the integrity of water resources, threaten ground water aquifers and ultimately lose access to a reliable water source, whose abundance is already threatened by climate change given changes in rainfall patterns and increased periods of drought.

The project will create livelihood opportunities within many communities across the country in climate vulnerable areas. The creation of alternative sources of livelihood will provide community members with an additional secure income generating avenue that also promotes the sustainable utilization and protection of natural resources. It will provide training and coaching in identifying, establishing and developing businesses that produce sustainable forest or farm-based products and marketing such products to the local market. The project will have a particular focus on supporting the livelihoods of women and youth by examining opportunities along the value chain of locally produced products - products that will support landscape regeneration. All actions in the project will function on the principles of gender responsiveness and inclusivity during its implementation. In line with PACT's standard framework, all subprojects will be responsible for the implementation gender responsive action plans that take into consideration the gender roles, responsibilities and national needs. EEs will also be responsible for monitoring and reporting of progress.

Interventions to decrease flooding have the added value of protecting human health in target communities. Improved infrastructure also enables communities to protect infrastructure resources thereby decreasing the time, effort and financial implications that result from large scale flooding events.

Environmental Benefits

The project will have substantive benefits to the ecosystems and associated services in key areas of the country. Interventions in the Belize River Watershed will result in the restoration of ecological integrity and functioning of the watershed, resulting in the increase adaptive capacity of the ecosystem. By monitoring and resorting water quality, flora and fauna in the ecosystems can be increased, resulting in biodiversity gains. The prevention of future deterioration of the watershed will be prevented through proactive management by key entities at the national and local levels. The reduction of wildfire protects the natural ecosystem and maintains ecological functionality while also ensuring the maintenance of biological diversity in areas.

Actions to promote climate-friendly food production systems and alternative livelihoods minimize the impact of anthropogenic actions in the natural environment. The minimization of destructive practices and utilization of harmful chemicals tied to traditional farming practices, has detrimental impacts on ecosystems and biodiversity. Hence the proposed actions under this project will enhance the protection of the natural ecosystems and biodiversity by proposing alternatives that are beneficial to humans and the natural ecosystems. Project design and implementation will take into consideration the Environmental and Social Policy of the Fund. Safeguards to minimize potential impact will be instituted, these will be further elaborated in the fully developed project proposal and in individual proposals in line with PACT's Environmental, Social and Gender Management Framework.

C. Describe or provide an analysis of the cost-effectiveness of the proposed project / programme.

The cost effectiveness of the project is demonstrated through the inclusion of activities that build on existing baseline assessments and that create an enabling framework for the replication and/or scaling up of actions in other areas of the country. The project will also promote the creation of synergies with the projects/programs, detailed in section F, to avoid duplication of efforts and maximize the efficiency of project funding. The proposed interventions under the project will also be incorporated into the operational mandates of the executing entities, thereby ensuring the long-term benefits beyond the project's lifecycle.

For Component One this is evident in the creation of long-term implementation strategies that will be used to guide restoration and monitoring interventions within the target rivers, such as the Mopan and Macal Rivers, as a pilot. Through the restoration of riparian forests and securing of water resources, the project's financial investment will support the longevity of communities within the watershed for years to come, despite the impending threats posed by climate change. The benefits of the interventions far outweigh the one-off investment. The project actions will also be used to substantiate the need for improved management in other watersheds across the country, functioning as the operational framework for replication. Without financing from the AF, project actions included under Component One would be completed at a smaller scale, thereby minimizing impact to the greater watershed area. Communities can carry out small scale reforestation actions, however they would require the support from the Forest Department (FD) to identify flora to be introduced and would only be able to replant in smaller areas. Other target interventions for securing water resources may extend to the identification of other sources of water, which carry a high cost to communities and require the completion to numerous assessments and high infrastructural costs. The budget for activities under this Component is estimated at USD \$1,110,000.

Cost-effectiveness of Component Two is linked to small scale infrastructure as well as the expansion and strengthening of networks that can address threats posed by wildfires. By building the capacity and working relationships of NGOs and local communities, efficient firefighting activities can be carried out long-term at a decreased cost to the NFS. Decreasing the high costs of transportation and human resources for traditional fire management activities. NGO's and communities fire brigades will be provided with specialized training and equipment, thus enabling successful implementation of wildfire management strategies and plans based on established protocols and best practices well beyond the project life cycle. In the absence of financing from the AF, national fire defense entities would be unable to respond effectively to fire incidences, resulting in extensive damage to target communities and natural ecosystems as local financing for interventions and equipment are limited. Given the anticipated increase in temperature, decreased rainfall frequency and intensity, which may lead to extended period of drought, fire incidents are expected to increase in national hotspots. The restricted network would be unable to manage fire outbreaks during Belize's dry season. Extensive training will be required for local communities while training for NGO's will build on the extensive training already provided under projects such as the Key Biodiversity Areas Projects and through smaller projects within the BNPAS. The budget for this Component is USD \$1,100,000.

Component Three's cost effectiveness is seen in the establishment of transformative agricultural plots and the creation of alternative livelihoods that align with the availability of natural resources and long-term functionality of natural ecosystems. By creating these opportunities, the project reduces the impact on the ecosystems and also decreases the destruction to the natural environment, especially forest and water systems thereby negating the need for extensive ecosystem rehabilitation and restoration in the future. Community members will be equipped with the skills to manage and successfully operate, and if desired, expand their business. Training will

thus enable the communities to continuously generate income from sustainable renewable resources, reducing the need for future investment or alternative destructive income sources. Alternative options to achieving the same outcome under this component, would extend to the utilization of formal training facilities such as universities and vocational institutions and/or the establishment of a new program to provide training on the establishment of businesses from certified institutions. These activities, although ideal have a high upfront cost, which poverty-stricken families are unable to afford. The proposed interventions minimize the direct cost to members of the target communities to achieve the same outcome. The budget for this Component is USD \$1,302,500.

Training and capacity building is an effective way to ensure long term replication of project actions via increased knowledge and skills. Component Four creates several opportunities for long-term access to climate finance projects by enhancing the capacity of national institutions to develop, implement and monitor projects/programs. This decrease~~s~~^d the need for financing dedicated to the hiring of experts to develop projects. These programs provide continuous support to local organizations well beyond the lifespan of the project. This component minimizes the need to contract individual consultants or companies for the development and implementation of project. The component will also provide information on generating sustainable financing for the entities, thereby minimizing the need for periodic investments from international funding agencies. This component also reduces the financing national entities would need to dedicate to capacity building, which can then be invested in concrete mitigation and adaptation actions in county. The budget for this Component is USD \$2870,000.

The actions proposed under Component Five promote the continued protection of communities from the impacts of flooding, which have been amplified under changing climatic factors. The construction of proper systems within target communities decreases the risk to human lives and also protects national infrastructure. It decreases the need for added reactive measures post natural disaster which comes at a cost to a ~~country~~^{nation}, with an already strained national budget. An alternative option to the actions under Component 5 would entail the resettlement of entire communities to areas not prone to flooding. This option is not viable as target communities are well established and involuntary resettlement would result in physical and cultural loss to community members as well as a high financial cost to the government and community. These activities will also enable the local municipalities to maintain the drainage systems proposed. The budget for this Component is USD ~~\$650,000~~^{\$684,820}.

The overlapping interventions proposed in this project enabled a multisector approach to Project design, resulting in strong synergies among interventions. Synergies may also result in the pooling of resources for the implementation of a comprehensive sub-project, that addresses national needs for various sectors equally. At this stage the synergies between components have provided a strong basis for the inclusion of activities within the proposal.

D. Describe how the project / programme is consistent with national or sub-national sustainable development strategies, including, where appropriate, national adaptation plan (NAP), national or sub-national development plans, poverty reduction strategies, national communications, or national adaptation programs of action, or other relevant instruments, where they exist.

All proposed ~~c~~^eComponents are strategically linked to national and sectoral development policies in the country. The proposed project is centered on the implementation of Belize's National Climate Change Policy, Strategy and Action Plan (NCCPSAP) which aims to guide the short, medium and long-term processes of adaptation and mitigation of Climate Change and to ensure the mainstreaming and integration of Climate Change considerations

at all levels of the development, planning and operational processes of governance (NCCPSAP, 2015).

Interventions for restoration and protection of forested ecosystems are linked to the needs identified in Belize's Nationally Determined Contribution (NDC), Forest Policy and the National Biodiversity Strategy and Action Plan (NBSAP). The latter documents have called for the continued protection of key ecosystems in the country and their associated ecosystem services to address the country's climate adaptive capacity. Proposed sub-project interventions contribute to the achievement of the goals set within these documents such as:

- maintaining the integrity of forest ecosystems and increasing reforestation (NDC, 2017)
- enhancing the protection of water catchments and the implementation of Integrated Water Resource Management (IWRM) program in watersheds (NDC, 2017)
- Sustainable management and improved resiliency of key ecosystems (NBSAP, 2016)
- Restoration of 30% of degraded ecosystems to maintain ecosystems and ecosystem services (NBSAP, 2016)

In relation to the Forest Policy (FP), the proposed project activities provide guidance for actions to be taken to address the direct and indirect threats posed by global climate change on forests and forest-dependent communities in order to reduce their vulnerability, increase their resilience and adapt to climate change. The actions envisioned under this project will enhance the capacity of communities in the buffer zones of the ~~Protected Areas~~ to adapt to climate change and build their resiliency to adapt.

The Project also contributes to the achievement of Sustainable Development Goals (SDGs) 6 -Clean Water and Sanitation, 5 - Gender Equality, 13 – Climate Action and 15 – Life on Land.

E. Describe how the project / programme meets relevant national technical standards, where applicable, such as standards for environmental assessment, building codes, etc., and complies with the Environmental and Social Policy of the Adaptation Fund.

The project will ensure compliance with nationally established protocols established by the Department of Environment (DOE) for the assessment of water quality in the selected water systems. The water quality parameters established by the DOE will also be used as a guiding marker for determining the health of the watershed and rivers. Established ecological parameters for flora and fauna will also be consulted for national assessments. The procurement of equipment for the sub-projects will also ensure adherence to environmental standards to control pollution as established by the DOE.

As necessary, the project will obtain all necessary permits for specific activities requested by the different sector authorities for the execution of the sub-projects. All activities will adhere to the highest standards of environmental management in order to avoid negative impacts on ecosystems, biodiversity and people's health. The project will adhere to the Environmental and Social Policy and devise mechanisms to be in full compliance with all human rights including those of marginalizes and vulnerable groups and indigenous peoples.

The project will support national regulations regarding the safe and restricted use of pesticides (coordinated by the Pesticides Control Board) and local regulations regarding the use of forest resources. ~~During the project development phase. At the development of and again during the Call for Proposal phase the full project proposal stage,~~ the environmental and social risks will be identified and assessed, measures will be outlined to mitigate such risks and systems will be developed to monitor and report on such risks; during the ~~implementation of subproject's implementation~~. Entities will be required to elaborate on the sub-project's adherence to national and international technical standards during the submission of proposals under PACT's EDA Call for Proposals.

F. Describe if there is duplication of project / programme with other funding sources, if any.

The proposed interventions under the Components will not duplicate any projects or activities. All proposed interventions under the project are scaling up of national initiatives, key actions recommended by previous projects and actions to create further synergies aimed at building the country's capacity to address climate impacts and build resiliency. These synergies extend to:

The 'Protection and Sustainable use of the Selva Maya' Project (2011-2021), Selva Maya for short, was financed by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH. In Belize, the project has been implemented in collaboration with Belize's Forest Department. The project has developed and piloted measures to protect and sustainably use biodiversity and natural resources in the Selva Maya tri-national forest taking into consideration climate change impacts to the system. Activities under the project extended to the promotion of environmentally friendly income generating programs such as sustainable agroecological and silvopastoral practices (beekeeping and vegetable production), creation of value-added products, development of and implement climate-smart management plans for the BNPAS, piloting of participatory community land use plans, and improved environmental governance by strengthening national institutions. The proposed sub-projects would further advance the actions for wildfire management, securing ecosystems within the BNPAS and building the capacity of relevant agencies. Sub-projects will also focus on the promotion of sustainable agricultural practices creating alternative livelihood sources for communities by ensuring the incorporation of climate-smart measures that boost production. This project is also promoting the Integrated Selva Maya Strategy at the trinational level so this project will be able to work hand in hand with the Strengthening other Pprojects to ensure that the activities implemented under this project receives the visibility at the trinational level as well.

The project will also build on the preliminary assessment completed under the Forest Landscape Restoration (FLR) and Restoration Opportunities Assessment Methodology (ROAM) Project being implemented by the Belize Forest Department. The project has numerous financial contributors such as the IUCN, KFW, and GIZ among others. The main goal of the project is to assess national drivers of degradation and devise functional landscape restoration processes and strategies. Priority areas for restoration interventions have also been identified under the project. It is the goal of this project to implement the functional restoration activities within the nationally prioritized sites to protect water resources, biodiversity and ecological functionality. In areas not prioritized, restoration activities will be conducted in adherence to the standards established under the restoration initiative.

This project is not a duplication of the Enhancing Belize's Resilience to Adapt to the Effects of Climate Change Project implemented by the Ministry of Natural Resources and Environment, NEMO and the United Nations Development Programme (UNDP). The previous project aimed to improve the resilience of Belize to climate change by means of interventions to the water sector and the establishment of a climate change office. This project will build on the operational structures created under the Enhancing -Belize's Resilience Project by progressing the implementation of adaption actions identified by the target regulatory agencies that are supported by local communities and organizations. It will scale up the technical training provided to national agencies for climate change adaptation as well as actions for building community resilience, advancing food security, water and forest management in targeted watersheds. The lessons learnt from the previous project will guide the implementation of this proposed intervention.

G. If applicable, describe the learning and knowledge management component to capture and disseminate lessons learned.

As the proposed project intends to build on frameworks already established by numerous initiatives in the country, the learning and knowledge management component of the project will be based on the continuous collaboration between key entities to ensure sustainability. A key mechanism linked to the success of all sub-projects involves the establishment of technical working groups (TWG), which function as knowledge dissemination centers for all relevant sectors in the country. The TWG, will not only provide technical support to the achievement of project objectives but will also function as liaisons for the infiltration of information related to project results, best practices and lessons learnt into their respective sectors. The monitoring and evaluation framework will also enable the periodic capturing of lessons for the readjustment of interventions to ensure a successful outcome.

Additionally, the project will document and share with the wider population the successes and lessons learnt via the awareness raising, community outreach and training components of each sub-project. For the latter, the subproject will devise and implement awareness campaigns, specifically tailored to the different communities and user groups. As the success and the sustainability of interventions within sub-projects are intrinsically tied to the incorporation of key project activities into the daily operation of communities, there is the need to educate and actively involve key stakeholders from all target communities in the project interventions. This will keep communities abreast of activities and ensure active participation, transparency and knowledge sharing.

The approach to ~~the~~ capacity building will foster sustainable knowledge transfer targeting existing local capacities through the “learning by doing” process, including tailored guidance materials, methodological approaches and the use of different tools. Persons will gain knowledge from experience. Learning is thus a vital component of knowledge management and its ultimate end. Collective learning comes from participating in the social processes of collaboration, sharing knowledge, and building on one another’s ideas. The experiences will be systematized in order to pass knowledge assets between people or systems.

H. Describe the consultative process, including the list of stakeholders consulted, undertaken during project preparation, with particular reference to vulnerable groups, including gender considerations, in compliance with the Environmental and Social Policy and Gender Policy of the Adaptation Fund.

National stakeholders with a vested interest in building the adaptive capacity of the country were consulted during the development of the project’s concept note. As the country’s climatic needs vary across sectors the PACT employed a consultative process to identify urgent climate adaptive needs within the natural resources management realm of the country. The climate adaptive needs of stakeholders from the BNPAS, Association of Protected Areas Managers (APAMO), National Biodiversity Office (NBIO), Department of Environment (DOE), National Emergency Management Organization (NEMO), Belize National Fire Service (NFS), National Hydrological Service (NHS) within the Ministry of Natural Resources, Inter-America Institute for Cooperation on Agriculture (IICA) and the Caribbean Community Climate Change Centre (CCCCC) were taken into consideration for the development of the proposed project.

Throughout the development of the project stakeholders have been informed and kept abreast of the development process. As the activities are directed towards national stakeholders, the proposed project aims to further expand the scope, by conducting extensive stakeholder consultations and continue the work which has commenced with all relevant stakeholders’ communities, including indigenous communities, during the development of the full project proposal. Consultations will take into consideration the Social and Gender policy of the Fund and PACT.

Additionally, the proposed project was designed to take into consideration the principles of participatory governance, which enables communities and national stakeholders to be actively engaged in the decision-making process. The project will adopt participatory planning, budgeting, action and M&E systems. The participatory governance approach will positively contribute towards beneficiary ownership, local capacity enhancement, accountability and transparency, which is the cornerstone of the EDA Grant. The project will ensure appropriate local engagement platforms are in place for all the local stakeholders to actively engage in the decision-making process. A strong community and local stakeholder mobilization process will be carried out from the inception of the project to ensure all local stakeholders including the target communities are brought in within the overall participatory governance model. The below diagram depicts the overall participatory governance model that will be adopted by the project.

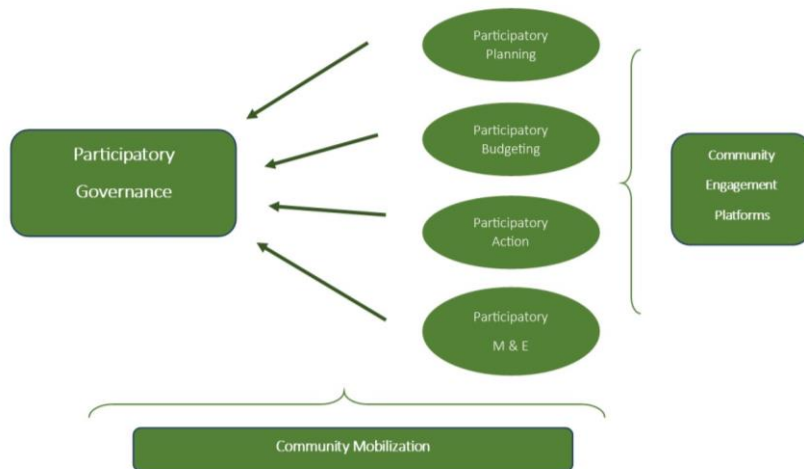


Figure 6: Diagram of Participatory Governance

I. Provide justification for funding requested, focusing on the full cost of adaptation reasoning.

Funding will further enable the country to implement adaptation recommendations and achieve climate resiliency. There have been numerous national interventions that have contributed to the adaptation of the country, however additional financing is needed to carry out activities in key areas void of interventions under other projects. The aim of this project is to scale up proven actions in new communities and ecosystems that are subject to the visible impacts of climate change. Exacerbated climate impacts could cripple a community's ability to survive within a given ecosystem ~~that lacks void of~~ appropriate adaptive measures.

The project will also strengthen the capacity of the target communities to adapt to climate change by enhancing their ability to sustainably manage their landscapes in a way that enhances their livelihoods - both economically and environmentally. The incorporation of environmental management and nature-based solutions to combating climate change, is key to Belize's resiliency. The country's heavy dependence on natural resources and the core

functioning of its numerous ecosystems has been recognized and integrated into national efforts to adapt. Hence these actions in target communities enable the country to evolve from the business-as-usual utilization of natural resources to a responsive environmental and climate conscious management approach.

The project will train and coach community members in sustainable/regenerative methods of farming that will not only increase productivity but also provide additional business opportunities along the value chains, alternative livelihoods. Food security is threatened by climate change given projected changes in rainfall, temperature and increase in storms frequency and intensity. It is important for communities to be able to provide for themselves and transition to mechanisms and systems that are resistant to the negative impacts of climate change. For this reason, there is the need to promote the integration of climate smart systems within communities to ensure food security and an alternative source of income.

The threats of climate change, specifically change in rainfall and temperature leading to increased incidents of drought, including possible hydrological droughts, and storms that destroy forests and add to fuel load, results in another disaster that threatens human lives and livelihoods - wildfires. Wildfires around the country have increased in magnitude over the past years linked to climatic changes. To protect human health and ensure that populations are able to safeguard infrastructure, forests and crops, intervention to increase the community's ability to extinguish wildfires is a priority. On the opposite end, the excess of water linked to the increased intensity of storms, also threatens communities via flooding. The extended periods of rain restrict access to homes, causes damage to infrastructure, business and crops and poses a threat to human health by serving as breeding grounds for vector-borne diseases. Immediate action is needed in communities to minimize the impact of flooding in low-lying areas. These interventions will also protect human life and minimize the negative impact of climate change on target communities.

At the national level there is the need to further garner stakeholder support and appreciation at all levels for the implementation of measures that will build the country's adaptive capacity. A paradigm shift is needed to actively integrate climate actions in the daily operations of sectors and communities. Cross-sectoral policies and management frameworks are needed to ensure the sustainability and success of interventions. The technical assistance program, proposed under Component 4 will training-of entities to access climate finance, thus enabling entities to successfully access and implement future climate projects building the country's resilience. As these small organizations are currently limited in a financial and technical capacity, actions such as the latter will allow CSOs to be at the forefront of climate-adaptive action. Support at the community level is critical to Belize.

J. Describe how the sustainability of the project/programme outcomes has been taken into account when designing the project / programme.

Institutional Sustainability

As the proposed interventions are linked to the national mandates of the executing entities (EEs), the long-term sustainability of the activities within the components will be achieved via the seamless integration of activities into the daily operations of the EEs. The components of the project are also embedded as national adaptation priorities and have been identified as necessary adaptive strategies/measures based on previous assessments. Long term implementation and monitoring will be managed by the key partners with the aid of participating community groups, such as the governing bodies within municipalities and operational NGOs, that will be strengthened under the capacity building activities of Component 4. The establishment of policies and governance arrangements, also contribute to the project's institutional sustainability via the creation of formal mechanisms and structures that can guide national actions towards the achievement of a common goal. They

also strengthen the mandates of the executing entities. Institutional strengthening also extends to the equipment and infrastructure provided to EEs under the project, which enable them to carry out day to day activities.

The long-term sustainability of the project will also be ensured by work carried out in conjunction with established NGOs and cooperatives actively engaged with the target communities. These entities have established significant experience in the development of the target communities, but also, through this project, will receive additional capacity building so they can provide enhanced support during and after the life of the project. Thus, ensuring the long-term sustainability of project activities.

Capacity Building, which has also been embedded into all components will strengthen the ability of individual organizations to meet institutional mandates and contribute to building the climate resiliency of Belize. National actions under Belize's NDC and Adaptation Planning Frameworks (including National Adaptation Plans currently under development) will progress.

Environmental Sustainability

The long-term protection and securing of water resources of the Belize River Watershed is tied to restoration interventions. The sustainability of the cComponent's interventions is linked to the continuous management and monitoring of the watersheds biotic and abiotic factors, which will be managed by local communities, as well as the Forest Department, Department of Environment and National Biodiversity Office (NBIO). The shift in the communities' utilization of the water resources will be achieved via the shift in perceptions linked to the awareness raising activities. The development of strategies will guide the long-term restoration actions of the relevant authorities and will enable the replication of interventions in other watersheds with similar characteristics.

As it relates to fire management, the extensive training and improved institutional capacity (inclusive of the provision of equipment) will enable all organizations to tackle fire management in their respective areas. The establishment of a fire network will enable organizations to cross collaborate and share experiences, which will, in turn, enable organizations to reformulate fire management strategies based on proven best practices. These actions are building on other measures implemented in the country under other projects such as the Key Biodiversity Areas (KBA) Project and Selva Maya. This contributes to the long-term protection of forest resources on which Belize's climate mitigation potential lies. These actions also enable the provisioning services of local ecosystems.

Social Sustainability

The long-term sustainability of the project will also be ensured by work carried out in conjunction with established NGOs and cooperatives that actively engage the target communities. These entities have experience in the development of the target communities, which has proven beneficial in the past. Through this project, they will receive additional capacity, to enhance the support they can provide during and after the life of the project. As community actions require long-term support and modified intervention to ensure effectiveness the continuous training will be beneficial.

The proposed interventions that support communities will also be examined thoroughly for feasibility. Interventions implemented under the project will align to the communities needs but also take into consideration cultural differences, availability of financing in the communities and gender roles, thus ensuring that the actions can be maintained by community actions without negative impacts.

Financial Sustainability

Through the provision of training to access climate financing from a variety of sources and the generation of financing from sustainable avenues, the project contributes to the creation of an enabling environment for the management of natural resources and the achievement of national climate change goals. This can also lead to the creation of new markets for products produced under Component 3. Under the latter component, the EE will explore the establishment of formal structures with financial institutions to support the maintenance or expansion of businesses and products from alternative livelihood actions. The financial sustainability is also tied to the EE's institutional sustainability.

The above considerations will be examined further during the on-granting mechanism.

~~The long-term sustainability of the project will also be ensured by work carried out in conjunction with established NGOs and cooperatives actively engaged with the target communities. These entities have established significant experience in the development of the target communities, but also, through this project, will receive additional capacity building so they can provide enhanced support during and after the life of the project. Thus, ensuring the long-term sustainability of project activities.~~

K. Provide an overview of the environmental and social impacts and risks identified as being relevant to the project / programme.

The proposed ~~CC~~Components aim to be fully aligned with the Environmental and Social Policy (ESP) and the Gender Policy of the Adaptation Fund. The initial screening detailed below addresses the safeguard areas of the ESP, identifying any potential environmental and social risks and impact that proposed project components may pose. In line with the accreditation status of the Fund, the proposed project has been categorized as Category ~~AC~~, based on potential environmental and social impacts.

The design and implementation of all Components (sub-projects) will ensure adherence to all environmental, social and gender requirements of the Fund and national legislations. Similarly, the design and implementation phase will ensure the representation and consultation of all beneficiary groups including indigenous peoples, marginalized and vulnerable groups. The proposed Components aim to enhance and protect the natural ecosystems of the country, thus ensuring the provision of ecosystem services, hence the project will, in turn, produce positive economic and social impacts to the target communities.

During the Call for Proposal, the PACT will ensure that all sub-projects are rigorously screened to be in compliance with the entity's Environmental, Social and Gender Management Framework to minimize risk during project planning and implementation.

Checklist of environmental and social principles	No further assessment required for compliance	Potential impacts and risks – further assessment and management required for compliance
Compliance with the Law	X	Low/No Risk The development of the final project document and the

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		implementation of activities under the proposed sub-projects will ensure compliance with all relevant national legislations and international laws.
<i>Access and Equity</i>	X	<p>Low/No Risk</p> <p>The proposed sub-projects intend to increase communities access to basic human services such as water and sanitation during climate uncertainties. The proposed sub-projects will in no way compromise the access of communities to basic health services, clean water and sanitation, energy, education, housing, safe and decent working conditions and land rights.</p>
<i>Marginalized and Vulnerable Groups</i>	X	<p>Low/No Risk</p> <p>The proposed project will not impose any disproportionate adverse impacts on marginalized and vulnerable groups including children, women and girls, the elderly, indigenous people, tribal groups, displaced people, refugees, people living with disabilities, and people living with HIV/AIDS.</p> <p>The proposed sub-projects are expected to improve the ability of all groups including marginalized and vulnerable groups to adapt to the adverse effects of climate change by improving the ability of communities to access water, reduce impacts to human health caused by wildfires and floods.</p> <p>During the implementation of sub-projects, the active involvement of stakeholder communities will guide the restructuring of proposed measures to fully address any unidentified needs of marginalized and vulnerable groups.</p>
<i>Human Rights</i>	X	<p>Low/No Risk</p> <p>All proposed sub-projects will respect and adhere to all relevant national legislation and international conventions on human rights including access to basic needs such as water.</p>
<i>Gender Equality and Women's Empowerment</i>	X	<p>Low/No Risk</p> <p>The proposed sub-projects will incorporate the needs of men and women equally for the development of interventions and address issues related to gender and women's empowerment linked to these climate interventions. All participatory and consultative processes will ensure the representation of women groups from all communities, gender experts and NGOs. Gender-disaggregated data will be analyzed for inclusion. <u>Gender roles and responsibilities, including those recognized in Indigenous communities will be respected. The gender inclusive nature of the project will ensure that the rights of men and women are respected and their needs fully incorporated into on the ground activities.</u></p> <p>A further assessment of gender aspects related to the project interventions will be carried out during the full proposal development phase.</p>
<i>Core Labour Rights</i>	X	<p>Low/No Risk</p> <p>The proposed project will adhere to core labour laws and the rights of all parties.</p>
<i>Indigenous Peoples</i>	X	Low Risk

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		The design of all Components and the proposed sub-projects will ensure that local communities and indigenous peoples are consulted and will benefit from interventions. Extensive stakeholder consultations will form the basis for the development of all sub-project components. Hence indigenous peoples will be consulted during project development and implementation phases respecting their needs.
<i>Involuntary Resettlement</i>	X	Low/No Risk The Components for the proposed project do not include involuntary resettlement. It is the aim of the sub-projects to secure ecosystems and their corresponding services thus securing communities.
<i>Protection of Natural Habitats</i>	X	Low/No Risk The sub-project interventions are all based on the protection of natural resources and ecosystem services. The interventions are aimed at improving the ecological functionality of vital ecosystems such as forests, grasslands and freshwater bodies. Hence the proposed intervention will not threaten, degrade or destroy and natural habitats being targeted.
<i>Conservation of Biological Diversity</i>	X	Low/No Risk The sub-project interventions will promote the conservation of biological diversity and natural habitats, through the restoration and protection of the riparian forest, benthic ecosystems, broadleaved forests and savannah/grasslands.
<i>Climate Change</i>	X	Low/No Risk The proposed project will contribute to Belize's climate change adaptation efforts. The proposed project, in no way, is intended to increase greenhouse gas emissions or contribute to any drivers of climate change.
<i>Pollution Prevention and Resource Efficiency</i>	X	Low/No Risk The proposed project will ensure the maximization of energy efficiency, strive to avoid any potential pollution and minimize the production of waste materials.
<i>Public Health</i>	X	Low/No Risk The proposed project contributes to the enhancement of public health by securing water resources for communities along waterbodies including the Mopan and Macal Rivers. Through the wildfire management component, the project will also reduce the threats posed to human health caused by smoke inhalation during extended periods of wildfire. The proposed project will in no way compromise public health in selected communities. Actions to minimize the impacts of flooding will also minimize the prevalence of vector-borne illnesses in communities by allowing flood waters to recede and decrease breeding grounds for vectors.
<i>Physical and Cultural Heritage</i>	X	Low/No Risk The proposed project poses no threat to physical and cultural heritage in any selected communities being targeted.

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<i>Lands and Soil Conservation</i>	X	<p>Low/No Risk</p> <p>The proposed project intends to conserve natural lands and soil via the protection of key ecosystems that are threatened by destructive practices linked to unsustainable traditional agricultural practices.</p>
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PART IV: ENDORSEMENT BY GOVERNMENT AND CERTIFICATION BY THE IMPLEMENTING ENTITY

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PART IV: ENDORSEMENT BY GOVERNMENT AND CERTIFICATION BY THE IMPLEMENTING ENTITY

- A. Record of endorsement on behalf of the government²** *Provide the name and position of the government official and indicate date of endorsement. If this is a regional project/programme, list the endorsing officials all the participating countries. The endorsement letter(s) should be attached as an annex to the project/programme proposal. Please attach the endorsement letter(s) with this template; add as many participating governments if a regional project/programme:*

 Mr. Joseph Waigh Financial Secretary Ministry of Finance, Economic Development and Investment	Date: 19/12/2021
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- B. Implementing Entity certification** *Provide the name and signature of the Implementing Entity Coordinator and the date of signature. Provide also the project/programme contact person's name, telephone number and email address*

I certify that this proposal has been prepared in accordance with guidelines provided by the Adaptation Fund Board, and prevailing National Development and Adaptation Plans inclusive of the Growth and Sustainable Development Strategy (GSDS) and the National Climate Change Policy Strategy and Action Plan (NCCPSAP) and subject to the approval by the Adaptation Fund Board, <u>commit to implementing the project/programme in compliance with the Environmental and Social Policy and the Gender Policy of the Adaptation Fund</u> and on the understanding that the Implementing Entity will be fully (legally and financially) responsible for the implementation of this project/programme.

² Each Party shall designate and communicate to the secretariat the authority that will endorse on behalf of the national government the projects and programmes proposed by the implementing entities.

 Nayari Diaz Perez Executive Director Protected Areas Conservation Trust (PACT) (Implementing Entity Coordinator)	
Date: 15 July 2021	Tel. and email: (501) 822-3637 ed@pactbelize.org
Project Contact Person: Denaie Swasey Climate Change Technical Officer	
Tel. And Email: (501) 822-3637 cc.techofficer@pactbelize.org	



GOVERNMENT OF BELIZE
Ministry of Finance
Belmopan, Belize

C/GEN/120/01/21(8) VOL I

July 19, 2021

The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: Secretariat@Adaptation-Fund.org
Fax: 202 522 3240/5

Dear Sir/Madam

Endorsement Request for Adaptation Fund Innovation Grant and Enhanced Direct Access (EDA) Grant

In my capacity as designated authority for the Adaptation Fund in Belize, I confirm that the national projects detailed below are in accordance with the government's national priorities in implementing adaptation activities to improve resiliency to climate change and disaster risk management.

Accordingly, I am pleased to endorse the following projects under the Adaptation Fund.

- o "Securing Water Resources through Solar energy and Innovative Adaptive Management" under the Innovation Grant; and
- o "Building Community Resilience via Transformative Adaptation" under the Enhanced Direct Access Grant.

Sincerely


JOSEPH WAIGHT
Financial Secretary



- c. Chief Executive Officer, Ministry of Sustainable Development, Climate Change and Disaster Risk Management
Executive Director, Protected Areas Conservation Trust (PACT)

Tel: 822-2152, 2158, 2362, 2169

Annex 1: Alignment of Proposed Project Objectives/Outcomes with Adaptation Fund Results Framework

Project Objective(s) ²	Project Objective Indicator(s)	Fund Outcome	Fund Outcome Indicator	Grant Amount (USD)
1. Safeguarding Forest and Water Resources through strategic protection and restoration solutions	Number of watershed ^s with improved management	Outcome 3: Strengthened awareness and ownership of adaptation and climate risk reduction processes at local level	3.1. Percentage of targeted population aware of predicted adverse impacts of climate change, and of appropriate responses	<u>\$1,110,000</u>
			3.2. Percentage of targeted population applying appropriate adaptation responses	
		Outcome 5: Increased ecosystem resilience in response to climate change and variability-induced stress	5. Ecosystem services and natural resource assets maintained or improved under climate change and variability-induced stress	
2. Combating wildfires through adaptive management	Number of communities with improved capacity to address wildfires	Outcome 2: Strengthened institutional capacity to reduce risks associated with climate-induced socioeconomic and environmental losses	2.1. Capacity of staff to respond to, and mitigate impacts of, climate-related events from targeted institutions increased	<u>\$1,100,000</u>
	Number of Protected Areas with improved capacity to address wildfires			
	<u>Number of males vs females with improved capacity to manage wildfires</u>	Outcome 3: Strengthened awareness and ownership of adaptation and climate risk reduction processes at local level	3.1. Percentage of targeted population aware of predicted adverse impacts of climate change, and of appropriate responses	
	Number of infrastructures improved for wildfire management		3.2. Percentage of targeted population applying appropriate adaptation responses	

² The AF utilized OECD/DAC terminology for its results framework. Project proponents may use different terminology but the overall principle should still apply

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		Outcome 4: Increased adaptive capacity within relevant development sector services and infrastructure assets	4.1. Responsiveness of development sector services to evolving needs from changing and variable climate 4.2. Physical infrastructure improved to withstand climate change and variability-induced stress	
3. Creating Opportunities to support Alternative livelihoods	Number of adaptive food production systems established Number of persons engaged in alternative livelihood programs <u>Number of males vs. females engaged in alternative livelihood programs</u>	Outcome 5: Increased ecosystem resilience in response to climate change and variability-induced stress	5. Ecosystem services and natural resource assets maintained or improved under climate change and variability-induced stress	<u>\$1,302,500</u>
		Outcome 6: Diversified and strengthened livelihoods and sources of income for vulnerable people in targeted areas	6.1 Percentage of households and communities having more secure access to livelihood assets	
			6.2. Percentage of targeted population with sustained climate-resilient alternative livelihoods	
		Outcome 8: Support the development and diffusion of innovative adaptation practices, tools and technologies	8. Innovative adaptation practices are rolled out, scaled up, encouraged and/or accelerated at regional, national and/or subnational level.	
4. Building National Capacity to access adaption finance	Number of persons with improved capacity to develop and implement climate finance projects/programs <u>Number of males vs. females trained</u>	Outcome 2: Strengthened institutional capacity to reduce risks associated with climate-induced socioeconomic and environmental losses	2.1. Capacity of staff to respond to, and mitigate impacts of, climate-related events from targeted institutions increased	<u>\$2870,000</u>
5. Community Disaster Risk Management	Number of communities with improved drainage to minimize the impacts of flooding	Outcome 4: Increased adaptive capacity within relevant development sector services and infrastructure assets	4.1. Responsiveness of development sector services to evolving needs from changing and variable climate	<u>\$6500,000684,820</u>

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			4.2. Physical infrastructure improved to withstand climate change and variability-induced stress	
Project Outcome(s)	Project Outcome Indicator(s)	Fund Output	Fund Output Indicator	Grant Amount (USD)
1.1.1. Improved water quality of Rivers	Number of rivers with improved climate-adaptive management systems	Output 3.2: Strengthened capacity of national and subnational stakeholders and entities to capture and disseminate knowledge and learning	3.2.1 No. of technical committees/associations formed to ensure transfer of knowledge 3.2.2 No. of tools and guidelines developed (thematic, sectoral, institutional) and shared with relevant stakeholders	\$1,110,000
1.1.2. Enhanced ecosystem services linked to the restoration of riparian forests and aquatic fauna	Percentage of riparian forests in rivers restored <u>Number of males vs. females participating in restoration activities</u>	Output 5: Vulnerable ecosystem services and natural resource assets strengthened in response to climate change impacts, including variability	5.1. No. of natural resource assets created, maintained or improved to withstand conditions resulting from climate variability and change (by type and scale)	
2.1.1. Enhancing the ability of vulnerable communities to be first responders to fire incidents	Number of communities with increased capacity to address wildfires Number of community fire brigades established <u>Number of trained males vs. females in community fire brigades established</u>	Output 2.1: Strengthened capacity of national and sub-national centers and networks to respond rapidly to extreme weather events	2.1.1. No. of staff trained to respond to, and mitigate impacts of, climate-related events (by gender)	\$1,100,000
			2.1.2 No. of targeted institutions with increased capacity to minimize exposure to climate variability risks (by type, sector and scale)	
		Output 3.2: Strengthened capacity of national and subnational stakeholders and entities to capture and disseminate knowledge and learning	3.2.1 No. of technical committees/associations formed to ensure transfer of knowledge	
			3.2.2 No. of tools and guidelines developed (thematic, sectoral, institutional) and shared with relevant stakeholders	

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		Output 4: Vulnerable development sector services and infrastructure assets strengthened in response to climate change impacts, including variability	4.1.1. No. and type of development sector services modified to respond to new conditions resulting from climate variability and change (by sector and scale) 4.1.2. No. of physical assets strengthened or constructed to withstand conditions resulting from climate variability and change (by sector and scale)	
2.1.2. Improved wildfire management for forests and grasslands across Belize	Number of NGOs, CBOs and Regulatory Agencies with increased capacity to address wildfires	Output 2.1: Strengthened capacity of national and sub-national centers and networks to respond rapidly to extreme weather events	2.1.1. No. of staff trained to respond to, and mitigate impacts of, climate-related events (by gender) 2.1.2 No. of targeted institutions with increased capacity to minimize exposure to climate variability risks (by type, sector and scale)	
3.1.1. Increased number of climate smart food production systems	Number functional climate smart food production systems established <u>Number of functional climate smart systems managed by males vs. females</u>	Output 5: Vulnerable ecosystem services and natural resource assets strengthened in response to climate change impacts, including variability Output 8: Viable innovations are rolled out, scaled up, encouraged and/or accelerated.	5.1. No. of natural resource assets created, maintained or improved to withstand conditions resulting from climate variability and change (by type and scale) 8.1. No. of innovative adaptation practices, tools and technologies accelerated, scaled-up and/or replicated 8.2. No. of key findings on effective, efficient adaptation practices, products and technologies generated	\$1,302,500
3.1.2. Increase livelihood opportunities for communities	Number of persons with an alternative form of financial income	Output 6: Targeted individual and community livelihood strategies strengthened in relation to	6.1.1.No. and type of adaptation assets (tangible and intangible) created or strengthened in	

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	<u>Number of males vs. females with an alternative livelihood</u>	climate change impacts, including variability	support of individual or community livelihood strategies	
3.1.3. Increased number of persons trained to successfully operate a natural resource-based business	Number of persons training to operate businesses <u>Number of males vs. females trained</u>	Output 6: Targeted individual and community livelihood strategies strengthened in relation to climate change impacts, including variability	6.1.1.No. and type of adaptation assets (tangible and intangible) created or strengthened in support of individual or community livelihood strategies	
4.1.1. Increased technical capacity to better access climate finance	Number of persons trained to access climate finance <u>Number of males vs. females trained</u>	Output 2.2: Increased readiness and capacity of national and sub-national entities to directly access and program adaptation finance	2.2.1 No. of targeted institutions benefitting from the direct access and enhanced direct access modality	\$2870,000
4.1.2. Increase national awareness of climate change impacts and adaptive measures	Number of NGOs, CBOs and Regulatory Agencies with increased awareness of climate change	Output 3.2: Strengthened capacity of national and subnational stakeholders and entities to capture and disseminate knowledge and learning	3.2.1 No. of technical committees/associations formed to ensure transfer of knowledge 3.2.2 No. of tools and guidelines developed (thematic, sectoral, institutional) and shared with relevant stakeholders	
5.1.1. Decreased risk of post-disaster impact – flooding	Number of communities with increased ability to recover post-disaster <u>Number of males vs. females in communities with increased ability to recover post disaster</u>	Output 4: Vulnerable development sector services and infrastructure assets strengthened in response to climate change impacts, including variability	4.1.1. No. and type of development sector services modified to respond to new conditions resulting from climate variability and change (by sector and scale) 4.1.2. No. of physical assets strengthened or constructed to withstand conditions resulting from climate variability and change (by sector and scale)	\$650,000684,820

Annex 2 – Initial Gender Assessment

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As project actions will target a large range of persons from across districts and municipalities in Belize, the demographics of the national population is presented in the initial gender assessment below. Belize has a relatively small population with a male to female ratio of 1:1. The population continues to grow slowly as is evident in the Mid-Year population estimates produced by the Statistical Institute of Belize.

There are varying gender and social roles of women across Belize, this is impacted by the cultural practices within the different communities. During the project development phase, the actions will be further streamlined thus enabling the selection of target communities under the components. A comprehensive assessment of gender within the target communities will hence be completed during the project proposal development phase.

Population Statistics
Census Population - 2012

Area	Population	Males	Females
Country Total	322,453	161,227	161,226
Urban	145,832	71,087	74,745
Rural	176,621	90,140	86,481
Corozal	41,061	20,521	20,540
Corozal Town	10,287	4,932	5,355
Corozal Rural	30,774	15,589	15,185
Orange Walk	45,946	23,214	22,732
Orange Walk Town	13,708	6,729	6,979
Orange Walk Rural	32,238	16,485	15,753
Belize	95,291	46,872	48,419
Belize City	57,169	27,655	29,514
San Pedro Town	11,767	6,052	5,715
Belize Rural	26,355	13,165	13,190
Cayo	75,046	37,445	37,601
San Ignacio/Santa Elena	17,878	8,751	9,127
Benque Viejo	6,140	3,053	3,087
Belmopan	13,939	6,779	7,160
Cayo Rural	37,089	18,862	18,227
Stann Creek	34,324	17,760	16,564
Dangriga	9,593	4,617	4,976
Stann Creek Rural	24,731	13,143	11,588
Toledo	30,785	15,415	15,370
Punta Gorda	5,351	2,519	2,832
Toledo Rural	25,434	12,896	12,538

Belize Postcensal Population Estimates - Mid-Year 2021

Area		Population	Males	Females
Country Total		430,191	215,099	215,092
	Urban	191,954	93,713	98,241
	Rural	238,237	121,386	116,851
Corozal		51,561	25,690	25,871
	Corozal Town	13,658	6,503	7,155
	Corozal Rural	37,903	19,187	18,716
Orange Walk		54,216	27,077	27,139
	Orange Walk Town	13,660	6,570	7,090
	Orange Walk Rural	40,557	20,507	20,049
Belize		131,363	64,946	66,417
	Belize City	66,083	31,908	34,175
	San Pedro Town	22,755	11,803	10,952
	Belize Rural	42,525	21,235	21,290
Cayo		105,190	52,572	52,619
	San Ignacio/Santa Elena	24,231	11,897	12,334
	Benque Viejo	7,195	3,641	3,554
	Belmopan	26,906	13,259	13,647
	Cayo Rural	46,858	23,774	23,084
Stann Creek		47,343	24,535	22,807
	Dangriga	10,803	5,091	5,712
	Stann Creek Rural	36,540	19,445	17,095
Toledo		40,518	20,279	20,238
	Punta Gorda	6,664	3,042	3,622
	Toledo Rural	33,854	17,237	16,617

National Population by Age Groups

The majority of the country's population is between the ages of 25-64 for the year 2010.

Population and Change by Special Age Groups, Belize 2000 and 2010				
Age Group	Census 2000	Census 2010	Absolute Change	Percentage Change
Under 15	101,791	114,748	12,957	12.7
15 - 24	49,581	65,196	15,615	31.5
25 - 64	136,642	194,105	57,463	42.1
65 +	10,483	13,587	3,104	29.6
80 +	2,106	3,132	1,026	48.7

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Education Demographics

In Belize, both males and females are given equal opportunity to attend educational institutions in all six districts. As presented in the table below, there is equal attendance of both male and females in formal education programs from the ages of 2 – 18. At the tertiary education level, attendance of females is higher in comparison to males. Males at the primary and secondary school level have a higher drop out and repetition rate than females.

Population Two Years and Older by Single Year of Age, Sex and Formal School Attendance Status, Belize 2010										
	Attending Formal School				Not Attending Formal School				Not Reported	
Age	Total	Males	Females		Total	Males	Females		Total	Females
Total	101,655	50,083	51,572		204,505	102,822	101,683		1,352	639
2	231	104	127		6,930	3,605	3,325		456	227
3	1,620	772	848		5,891	3,010	2,881		136	72
4	4,327	2,198	2,129		3,260	1,678	1,582		46	16
5	6,684	3,300	3,384		1,286	645	641		33	11
6	7,426	3,740	3,686		269	145	124		26	15
7	7,722	3,981	3,741		108	54	54		18	9
8	7,377	3,652	3,725		79	42	37		19	11
9	8,071	4,080	3,991		88	55	33		27	13
10	8,187	4,168	4,019		91	40	51		16	5
11	7,190	3,580	3,610		132	57	75		25	13
12	7,163	3,623	3,540		298	122	176		14	6
13	6,702	3,381	3,321		648	313	335		9	6
14	5,883	2,901	2,982		1,315	637	678		17	7
15	5,168	2,572	2,596		2,085	1,104	981		12	7
16	4,180	2,041	2,139		2,852	1,469	1,383		9	6
17	3,423	1,642	1,781		3,678	1,896	1,782		10	5
18	2,483	1,176	1,307		4,256	2,181	2,075		14	5
19	1,683	801	882		4,773	2,416	2,357		21	10
20	1,199	548	651		5,377	2,609	2,768		14	5
21	884	401	483		5,287	2,710	2,577		16	5

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22	<u>598</u>	<u>246</u>	<u>352</u>	-	<u>5,476</u>	<u>2,728</u>	<u>2,748</u>	-	<u>16</u>	<u>7</u>	<u>9</u>
23	<u>449</u>	<u>185</u>	<u>264</u>	-	<u>5,550</u>	<u>2,722</u>	<u>2,828</u>	-	<u>16</u>	<u>6</u>	<u>10</u>
24	<u>357</u>	<u>148</u>	<u>209</u>	-	<u>5,296</u>	<u>2,667</u>	<u>2,629</u>	-	<u>13</u>	<u>6</u>	<u>7</u>
25	<u>275</u>	<u>97</u>	<u>178</u>	-	<u>5,427</u>	<u>2,686</u>	<u>2,741</u>	-	<u>17</u>	<u>9</u>	<u>8</u>
26	<u>246</u>	<u>79</u>	<u>167</u>	-	<u>5,007</u>	<u>2,394</u>	<u>2,613</u>	-	<u>16</u>	<u>10</u>	<u>6</u>
27	<u>218</u>	<u>72</u>	<u>146</u>	-	<u>5,132</u>	<u>2,536</u>	<u>2,596</u>	-	<u>10</u>	<u>2</u>	<u>8</u>
28	<u>197</u>	<u>65</u>	<u>132</u>	-	<u>5,151</u>	<u>2,489</u>	<u>2,662</u>	-	<u>10</u>	<u>3</u>	<u>7</u>
29	<u>156</u>	<u>54</u>	<u>102</u>	-	<u>4,639</u>	<u>2,325</u>	<u>2,314</u>	-	<u>7</u>	<u>1</u>	<u>6</u>
30 +	<u>1,556</u>	<u>476</u>	<u>1,080</u>	-	<u>114,124</u>	<u>57,487</u>	<u>56,637</u>	-	<u>309</u>	<u>179</u>	<u>130</u>

Employment – Labour Force Statistics³

There are more females within the working age population in Belize, however more males were employed in the 2021 period than females. Majority of women are employed in basic occupations. Belize's Gender Policy highlights that in sectors where women comprise the majority of the work force, they still experience more unemployment than men.

Additionally, the Policy reiterates that poverty is a wide-ranging issue in country. With the country's poorest population being located in the Toledo District. A 2009 Poverty Study revealed that the poverty rate has increase to 41%, linked to Belize's economic vulnerability and vulnerability to natural disasters, which are expected to increase due to climate change.

-

Total Working Age Population by Sex, DISTRICT and Selected Characteristics, April 2021										
Area		Sex			District					
		Male	Female	Total	Corozal	Orange Walk	Belize	Cayo	Stann Creek	Toledo
Urban		66,501	73,316	139,817	10,122	10,609	67,116	39,890	7,391	4,690
Rural		82,356	82,446	164,803	26,442	28,029	30,852	32,712	24,702	22,066
Total		148,857	155,763	304,620	36,564	38,637	97,968	72,602	32,093	26,756

Employed Population by Sex, DISTRICT and Selected Characteristics, April 2021										
Area		Sex			District					
		Male	Female	Total	Corozal	Orange Walk	Belize	Cayo	Stann Creek	Toledo
Urban		44,492	32,075	76,567	5,439	6,075	36,152	22,546	3,767	2,588
Rural		56,453	28,396	84,849	15,257	15,366	16,951	16,971	12,190	8,115
Total		100,945	60,471	161,416	20,696	21,441	53,103	39,517	15,956	10,703

Unemployed Population by Sex, DISTRICT and Selected Characteristics, April 2021										
Area		Sex			District					
		Male	Female	Total	Corozal	Orange Walk	Belize	Cayo	Stann Creek	Toledo
Urban		3359	6148	9507	878	633	3737	3148	769	343
Rural		4246	6565	10811	1885	1035	2309	2448	1831	1302
Total		7605	12713	20318	2763	1667	6046	5596	2600	1645

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³ Source: Labour Force Survey, Statistical Institute of Belize – April 2021

Annex 5 to OPG Amended in October 2017

<u>Unemployment Rates by Sex, DISTRICT and Selected Characteristics, April 2021</u>									
<u>Area</u>	<u>Sex</u>			<u>District</u>					
	<u>Male</u>	<u>Female</u>	<u>Total</u>	<u>Corozal</u>	<u>Orange Walk</u>	<u>Belize</u>	<u>Cayo</u>	<u>Stann Creek</u>	<u>Toledo</u>
<u>Urban</u>	<u>7.0%</u>	<u>16.1%</u>	<u>11.0%</u>	<u>13.9%</u>	<u>9.4%</u>	<u>9.4%</u>	<u>12.3%</u>	<u>17.0%</u>	<u>11.7%</u>
<u>Rural</u>	<u>7.0%</u>	<u>18.8%</u>	<u>11.3%</u>	<u>11.0%</u>	<u>6.3%</u>	<u>12.0%</u>	<u>12.6%</u>	<u>13.1%</u>	<u>13.8%</u>
<u>Total</u>	<u>7.0%</u>	<u>17.4%</u>	<u>11.2%</u>	<u>11.8%</u>	<u>7.2%</u>	<u>10.2%</u>	<u>12.4%</u>	<u>14.0%</u>	<u>13.3%</u>

Annex 3: Consultation Reports

Consultation/Engagement under the Alternative Livelihood Component - IICA

The proposed project will build on activities undertaken through previous projects inclusive of the Selva Maya Project in Belize. Initial consultations and engagement have been held with the proposed target communities inclusive of communities that buffer (a) the Mountain Pine Ridge Forest Reserve (Cristo Rey, San Antonio, El Progreso (Seven Miles) and Upper Barton Creek) and (b) Sibun Forest Reserve and the Blue Hole National Park (Armenia, Springfield, Ringtail and St. Margaret's). These communities have an estimated population of 7,300 persons. A wide range of ethnicities have been consulted in the proposed target communities such as Maya, Mestizo, and Mennonites. Given the community's active participation in the Selva Maya Project, they have indicated their willingness to participate in other ventures that will build their adaptive capacity. Discussions also resulted in the identification of current needs within the community, which have the potential to be addressed under this project.

The proposed actions under the Alternative Livelihood Component have also undergone consultation with regulatory agencies and local non-governmental organizations. During preparation of this project concept consultations were held with the Selva Maya Belize project office, Belize Forest Department, personnel from the Ministry of Agriculture, the Department of Cooperatives and Belize Audubon Society. The Selva Maya project has worked with Maya Green Growers in San Antonio, while the Belize Audubon Society has worked with and produced community engagement and investment strategies for the Armenia, Ringtail and St. Margaret's and these organizations are therefore familiar with the needs of each community. As the final project document is prepared more intensive community NGO, government department and community engagement will be sought through a number of participatory sessions to ensure their needs and opinions are fully incorporated into the project design.

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Consultation Session – Information Session for the EDA Funding Window

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May 13 to May 28th 2021

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Attendees:

Nayari Perez
Jose Perez
Aquila Flores
Shary Howe
Denaie Swasey
Joyce Tun
Hannah Martinez
Judene Tingling
Vanessa Parham
Colin Gillet
Ernest Banner
Valentino Shal
Ryan Zuniga
Stephen Williams
Willie Chan

Consultation Objectives:

During a two-week timeframe the PACT held a series of consultations with national stakeholders that expressed interest in accessing financing from the Adaptation Fund for national initiatives.

PACT presented information's on the two funding windows available through the AF, inclusive of:

- Thematic Areas
- Funding CAPs
- Templates for Accessing Funding
- Technical Guidelines
- Information Requirements for Concept Note (CN) development
- Information on the support PACT would offer for the preparation of the CN.

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Meeting Outcomes

National stakeholders provided information on the potential actions they endeavored to include with the project as part of their climate adaptive needs:

- Nature Based Solutions for Water Management
 - Restoration actions
- Fire Management
 - Planning and zoning
 - Fire risk mapping
 - Capacity building and training
 - Infrastructure and equipment
- Alternative Livelihood Actions
 - Eco-Tourism and Agriculture Based
- Flood Management
 - Drainage
 - Community Education
 - Erosion mitigation
- Adaptation Technology
 - GIS Equipment and software
 - GIS utilization

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Annex 5 to OPG Amended in October 2017

Consultation Session – Presentation of Draft Concept Note

July 9th 2021 - Zoom

Attendees:
Joyce Tun
Denale Swasey
Tennielle Hendy (NHS)
Willie Chan
Stephen Williams
Aquila Flores
Melisa Beries
Colin Gillett
Vanessa Parham

Meeting Outcomes:

- Presentation of the Concept Note by PACT
- Request by NEMO for actions to be extended from Sand Pedro to potentially include other areas of the country under Component 5.
- Amendment of Communities to be targeted by National Fire Service – Community Fire Brigades
- Extension of Alternative Livelihood Option to include some actions for potential private sector engagement to build the sustainability aspect of the project initiative
- Request for Project Formulation Grants be accessed to assist with the consultations for target communities

All members are willing to partake in the implementation of the project and support the actions of the EE. Further consultations will be held during project development phase.

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5th August 2021

The Adaptation Fund Board
c/o Adaptation Fund Board Secretariat
Email: afbsec@adaptation-fund.org
Fax: 202 522 3240/5

Dear Adaptation Fund Board Secretariat,

Subject: Submission of Concept Note for Innovation Grant and Enhanced Direct Access Grant (EDA)

The Protected Areas Conservation Trust (PACT) hereby submits to the Adaptation Fund Board two (2) Concept Notes, which have been endorsed by Belize's Designated Authority, the Ministry of Finance, presented below.

1. Enhanced Direct Access (EDA) Grant titled Building Community Resilience via Transformative Adaptation to be executed by the Protected Areas Conservation Trust, with a financing request of USD \$5,000,000.
2. Innovation Grant titled Securing Water Resources through Solar Energy and Innovative Adaptive Management (SEAM) to be executed by the Ministry of Rural Transformation, Community Development, Labour and Local Government with a financing request of USD \$4,970,000.

The PACT also submits endorsed applications for Project Formulation Grant (PFG) and Project Formulation Assistance (PFA) Grant for both Concept Notes.

Should there be any queries on the Concept Notes presented, please contact the undersigned or Ms. Denaie Swasey, our Climate Change Technical Officer.

Respectfully,



Nayari Diaz-Perez (Mrs.)
Executive Director

CC: Dr. Kenrick Williams
Chairman, PACT