

1- Identification

1.1 Project details

GEF ID	5390	SMA IPMR ID	
Project Short Title	Antigua and Barbuda SPPARE	Grant ID	
		Umoja WBS	GFL-5060-2711-4E04
Project Title	Sustainable Pathways – Protected Areas and Renewable Energy (SPPARE)		
Project Type	Full Sized Project (FSP)	Duration months	48 months
Parent Programmed if child project		Age	
GEF Focal Area(s)	Biodiversity, Climate Change	Completion Date	110.0 months
Project Scope	National		1-May-19
			31-Dec-23
Region	Latin America and the Caribbean	Date of CEO Endorsement/Approval	4-Feb-15
Countries	Antigua and Barbuda	UNEP Project Approval Date (on Decision Sheet)	19-Nov-14
GEF financing amount	USD 2,639,726	Start of Implementation (PCA entering into force)	23-Mar-15
Co-financing amount	USD 7,980,000	Date of First Disbursement	15-May-15
Total disbursement as of 30 June	USD 2,536,984	Date of Inception Workshop, if available	Jan-16
Total expenditure as of 30 June	USD 2,543,707.31	Midterm undertaken?	Yes
		Actual Mid-term Date, if taken	1-Oct-18
		Expected Mid-Term Date, if not taken	
		Expected Terminal Evaluation Date	1-Mar-24
		Expected Financial Closure Date	31-Dec-24

1.2 EA: Project description

The Project Objective is to contribute to the demonstration of an integrated and self-sustaining approach to environmental stewardship in a Small Island Developing State and to enhance financing and management of protected areas through innovations in renewable energy capacity in Antigua and Barbuda.

1.3 Project Contact

Division(s) Implementing the project	Ecosystems Division	Executing Agency(ies)	Department of Environment – Ministry of Health, Wellness and the Environment, Antigua and Barbuda
Name of co-implementing Agency		Names of Other Project Partners	
TM: UNEP Portfolio Manager(s)	Ersin Esin (OIC)	EA: Manager/Representative	Sherwyn Greenidge
TM: UNEP Task Manager(s)	Christopher Cox	EA: Project Manager	Diann Black-Layne
TM: UNEP Budget/Finance Officer	George Saddimbah	EA: Finance Manager	Chalisa Philip
TM: UNEP Support/Assistant	Glortizel Frangakis	EA: Communications lead, if relevant	

2- OVERVIEW OF PROJECT STATUS

2.1	UNEP PoW & UN	<p>TM: UNEP Current Subprogramme(s)</p> <p>Nature action subprogramme</p> <p>iii. Number of countries and national, regional and subnational authorities and entities that incorporate, with UNEP support, biodiversity and ecosystem-based approaches into development and sectoral plans, policies and processes for the sustainable management and/or restoration of terrestrial, freshwater and marine areas</p>	<p>TM: UNEP previous Subprogramme(s)</p> <p>Healthy and productive ecosystems</p>			
	TM: PoW Indicator(s)					
	EA: UNSDCF/UNDAF linkages	<p>2022-2026 UN MSDF in the Caribbean includes Outcome 6 'Caribbean countries manage natural resources & ecosystems strengthening their resilience & enhancing the resilience& prosperity of the people and communities that depend on them' which is relevant to the objectives under this project</p>				
EA: Link to relevant SDG Goals	<p>SDG 7.2 (7.2.1), 7.b (7.b.1), 13.3 (3.3.2), 13.b (13.b.1), 15.8 (15.8.1), 15.9 (15.9.1), 15.b (15.b.1)</p>	EA: Link to relevant SDG Targets	<p>SDG 7.2 (7.2.1), 7.b (7.b.1), 13.3 (3.3.2), 13.b (13.b.1), 15.8 (15.8.1), 15.9 (15.9.1), 15.b (15.b.1)</p>			
2.2:	GEF Core or Sub Indicators	TM: GEF core or sub indicators targeted by the project as defined at CEO Endorsement/Approval, as well as results				
		Indicators	Targets - Expected value			Materialised to date
			Mid-term	End-of-project	Total Target	
		▼				
		▼				
		▼				
Implementation Status		2023	8th PIR			
FY 2023	PIR #	Rating towards outcomes (DO) (section 3.1)	Rating towards outputs (IP) (section 3.2)	Risk rating (section 4.2)		
	8th PIR	MS	S	L		

FY 2022	7th PIR	MS	S	L
FY 2021	6th PIR	MS	S	M
FY 2020	5th PIR	MS	MS	M
FY 2019	4th PIR	MS	MS	M
FY 2018	3rd PIR	U	U	S
FY 2017	2nd PIR	MS	MS	M
FY 2016	1st PIR	S	S	M
FY 2015				

OUTCOME 1: Revenue for protected area systems increased by US\$2 million annually. The SPPARE project supported the Sustainable Island Resource Framework Fund (SIRF Fund) in its pilot phase; the fund has since commenced its Revolving Loan Program (RLP), and began processing applications. The SIRF fund now has a team, with added support from the DOE, who have been trained and have gained experience from executing the pilot phase of the revolving loan process. Since 2021, the fund has processed over 200 loans valued at over XCD 18.5 million (US\$6.8 million) in total. The SIRF Fund business plan development was done through the SPPARE project and has been revised by the SIRF Fund team during this reporting period. The revenue generated from the installed renewable energy and the Boggy Peak National Park will be channeled through the SIRF Fund and negotiations with the West Indies Oil Company have progressed successfully during this reporting period for them to manage and maintain the renewable energy assets generated through the SPPARE project, as the WIOC is now in the process of transitioning to renewable energy.

OUTCOME 2: Improved Management Effectiveness of new Protected Areas. During this reporting period no significant progress was made on the pilot expansion of sustainable island resource protected areas: Boggy Peak National Park. The main infrastructure for the park was completed in the previous reporting period, however no significant progress was made on the other requirements for successfully launching the Boggy Peak National Park. This is mainly due to lack of additional financial support from the Government. A plan is currently being drafted to propose to the PMC to sustainably have the BPMP operational. The SPPARE project aims to operationalize the Christian Valley Interpretation Centre. To achieve this an innovative approach of hosting a diverse range of engaging events at the facility, with a minimum frequency of once per month starting October 2023. These activities, which fall in line with best practices outlined in the 2019 version of the BPNPPMP will, and are not limited to Exhibitions, Guided tours, Workshops and Demonstrations, Lectures, Panel Discussions and Talks and Special Events and Temporary Exhibitions. The plan outlines Advertising and public awareness measures which includes collaboration with entities such as Antigua and Barbuda Tourism Authority, Ministry of Tourism, Civil Aviation, Transportation, and Investments. The plan also outlines Controlling Visitors and Foot Traffic through mechanisms such as Visitor Education and Awareness, Visitor Limit Permits, Trail Management and Staffing and Control. And the final component of the plan, the budget.

OUTCOME 3: At least 100,000 tonnes of CO2 equivalent emissions avoided as direct impact of the pilot with immediate plans for 1,000,000 tCO2. During this period there was no progress on the completion and commissioning of the solar systems on the twelve health care facilities. There are still some supply chain issues with the acquiring of the tesla batteries to complete these systems. Communication with the suppliers indicates that Green Tech Group had made commitment for at least 15 units before the end of Q3. All 15 of these units will be shipped to Antigua. These units will be delivered as soon as they become available during the quarter. Green Tech Group will receive 40 units before the end of Q4, 32 of these units will go to Antigua. Thus will close out all RFP1 tesla deliveries. Tesla cannot currently provide the exact date in each quarter until the PO's are confirmed and ready to ship from the factory. Tesla rep is going to supply 6 batteries "right now" and supply in available increments with a commitment to deliver the full 15 by the end of the current quarter. Six batteries should arrive on in Antigua around the 2nd-3rd week in August after which Newfields, Bethesda, and Jennings clinic will be equipped with these batteries and completed.

With regards to the civil works required for the wind turbine installations, significant progress has been made as the bases for two turbines have been completed at the Sir Vivian Richards Stadium. Installation of the mast has been completed. The team is now awaiting some electrical parts to arrive in Antigua, after which the nacelle and the blades will be installed. The goal is to complete the two wind tubens at the stadium by the end of the year, but the leadtime on some components are around 6 months which may put the arrival just before the end of the year.

OUTCOME 4.1: Fires reduced nationwide by 20% by project end. During this reporting period no progress was made towards public awareness surrounding the National Wildfire Management Strategy due to staff turnover.

OUTCOME 4.2: Restoration efforts and avoided degradation lead to projected annual tons CO2 savings 43,216. Potential total carbon benefit of 1,115,709 tons CO2 over 30 years. During this period there was no progress made. Factors contributing to this are lack of human resource capacity, lack of financial resources from partner agencies and an extended drought.

Output 1.1 – Business Plan for the Systems of Parks and the Legislation. The rating is Satisfactory because the business plan developed for the Shekerley Mountain Management Area can be totally adapted for the Boggy Peak National Park which is a subset of this area.

Output 1.2 Financing and Operational Framework of the SIRF Fund. All associated activities have been completed in the previous reporting period.

Output 1.3: Capacity Building of SIRF Management. All associated activities have been completed with the delivery of training for the staff of the SIRF Fund Team.

EA: Summary of status
(will be uploaded to GEF Portal)

Output 1.4: Establish the MEPA Trust and other funding streams related to the SIRF Operations. The MEPA Trust has already been operational.

Output 2.1 The boundaries of the Bogy Peak National Park (BPNP) were approved by the Cabinet in July 2014. The physical demarcation has not been completed.

Output 2.2 Financial sustainability system piloted at BPNP. The development of the system for the collection of park revenues, titled the 'Green Card System' has not begun. The project is drafting a sustainable plan for this output as will require continued development post-project. This aspect is also airmarked to be continued under the Path of 2020 Project

Output 2.3: Infrastructure to Support Park Visitation and Sustainable Financing. The Interpretation Centre has been completed but is not operational due to the lack of bids to fulfill staff roles; two wardens, one park manager and one communication officer. A concept note has been drafted which outlines the proposed activities which will be done under the Path to 2020 Project, example of these are Guided tours, exhibits and lectures.

Output 3.1: Additional Funds for RE Are Secured. A significant contribution as co-financing from the Abu Dhabi Fund for Development Loan went to the procurement and installation of wind and solar renewable energy equipment.

Output 3.2: Sites Prepared for RE Installation. All wind turbine sites have been finalized: two being at the Sir Vivian Richards Stadium. The bases at the Stadium are completed and installation of the masts has been completed. The project is currently awaiting electric parts to arrive on island to install the nacelle and the blades. The aim is to have this completed by the end of 2023.

Output 3.3: Equipment is Procured and Installed. All the wind and solar renewable energy equipment have already been procured and most of the solar PV equipment has already been installed.

Output 4.1 Develop a national wildfire prevention strategy to protect the forest ecosystems. The National Wildfire Management Strategy has already been developed by an OECS Consultant and now ready for public education campaigns. During this reporting period no public ed campaigns were executed but consultations were previously held with various stakeholders including the Antigua and Barbuda Fire Department.

Output 4.2 Restoration efforts and avoided degradation lead to CO2 savings. The Department of Environment completed the upgrade of their nursery which supported the distribution of seedlings and plants to various schools across the island, the plants grown in the nursery also supported reforestation projects by various NGOs and the Department's annual Arbor Day Plant Fair.

Output 4.3: Demonstration of Sustainable Husbandry Practices. The nursery continues to grow plants which supports the annual Arbor Day Plant fair facilitated by the Department of Environment. The nursery has also supported NGOs and schools by donating plants to promote tree planting activities thus contributing to restoration efforts.

The consolidated project risk is Low. Most of the project's outputs have been already accomplished during the previous reporting periods only leaving a few important agreements and documentation to be completed. The main risk factor continues to be the lack of financial support from the government due to lingering fiscal constraints triggered by the Covid-19 pandemic.

2.4 Co-finance

EA: Planned Co-finance	US\$7,980,000.00	EA: Actual to date:	US\$14,449,739.56
EA: Justify progress in terms of materialization of expected co-finance. State any relevant challenges.	With respect to co-financing the government of Antigua and Barbuda entered into a loan agreement with the Abu Dhabi Fund for Development for a total of US \$15 million to invest in procurement and installation of the renewable energy assets for component three of this project. In addition, an estimated US \$1 million has come from the government of Antigua and Barbuda in the way of staff support, equipment, storage, transportation and security.		

2.5. Stakeholder

EA: Date of project steering committee meeting	23rd, February 2023, March 22nd 2023, March 29th 2023, April 4th 2023, April 14, 2023, April 29th 2023, May 18th 2023, May 19th 2023, May 22nd 2023, June 9th 023
EA: Stakeholder engagement (will be uploaded to GEF Portal)	N/A

2.6. Gender

TM: Does the project have a gender action plan?	<input checked="" type="checkbox"/> No
EA: Gender mainstreaming (will be uploaded to GEF Portal)	It should be noted that at project endorsement the gender aspects were not prominently featured in the results framework, as it was anticipated that there will have been parity in respect to engagement and beneficiary gains between men and women. As reported in the previous PIR cycle, the project has endeavored to expand participation by women that has been in fact reflected in the wider environmental management context in the country. At the project management level, the core team is 4:2 female to male ratio. Gender considerations have been at the forefront of almost every public and private sector investment for approximately ten years now. Therefore, in all components of this project emphasis is placed on equality for job opportunities and long-term beneficiaries and to date this has not been an issue. The project has maintained equitable gender balance between men and women in management and decision-making related to the project implementation. The overall estimated number of beneficiaries from the SPARE project is approximately 60,000 persons, with a ratio of 60% female and 40% male. This estimate is to be further validated as the project enters the wind-down phase.

TM: Was the project classified as moderate/high risk at CEO Endorsement/Approval Stage?	<input checked="" type="checkbox"/> No	TM: Have any new social and/or environmental risks been identified during the reporting period?	<input checked="" type="checkbox"/> No
TM: If yes, what specific safeguard risks were identified in the SRIF/ESERN?	note: risk rating not assigned at CEO Endorsement	TM: If yes, please describe the new risks, or changes	

TM & EA: Has the project received complaints related to social and/or environmental impacts (actual or potential) during the reporting period?

No

TM & EA: If yes, please describe the complaint(s) or grievance(s) in detail

N/A

EA: Environmental and social safeguards management
(will be uploaded to GEF Portal)

As reported in the prior PIR cycle, the project remains within the parameters of assuring that environmental and social safeguards are assured within implementation. With respect to the preparations for installation of the renewable energy components, the wind turbines and the PV panels, there has been due process in consultation with regulatory authorities particularly concerning the siting of the wind turbines in relation to ensuring compliance with civil aviation, safe proximity from human settlement and minimal degradation of ecosystems and habitats. Considerations have been factored into technology selection that minimizes risk in the event of hurricanes. The PV installations will be on critical health facilities that will extend operation particularly during times of power interruptions, contributing to social security. The construction of the interpretation Centre at Boggy Peak, the other main infrastructural feature of the project, has similarly been subject to location considerations so as to minimize adverse environmental footprint. It should be further noted that at the overall level, the project has assured local sustainable procurements in both material and labor to the extent feasible and practical so as to maximize social benefit and allow for gender-sensitive equal-opportunity. Local communities have been involved in as far as persons engaged have the requisite qualification, competence and desired experience. Where materials are not available locally or their acquisition e.g. sand, may potentially contribute to local degradation due to extraction, external sustainable sources will be procured. In respect to wider ecosystem restorative actions, these will be supervised by the Forestry Division to mitigate adverse impacts on fauna and flora. The DOE has in place a monitoring and evaluation team within its Project Management Unit that has been charged with verification of compliance with the anticipated environmental and social safeguard

2.8. KM/Learning

EA: Knowledge activities and products
(will be uploaded to GEF Portal)

During the reporting period, interviews were held with the state media during world international clean air on September 7th where staff spoke about the solar RE and wind turbine initiative. see link attached: <https://www.youtube.com/watch?v=-eu8477HMqg>
On May 19th 2023 The transportation of the wind turbines to the installation site was covered by state media. This coverage offered the opportunity to share knowledge and notify the general public of the ongoing initiatives of the project. See link: <https://www.facebook.com/100064488438203/videos/675786427924419>
Presentations were also done at the West Indies Oil Company about the SPPARE project, wind energy, and RE on the 28th of July, where approximately 30 staff members were present. Moreover, site visits were held at the wind turbine sites with 5Cs where approximately 20 persons were present and finally Summer camps were 100 students attended to learn about the project
A creation of short timelapse of the installation of one of the wind turbine was produced.

Please attach a copy of any products

EA: Main learning during the period

Lessons learned:
1. No safety guidelines available for construction projects, the DOE is developing a short document to inform contractors about their responsibilities on site. A draft document is ready, which was shared with the Technical Advisory Committee (TAC) and awaiting feedback.
2. Very little experience of contractors in the construction of foundations and in precise work. Only 2 to 3 companies are capable of carrying out the work in Antigua. The DOE is gathering all the experience learnt during the construction in a manual to guide contractors in the construction process.
3. Unforeseen issues. The batteries for the solar panels at the interpretation center exploded; upon further investigation by our technical officer and local IT company, ACT Antigua, it was concluded that a combination of factors including moisture created due to the lack of proper ventilation in the room. A report outlining the causes and list of next steps was prepared.

2.9. Stories

EA: Stories to be shared
(section to be shared with communication division/ GEF communication)

"The Department of the Environment promotes these new investments in its energy infrastructure under the concepts of sustainability, protection of natural areas, and energy sovereignty. The SPPARE Project is moving forward in Antigua and Bermuda with the installation of 15 wind turbines at the Parham Ridge and Sir Vivian Richards wind farms, respectively. The first 13 will power the Crabbs reverse osmosis plant, which will be taken over by Parham Ridge.
The project will be noteworthy in the country for being the first to marry the potential generation of revenue for sale of renewable energy to assist finance protected areas management, that can be a model for the Caribbean and other SIDS. The investment from the project is anticipated to expand awareness and acceptance among the population in the national drive toward more uptake of sustainable alternative energy. As the project now enters the wind-down phase, part of the exit strategy will be to consolidate the learnings and stories from the project execution and opportunities for scaling up at the national level and further afield. Power purchase agreement has been drafted and to be presented to the Cabinet for approval. The project is looking to completed the installation of the wind turbines by the end of 2023.
It is the aim that the PPA will provide the government with a reliable and predictable source of electricity and diversify their energy mix by procuring electricity from the wind turbines .

3. RATING PROJECT PERFORMANCE

3.1 Rating of progress towards achieving the project outcomes (Development Objectives)

Project objective and Outcomes	Indicator	Baseline level	Mid-Term Target or Milestones	End of Project Target	Progress as of current period (numeric, percentage, or binary entry only)	EA: Summary by the EA of attainment of the indicator & target as of 30 June	TM: Progress rating
Objective The aim of the project is to assist the SIRF Fund and to establish two areas of funding streams into the fund. The funding streams are: investments into Renewable Energy and Investments in Protected Areas.		No project assistance provided to SIRF Fund. No funding stream is available	N/A	SIRF Fund is assisted by the project through two established funding streams.	No funding stream is being provided	A business plan for the Boggy Peak National Park has been developed and adopted by the SIRF Fund Board. However applications are not currently being accepted.	
Outcome 1 Revenue for protected area systems increased by US\$2 million annually	The SIRF Fund Business Plan is submitted by the SIRF Fund Board for approval by the end of Year 1	SIRF Fund is created under the Finance Administration Act. No financial strategy in place. The Legislation has not yet been passed. Protected areas are funded by the Central government	The business plan is approved by Cabinet. The financial business plan is adopted by the SIRF Fund Board	The SIRF Fund begins to accept applications for funding and making small disbursements to cover 10% of recurrent costs	Business Plan developed. Applications to the SIRF Fund are not currently open.	A draft business plan for the SIRF fund was completed and ready for the Board's consideration. The Board however has requested additional amendments not related to the SPPARE project. Additionally, a business plan for the Shekley Mountain Management Area (SMMA), which encompasses the BPNP, has been developed but is not yet being operationalized.	5
Outcomes 2 Improved Management Effectiveness of new Protected Areas	Increased financial sustainability of Boggy Peak National Park	No model of managed protected area exists. Funding levels inadequate	Conservation areas zoned. Interpretation Centre construction begins. Management plan developed and implementation begun.	Conservation areas zoned. Interpretation Centre is open and operational. Management plan developed and implementation begun	Boundaries have been established but the official designation has been submitted to the DCA and awaiting approval. Interpretation Center is completed but not yet operational. Implementation of the Management Plan has not begun	The GEF Path to 2020 project developed a Protected Area Systems Plan regarding the management of protected areas. The SMMA business plan along with this will be used to guide the management of the BPNP. The exit strategy is being developed which will take into consideration these completed documents and outline sustainable completion of the remaining SPPARE component 2 activities to the GEF Path to 2020 Project. A concept note is being developed in regards to how the center will generate revenue. The Center is anticipated to be fully functioning and opened by December 2023. Through collaboration with the GEF Path to 2020 Project, TORs for BPNP management staff have been developed. A management plan for the area has been developed but is not currently being implemented.	5
Outcome 3 At least 100,000 tonnes of CO2 equivalent emissions avoided as direct impact of the pilot with immediate plans for 1,000,000 tCO2.	Avoided emissions of CO2	LOI signed. Agreement for 6000 MWh being negotiated.	Begin negotiations for scale up. By end of Year 2 Off-takers identified and sign PP Agreement with the SIRF Fund.	Negotiations for scale up are complete. Reduction of 100,000 tons of CO2 emissions by project end as indicated through GHG inventory calculations. 6MW of off-grid installed on various buildings of various Off-takers including for Reverse Osmosis plants.	No tons of CO2 emissions have been avoided at current. Installation of Wind Turbines at the Sir Vivian Richards stadium and operationalization of the Interpretation Centre will increase the emissions avoided. 6MW of off-grid installed on various buildings of various Off-takers including for Reverse Osmosis plants.	0 tons avoided as the wind turbines and solar PV panels at the Sir Vivian Richards Stadium and BPNP, respectively, have not been operationalized. Implementation of the renewable energy assets is presently ongoing. The target will be met from the cumulative renewable energy from a number of projects to include the wind turbine project (4MW), solar on clinics (290 kW) and solar at MSJMC (600kW). The commissioning of these projects might be post-project completion. The two windturbines at the stadium mast has been completed. The team is awaiting some electrical parts to arrive on island to install the nacelle and the blades. Project expects to commission these windturbines by the end of Q4. While the solar panels have already been installed, the delay in delivery of the TESLA batteries which have already been procured are slightly delaying the completion of this deliverable. The expected arrival of these batteries are by the end of Q3 2023. By the 3rd week in August, according to the suppliers, the project should receive the batteries to complete Newfield, Bethesda and Jennings clinics.	MS

Outcome 4							
4.1. Fires reduced nationwide by 20% by project end.	Fire induced invasive reduced by 20% in the pilot area CO2 avoided	No national wildfire prevention strategy exists. SIRM public announcements still running. No forest restoration efforts in place in the target areas.	Baseline for awareness of fire prevention approaches established. Wildfire prevention strategy developed in consultation with relevant stakeholders incorporating the control of invasive species. .	Awareness of Approaches to wildfire prevention increase by 25%. Forested areas sustainability managed to achieve carbon sequestration goals of annual tons CO2 savings 43,216 achieved.	The project facilitated the various stakeholder engagement on wildfire prevention strategies , developed a national situation report, wildfire management strategy	The Wallings Nature Reserve is assisting with implementation of the National Wildfire Management Strategy. They began removal of invasive fever grass within the Wallings boundary to reduce the risk of wildfires.	MS
4.2 Restoration efforts and avoided degradation lead to Co2 savings	CO2 savings	Forested areas are partially degraded due to damage by fires and presence of invasive species	National Watershed Management Committee established.	Intervention area re-mapped to represent the efforts achieved. Forested areas sustainability managed to achieve carbon sequestration goals. Annual tons CO2 savings 43,216 achieved	Restoration efforts have continues , however the exact tons of Co2 savings is unknown	Through the installation of a new nursery, tree plantings and distribution of seedling to local groups continued. The nursery has also supported NGOs and schools by donating plants to promote tree planting activities thus contributing to restoration efforts.	MS

For joint projects and where applicable ratings should also be discussed with the Task Manager of co-implementing agency.

3.2 Rating of progress implementation towards delivery of outputs (Implementation Progress)

Output	Expected completion date	Implementation status as of 30 June 2022 (%) (Towards overall project targets)	Implementation status as of 30 June 2023 (%) (Towards overall project targets)	EA: Progress rating justification, description of challenges faced and explanations for any delay	TM: Progress rating
Under Comp 1 : Development of Sustainable Island Resource Financial Plan					
Output 1.1 Business Plan for the Systems of Parks and the Legislation					
Activity 1.1.1 Develop a Business Plan for Bogy Peak National Park (BPNP)	28/09/2021	100%	100%	Completed	S
Activity 1.1.2 Implementation of Legislation and management of protected areas	1/14/2021	100%	100%	Completed	
Activity 1.1.3 Draft Regulations	14/01/2021	100%	100%	Completed	
Output 1.2 Financing and Operational Framework of the SIRF Fund					
Activity 1.2.1 Develop SIRF Fund Business Plan regulations	12/30/2020	100%	100%	Completed	S
Activity 1.2.2 Develop SIRF Fund Operations Manual	31-Mar-16	100%	100%	Completed	
Activity 1.2.3 Redefine SIRF Accounting and Procurement Rules	30/08/2019	100%	100%	Completed	
Activity 1.2.4 Appoint SIRF Fund Board	28/06/2019	100%	100%	Completed	
Output 1.3: Capacity Building of SIRF Management					
Activity 1.3.1 Train SIRF Staff on Fund Operations	31-Mar-16	100%	100%	Completed	
Activity 1.3.2 Training in the New Procurement	19-Jan-17	100%	100%	Completed	
Output 1.4: Establish the MEPA Trust and other funding streams related to the SIRF Operations					
Activity 1.4.1 Operationalization of the MEPA Trust	1-Feb-06	100%	100%	Completed	S
Activity 1.4.3 SIRF Fund disbursement to the MEPA	28/06/2019	100%	100%	Completed	
Under Comp 2: Pilot expansion of Sustainable Island Resource Protected Areas: Bogy Peak National Park (BPNP)					
Output 2.1 Bogy Peak National Park (NP) gazetted and sustainably managed					
Activity 2.1.1 Demarcate Boundaries of BPNP	1/3/2016	100%	100%	Completed	S
Activity 2.1.2 Legislate BPNP Under PPA 2003	31-Jan-20	80%	80%	The relevant documentation is with the Development Control Authority, pending formal approval.	
Activity 2.1.3. Develop a management plan for Bogy Peak National Park	31-Dec-23	95%	100%	The final BPNP management plan has been completed	
Output 2.2 Financial sustainability system piloted at Bogy Peak NP					
Activity 2.2.1. Develop Accounting System For "Green Card" Park Fees	31/12/2023	25%	25%	The green card marketing strategy has been completed and stakeholders such as the Ministry of Tourism and the Environmental Awareness Group have been engaged, but development of a feasible green card plan has been delayed. The status of this task has not changed since the last report. This activity will be reviewed and completed under the Path to 2020 project.	MU
Activity 2.2.2. Green Card Marketing Launch	31/12/2023	0%	0%	Under this activity, a concept note was drafted for the Green Card System, in addition to a marketing strategy and a pride campaign: sustainable financing for protected areas. To dated no further progress has been made under this activity, which will also be reviewed and completed under the Path to 2020 Project.	

Activity 2.2.3. Funding request for the Park developed and submitted to the SIRF Fund Board	31/12/2023	0%	0%	This activity has been put on hold as it was dependent on the BPNP Business plan completion. The SIRF also experienced some delays which overall caused this activity to be delayed. The aim moving forward is to review and complete under the Path to 2020 Project through the SMMA Business Plan.	
Activity 2.2.4. Collection of "Green Card" revenue and expenditure	31/12/2023	0%	0%	No revenue has been collected due to the reason that the green card system has not yet come on stream and also the interpretation center being delayed in operation.	
Output 2.3: Infrastructure to Support Park Visitation and Sustainable Financing					HS
Activity 2.3.1 Fence Boundary and Install Signage within the Victoria Park	30/05/2017	100%	100%	Completed	
Activity 2.3.2 Apply to DCA for Building Approval	31-May-16	100%	100%	Completed	
Activity 2.3.3 Design and Construct Eco-Interpretation Boggy Peak National Park	28-Feb-21	100%	100%	Completed	
Activity 2.3.4. Outfit Interpretation Centre With RE and EE System	1/31/2021	100%	100%	Completed	
Activity 2.3.5 Security Infrastructure for the Park buildings	16-Apr-21	100%	100%	Completed	
Activity 2.3.6. Register Assets Under the SIRF Fund	31-Mar-16	100%	100%	Task was reported as completed in the previous PIR, the team is working on consolidating the register	
Under Comp 3: Renewable Energy in support of Protected Areas Systems Pilot					
Output 3.1: Additional Funds for RE Are Secured					HS
Activity 3.1.1 Financial and Technical Feasibility for the Pilot phase	19-Jun-20	100%	100%	Completed	
Activity 3.1.2 Negotiate Additional Funding for RE Technology	30-Jan-19	100%	100%	Completed	
Activity 3.1.3 Design Business Plan RE systems in protected areas and other sites	12/31/2023	75%	100%	A draft business plan for the SIRF fund was completed and ready for the Board's consideration. The Board however has requested additional amendments not related to the SPARE project.	
Output 3.2: Sites Prepared for RE Installation					S
Activity 3.2.1. Initial pilot installation >1 MW wind power installed with ~1 MWh modulated reverse osmosis and at the Stadium; and Solar at Clinics and Solar at MSJMC	31/8/2023	60%	87%	The Clinics Solar PV systems are awaiting batteries to finalize installation. This is anticipated to be installed by end of August/early September. The wind energy installations have progressed as the two wind turbines at the Sir Viv Richards Stadium are now awaiting an electrical component before the blades can be installed. The electricals will be completed by December 2023	
Activity 3.2.2 Site Specific assessments for RE design and installation	31-Mar-23	100%	100%	Completed	
Activity 3.2.3 Apply for DCA Approval of Wind Sites	31/01/2020	100%	100%	Completed	
Activity 3.2.4 Design Energy Systems For Resilience (Off-Grid)	30-Sep-17	100%	100%	Completed	
Activity 3.2.5 Develop and Negotiate PPA, Water Levy Terms Sheet, and Framework agreements	31/12/2023	10%	50%	This activity is being delayed by the implementation and commission of the renewable energy systems. The SIRF fund business plans explore the potential revenue gained from a PPA with the Government. Once installations are completed this PPA will be finalised between the Department of Environment and the Ministry of Works. Draft PPAs have been prepared along with Term sheet examples, lease agreements, draft operations maintenance agreement and templates of purchasers agreement. The DoE is working on finalizing the PPA and presenting to the Cabinet of Antigua and Barbuda.	
Activity 3.2.6 Design Inventory Management Systems	14/10/2019	100%	100%	Completed	
Output 3.3: Equipment is Procured and Installed					S
Activity 3.3.1. Finalize procurement plan	30-Nov-18	100%	100%	Completed	
Activity 3.3.2 Issue RFPs and complete procurement of Equipment and services	31-Dec-23	100%	100%	Completed	
Activity 3.3.3. Install Equipment	15-Sep-21	50%	63%	The Clinics Solar PV RE are awaiting the TESLA batteries to finalize installation. The batteries have been procured but due to shipping logistics and shipping lead time, this activity remains delayed. Batteries are anticipated to arrive and be installed between the end of August and mid September of 2023.	
Activity 3.3.4. Negotiate O&M, Insurance, Others	31-Dec-19	40%	100%	The quotation from Insurance is ready and will be considered after the equipment have been completely installed.	
Activity 3.3.5. Register Assets Under the SIRF Fund	20-Mar-20	70%	70%	List will be updated and registered under the SIRF by October 2023	
Under Comp. 4 Enhancement of Forest Systems					
Output 4.1 Develop a national wildfire prevention strategy to protect the forest ecosystems					MS
Activity 4.1.1 Public announcements on wildfires; provide information to public	31-Dec-23	24%	100%	The wildfire prevention strategy has been developed and communicated with the fire department, the department of agriculture, forestry, the plant protection unit, the technical advisory committee and the Barbuda Council. The SPARE team has discussed the integration of the materials from the wildfire management strategy into educational materials presented to schools and community groups.	
Activity 4.1.2 Stem degradation of forest ecosystems: Boggy Park Watershed, inclusive Wallings Forest Reserve through nationwide fire prevention initiative	27/03/2020	100%	100%	Consultations were held with the Fire Department on wild fire prevention. Also an MOA between the DOE and the OECS was established to meet the following objectives; Develop a National Wildfire Prevention Strategy and Regional template, Train the Fire Department in appropriate approaches for wildfires and to establish a Reforestation project for wildfire prevention and forest enhancement. A temporary wildfire committee was also set up.	
Output 4.2 Restoration efforts and avoided degradation lead to CO2 savings					MS
Activity 4.2.1. Conduct Baseline Assessment of Forest	30/08/2019	100%	100%	Completed	
Activity 4.2.2 Monitor Environment & Social Safeguards	27/03/2020	100%	100%	Completed	

Activity 4.2.3 Communicate Findings and Lessons Learned	19/12/2019	100%	100%	Completed	
Output 4.3: Demonstration of Sustainable Husbandry Practices					S
Activity 4.3.2 Prepare Tree Nursery at The Victoria Gardens	7/31/2020	100%	100%	Completed	
Activity 4.3.5 Install Small Biogas to Convert Manure	30/06/2021	100%	100%	Completed	

The Task Manager will decide on the relevant level of disaggregation (i.e. either at the output or activity level).

4 Risk Rating

4.1 Table A. Project management Risk

Please refer to the Risk Help Sheet for more details on rating

Risk Factor	EA's Rating	TM's Rating
1 Management structure - Roles and responsibilities	Moderate: Well developed, stable Management Structure and Roles/responsibilities are clearly defined/understood. Moderate likelihood of potential negative impact on the project delivery.	Substantial: Unstable Management Structure or Individuals understand their own role but are unsure of responsibilities of others. Significant likelihood of negative impact on the project delivery.
2 Governance structure - Oversight	Moderate: Steering Committee and/or other project bodies meet at least once a year and Active membership and participation in decision-making processes. SC provides direction/inputs. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Steering Committee and/or other project bodies meet at least once a year and Active membership and participation in decision-making processes. SC provides direction/inputs. Moderate likelihood of potential negative impact on the project delivery.
3 Implementation schedule	Moderate: Project progressing according to work plan and Adaptive management and regular monitoring. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Project progressing according to work plan and Adaptive management and regular monitoring. Moderate likelihood of potential negative impact on the project delivery.
4 Budget	Moderate: Activities are progressing within planned budget and Balanced budget utilization including PMC. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Activities are progressing within planned budget and Balanced budget utilization including PMC. Moderate likelihood of potential negative impact on the project delivery.
5 Financial Management	Moderate: Funds are correctly managed and transparently accounted for and Audit reports provided regularly and confirm correct use of funds. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Funds are correctly managed and transparently accounted for and Audit reports provided regularly and confirm correct use of funds. Moderate likelihood of potential negative impact on the project delivery.
6 Reporting	Moderate: Substantive reports are presented in a timely manner and Reports are complete and accurate with a good analysis of project progress and implementation issues. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Substantive reports are presented in a timely manner and Reports are complete and accurate with a good analysis of project progress and implementation issues. Moderate likelihood of potential negative impact on the project delivery.
7 Capacity to deliver	Moderate: Sound technical and managerial capacity of institutions and other project partners and Capacity gaps were addressed before implementation or during early stages. Moderate likelihood of potential negative impact on the project delivery.	Moderate: Sound technical and managerial capacity of institutions and other project partners and Capacity gaps were addressed before implementation or during early stages. Moderate likelihood of potential negative impact on the project delivery.

If any of the risk factors is rated a Moderate or higher, please include it in Table B below

4.2 Table B. Risk-log

Implementation Status (Current PIR) 8th PIR

Insert ALL the risks identified either at CEO endorsement (inc. safeguards screening), previous/current PIRs, and MTRs. Use the last line to propose a suggested consolidated rating.

Risk	Risk affecting:	Risk Rating								Variation respect to last rating		
	Outcome / outputs	CEO ED	PIR 1	PIR 2	PIR 3	PIR 4	PIR 5	PIR 6	PIR 7	PIR 8 (this PIR)	Δ	Justification
Component 1												
Getting the SIRF Fund operational	Output 1.2	Not Applicable				S	M	L	L	L	=	The SIRF Fund is operational
All costs not accurately assessed due to external factors such as the mounting cost of climate change	Output 1.1	Not Applicable				S	M	L	L	L	=	This is no longer a risk as more data has become available.
Component 2												
Delays in construction of the BPNP interpretation Centre due to weather and delays in disbursement	Output 2.3	Not Applicable				S	M	L	L	L	=	As construction has been completed, this task is no longer a risk
Volume of visitor traffic could adversely affect biodiversity	Output 2.3	Not Applicable				S	M	M	M	M	=	This still remains a medium risk and greatly depends on the how effective the implementation of the management plan is.
Delay in getting buy-in from the private landowners	Output 2.1	Not Applicable				S	M	L	L	L	=	Private landowners have been very supportive of the conservation efforts taking place and are also very interested in how they can get accrue benefits from the engagement.

Illegal crops in intervention area present potential danger to rangers work and visitation

Component 3

Feasibility is not positive

Proximity of RE installation to Important Bird Areas

Government Lands are not designated in a timely manner for establishment of the wind farm

Competition for up-scaled investment in RE from developers

Late payment by APUA

Delay in supply due to manufacturer lead time

No Agreement for 10MW to be developed over long term, by the Department of the Environment to generate funding (through the SIRF fund) for the protected areas system

Intensified storms due to climate change

Delay in placement of wind equipment due to need for better quality wind data

Component 4

Dry weather patterns and lack of public awareness result in increased fires in forest ecosystems, increasing vulnerability to establishment of invasives

Covid 19 affecting the public awareness campaigns

Output 2.3	Not Applicable					M	H	M	L	L	=	This risk is unchanged as the park has yet to be commissioned and managed.
Output 3.1	Not Applicable					S	L	L	L	L	=	This is no longer a risk.
Output 3.2	Not Applicable					S	L	L	L	L	=	This is no longer a risk.
Output 3.2	Not Applicable					S	L	L	L	L	=	This is no longer a risk.
Output 3.1	Not Applicable					H	M	L	L	L	=	This is no longer a risk.
Output 3.2	Not Applicable					H	M	M	L	L	=	PPA will be made with the APUA and the Government of Antigua and Barbuda
Output 3.3	Not Applicable					H	M	L	L	M	↑	While equipment have been procured, the lead time of the delivering of equipment and parts may cause slight delays which contributes to implementation risks
Output 3.2	Not Applicable					S	M	L	L	L	=	This risk is unchanged, though buy in from the government for renewable energy has significantly increased, a PPA has yet to be established, but the DoE is working on it
Output 3.3	Not Applicable					S	M	M	M	M	=	Medium risk
Output 3.2	Not Applicable					S	M	L	L	L	=	No longer a risk
Output 4.1	Not Applicable					M	H	S	M	L	↓	Though the island is still experiencing long periods of drought, this risk has been reduced because wild fire campaigns have been out and training was done with the Fire Department. Moreover other NGOs have started initiatives to help combat wild fires, such as the Wallings Nature Reserve Removal of the invasive fever grass
Output 4.1	Not Applicable							M	L	not applic	=	This is no longer a risk

Consolidated project risk

						S	M	L	L	L		This section focuses on the variation. The overall rating is discussed in section 2.3.
--	--	--	--	--	--	---	---	---	---	---	--	--

4.3 Table C. Outstanding Moderate, Significant, and High risks

List here only risks from Table A and B above that have a risk rating of M or higher in the current PIR

Risk	Actions decided during the previous reporting instance (PIR-1, MTR, etc.)	Actions effectively undertaken this reporting period	Additional mitigation measures for the next periods		
			What	When	By whom
Delay in supply due to manufacturer lead time	N/A	The team sent out follow up emails and communicated with the suppliers throughout the reporting period in order to ensure supplies stayed on schedule.	continue to regularly check in with the suppliers to ensure timely delivery	Bi weekly	Technical Officer
Intensified storms due to climate change	No Specific actions	No specific actions	Consideration and design of project exit strategy for building long term resilience	End of 2023	Project Manager
Dry weather patterns and lack of public awareness result in increased fires in forest ecosystems, increasing vulnerability to establishment of invasives	Continued stakeholder outreach	Continued stakeholder outreach and removal of fever grass by the Wallings Nature Reserve	Project will continue to advance message around application of wildfire management strategies with local stakeholders in vulnerable areas, supported by the lead collaborating agencies and the fire department.	End of 2024	Project Manager
Management Structure - Roles and responsibilities	N/A	Bi-weekly meetings with project team and project manager to ensure team is aware of each person's individual task and provide updates.	Continue regular meeting with project team	bi-weekly	Project Manager and Project Team
Governance structure - Oversight	N/A	Major project decisions are presenting to the Project Management Committee (PMC) as the oversight body with final say in decisions	N/A	Quarterly or as required	Project Manager and Project Team

Implementation schedule	N/A	Provide regular updated to the M&E team for guidance and quality control		Regular project team meetings	Quarterly or as required	Project Manager and Project Team
Budget	N/A	All budget request above 25,000 usd had to be approved by the PMC		N/A	As required	Project Manager and Project Team
Financial Management	N/A	Budget and expenditure is managed by the accounting unit of the DoE, which gets audited annually		submission of regular expenditure reports for the project	Quarterly	Project Manager and Project Team, Accounts
Reporting	N/A	Documentation for completion of reports are required by the DoE		Monthly progress reports	Monthly	Technical Officer
Capacity to deliver	N/A	The DoE has procurement process in place for technical consultants. Candidates are evaluated and interviewed based on criteria outline in the published TORs.		N/A	As required	Project Manager and Project Team

High Risk (H): There is a probability of greater than 75% that **assumptions** may fail to hold or materialize, and/or the project may face high risks.
Significant Risk (S): There is a probability of between 51% and 75% that **assumptions** may fail to hold and/or the project may face substantial risks.
Moderate Risk (M): There is a probability of between 26% and 50% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.
Low Risk (L): There is a probability of up to 25% that **assumptions** may fail to hold or materialize, and/or the project may face only modest risks.

Project Minor Amendments

Minor amendments are changes to the project design or implementation that do not have significant impact on the project objectives or scope, or an increase of the GEF project financing up to 5% as described in Annex 9 of the Project and Program Cycle Policy Guidelines. Please tick each category for which a change occurred in the fiscal year of reporting and provide a description of the change that occurred in the textbox. You may attach supporting document as appropriate.

5.1 Table A: Listing of all Minor Amendment (TM)

Minor amendments	Changes	Minor amendments
Results framework	Yes	No cost extensions due to COVID pandemic and ongoing related implementation challenges
Components and cost		
Institutional and implementation arrangements		
Financial management		
Implementation schedule	Explain in table B	
Executing Entity		
Executing Entity Category		
Minor project objective change		
Safeguards		
Risk analysis		
Increase of GEF project financing up to 5%		
Co-financing		
Location of project activity		
Other		

5.2 Table B: History of project revisions and/or extensions (TM)

Version	Type	Signed/Approved by UNEP	Entry into Force (last signature Date)	Agreement Expiry Date	Main changes introduced in this revision
Original Legal Instrument		21-Apr-15	21-Apr-15	1-Apr-20	
Amendment 1	Revision	21-Jul-16	11-Sep-16	1-Apr-20	Results framework
Amendment 2	Extension	30-Apr-20	5-May-20	31-Dec-21	no cost extension
Amendment 3	Extension	18-Oct-21	18-Oct-21	30-Jun-23	no cost extension
Amendment 4	Extension	23-Jun-23	29-Jun-23	31-Dec-24	no cost extension

GEO Location Information:

The Location Name, Latitude and Longitude are required fields insofar as an Agency chooses to enter a project location under the set format. The Geo Name ID is required in instances where the location is not exact, such as in the case of a city, as opposed to the exact site of a physical infrastructure. The Location & Activity Description fields are optional. Project longitude and latitude must follow the Decimal Degrees WGS84 format and Agencies are encouraged to use at least four decimal points for greater accuracy. Users may add as many locations as appropriate. Web mapping applications such as OpenStreetMap (<https://www.openstreetmap.org/#map=4/21.84/82.79>) or GeoNames (<http://www.geonames.org/>) use this format. Consider using a conversion tool as needed, such as: <https://coordinates-converter.com> Please see the Geocoding User Guide by clicking [here](https://gefportal.worldbank.org/App/assets/general/Geocoding%20User%20Guide.docx) (<https://gefportal.worldbank.org/App/assets/general/Geocoding%20User%20Guide.docx>)

Location Name Required field	Latitude Required field	Longitude Required field	Geo Name ID Required field if the location is not an exact site	Location Description Optional text field	Activity Description Optional text field
Parham	17.10410279	-61.75471111		Surrounding farmlands, flat topography, within reach of coastal area (Turbine 1)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, foundation for turbine is 90% complete.
Parham	17.10313612	-61.75465		Surrounding farmlands, flat topography, within reach of coastal area (Turbine 2)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, foundation for turbine is 90% complete.
Parham	17.10241388	-61.75464722		Surrounding farmlands, flat topography, within reach of coastal area (Turbine 3)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, foundation for turbine is 90% complete.
Parham	17.1017	-61.7550361		Surrounding farmlands, flat topography, within reach of coastal area (Turbine 4)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.

Parham		17.10013056	-61.75244444	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 5)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.10364166	-61.75190278	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 6)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.10290278	-61.75203055	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 7)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.10223889	-61.75213055	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 8)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.10158888	-61.75296943	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 9)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.10083333	-61.75300833	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 10)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.09940833	-61.75233611	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 10)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.09774167	-61.75353056	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 11)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Parham		17.09835	-61.75240833	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 12)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Sir Vivian Richards Stadium		17.1025151	-61.78299736	Surrounding farmlands, flat topography, within reach of coastal area (Turbine 13)	Project will install wind turbine to power reverse osmosis plant: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, the site has been identified and prepped for construction.
Sir Vivian Richards Stadium		17.10348042	-61.7830651	Directly east of Sir Viv Richards Stadium (Turbine 1)	Project will install wind turbine to power stadium: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, foundation for turbine is 70% complete.
Clare Hall Pharmacy		17.1309874	-61.8222196	Directly east of Sir Viv Richards Stadium (Turbine 2)	Project will install wind turbine to power stadium: 2-stage planetary gearbox, 2-speed, asynchronous, squirrel cage generator - rated power: 275KW. At time of report submission, foundation for turbine is 95% complete.
Clare Hall Clinic		17.13130123	-61.82207565	On the property of Clare Hall Pharmacy	Installed solar production: 42.51 kW; Installed battery storage: 108 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Grays Farm Clinic		17.1127636	-61.8491154	On the property of Clare Hall Clinic	Installed solar production: 35.97 kW; Installed battery storage: 94.5 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Browne's Ave Clinic		17.10980667	-61.83842387	On the property of Grays Farm Clinic	Installed solar production: 18.31 kW; Installed battery storage: 121.5 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Cedar Grove Clinic		17.16112149	-61.81736468	On the property of Browne's Ave Clinic	Installed solar production: 12.10 kW; Installed battery storage: 27 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
All Saints Clinic		17.06438991	-61.79551677	On the property of All Saints Clinic	Installed solar production: 35.64 kW; Installed battery storage: 67.5 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Johnson's Point Clinic		17.0279623	-61.8858715	On the property of Johnson's Point Clinic	Installed solar production: 11.72 kW; Installed battery storage: 54 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
New Field Clinic		17.0572238	-61.7254611	On the property of New Field Clinic	Installed solar production: 5.89 kW; Installed battery storage: 27 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Bethesda Clinic		17.0451059	-61.7526977	On the property of Bethesda Clinic	Installed solar production: 6.22 kW; Installed battery storage: 27 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Jennings Clinic		17.0779451	-61.8601869	On the property of Jennings Clinic	Installed solar production: 11.44 kW; Installed battery storage: 27 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
National Office of Disaster Services		17.1118254	-61.8296385	On the property of National Office of Disaster Services	Installed solar production: 40.22 kW; Installed battery storage: 121.5 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Ministry of Health		17.12184733	-61.84574588	On the property of Ministry of Health	Installed solar production: 33.35 kW; Installed battery storage: 40.5 kWh. At time of report submission, the project is procuring final accessories required for commissioning.
Interpretation Centre-Christian Valley		17.0566368	-61.8554856	In the Christian Valley Agricultural Station	Gold Certification from Leadership in Energy and Environmental Design
Plant Nursery-DOE		17.12059062	-61.83645068	On the property of Department of Environment	Shade house with the capacity for over 10,000 plants

Mount St. John's Medical Centre		17.1171324		-61.8393367		On the property of Mount St. John's Medical Centre (Site 1)	Project will install 121.49 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.116421		-61.8391476		On the property of Mount St. John's Medical Centre (Site 2)	Project will install 38.22 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.11621242		-61.83908833		On the property of Mount St. John's Medical Centre (Site 3)	Project will install 74.62 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.116304		-61.8394778		On the property of Mount St. John's Medical Centre (Site 4)	Project will install 40.95 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.1159138		-61.8389915		On the property of Mount St. John's Medical Centre (Site 5)	Project will install 76.44 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.1157517		-61.8385353		On the property of Mount St. John's Medical Centre (Site 6)	Project will install 51.33 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.1161599		-61.8383012		On the property of Mount St. John's Medical Centre (Site 7)	Project will install 101.33 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.
Mount St. John's Medical Centre		17.1168623		-61.8382171		On the property of Mount St. John's Medical Centre (Site 8)	Project will install 51.33 kW PV to power hospital. At time of report submission, the project is carrying out geotechnical surveys of identified site.

Please provide any further geo-referenced information and map where the project interventions is taking place as appropriate. *

[Annex any linked geospatial file]