



GOVERNMENT OF ANTIGUA AND BARBUDA

Department of Environment
Ministry of Health and the Environment
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Tuesday 13th July 2021

The Adaptation Fund Board
1818 H Street NW, MSN N7-700
Washington DC, 20433, USA
Email: afbsec@adaptation-fund.org

RE: Notification of Innovation Project Inception: “Innovative Technologies for Improved Water Availability to Increase Food Security in Antigua and Barbuda,”

This letter is to inform you that the project titled “**Innovative Technologies for Improved Water Availability to Increase Food Security in Antigua and Barbuda,**” approved by the Adaptation Fund Board on **23rd December 2020** has officially started. Details of the project inception are below:

Details of the project are provided below:

Implementing Entity: Department of Environment

Country: Antigua and Barbuda

Grant Type: Innovation Grant

Project Description: Grant to support the improvement of food security in Antigua and Barbuda by facilitating the availability and use of ground or surface water for agricultural purposes via innovative technologies. This will include the demonstration of two different innovative technologies for water provision in the agriculture sector as well as the assessment and development of policy standards to promote future update of innovative technologies to increase water availability in agriculture

Project Start Date: 28th May 2021

Project Completion Date: 28th April 2024

Sincerely

Amb. Diann Black-Layne
Director, Department of Environment
diann.black-layne@ab.gov.ag
Tel: 1(268) 462-4626/464-6410

Meeting:	<i>Innovative Technologies for Improved Water Availability to Increase Food Security in Antigua and Barbuda Project Inception Workshop</i>		
Date of Meeting:	28 May 2021	Time:	9:00 am to 11:15am
Minutes Prepared by:	Christa-Joy Burton & Craig Cole	Location:	Virtual Meeting (MS Teams)
1. Meeting Objectives:			
<ol style="list-style-type: none"> 1. Launch the <i>“Innovative Technologies for Improved Water Availability to Increase Food Security in Antigua and Barbuda” Project</i> 2. Introduce the project to local stakeholders 			
2. Attendees (contact details located in <i>APPENDIX I-ATTENDEES AND CONTACT DETAILS</i>)			
3. Agenda, Notes, Issues and Actions			
9:00am – 9:05am	Welcome and Introductions <i>Christa-Joy Burton</i>		
9:05am – 9:20am	Opening remarks <i>Ambassador Diann Black-Layne</i>		
9:20am – 9:35am	Overview of the Small Innovation Grant Project <i>Christa-Joy Burton</i>		
	<p>Ms. Burton presented on the project’s components, budget, project timeline and the targeted stakeholders.</p> <p>Information was provided on the primary project team which consists of the following:</p> <ul style="list-style-type: none"> ▶ Project Manager – Amb. Diann Black-Layne ▶ Project Coordinator – Ms. Christa-Joy Burton and Mr. Craig Cole ▶ Comp. 1 Coordination – Mr. Jason Williams, & the Data Management Unit (DMU) ▶ Comp. 2 Coordination – PMU Officers ▶ M&E – Ms. Ezra Christopher, DMU ▶ Accounts Officer – Ms. Chalisa Phillips ▶ Policy – Ms. Alejandra Padin-Dujon ▶ Renewable Energy Officers – Ms. Santana Lewis and Mr. Vekash Khan ▶ Education and Public Awareness – Ms. Amira McDonald, Mr. Daryl George & Mr. D’Kaboo Brann ▶ ESS & Gender – Ms. Rashauna Adams-Matthew <p>Next, key details on the project background were provided:</p> <ul style="list-style-type: none"> • Small Innovation Grant: Funded by the Adaptation Fund for US \$250,000.00 • Project Duration: 24 months • Project Period: 2021 - 2023 <p>Project Overview:</p>		

<p>9:35am – 9:50am</p>	<ul style="list-style-type: none">▶ This project aims to improve food security in Antigua and Barbuda by facilitating the availability and use of ground or surface water for agricultural purposes via innovative technologies▶ This project will introduce technologies that have not been tested in the Agriculture Sector of Antigua and are new to the market.▶ The proposed technologies are aligned with the country’s Nationally Determined Contribution (NDC) target of transitioning to 100% renewable energy by 2030.
<p>9:50am – 10:10am</p>	<p>An Overview of the Data Management Unit’s plan for Component 1 of the AF Innovation Grant Project <i>Jason Williams, Data Manager</i></p> <p>Mr. Williams presented information on the following topics:</p> <ul style="list-style-type: none">▶ Monitoring, Evaluation & Data Management Unit (DMU)▶ DMU Approach to Component 1 (Work Plan)▶ Task Deliverables▶ Stakeholders for component 1
<p>10:10am – 10:30am</p>	<p>Next Steps <i>Craig Cole</i></p> <p>Mr. Cole presented information on the following topics:</p> <ul style="list-style-type: none">▶ Component 2 overview▶ Stakeholder engagements▶ Possibilities for upscaling after project completion
<p>10:30am – 10:40am</p>	<p>Project Monitoring & Evaluation <i>Ezra Christopher</i></p> <p>Ms Christopher spoke about the importance of monitoring & evaluation. She then presented the results framework for the project, the nature of the reports required and the reporting responsibilities.</p> <p>Discussion on the Project’s alignment with Stakeholder Organizations’ goals and priorities <i>Christa-Joy Burton</i></p> <p>Related programs, initiatives and stakeholder recommendations <u>Alignment with National Strategies & Technical Standards</u> <u>The project is expected to contribute to United Nations SDGs such as,</u></p> <ul style="list-style-type: none">- <u><i>SDG 2: Zero Hunger</i></u>- <u><i>SDG 5: Gender Equality</i></u>- <u><i>SDG 6: Clean Water and Sanitation</i></u>- <u><i>SDG 7: Affordable and Clean Energy.</i></u> <p><u>It is also aligned with Antigua and Barbuda’s National Determined Contributions to:</u></p> <ul style="list-style-type: none">▶ <u>By 2025, increase seawater desalination capacity by 50% above 2015 levels.</u>

	<p>educational institutions, including provision of training for students at Antigua and Barbuda Institute of Continuing Education (ABICE), to provide additional services.</p> <p>Question/Comment: Janil Gore-Francis: Regarding any input on existing projects that could form part of this project initiative, Plant Protection does not currently have any such. However, please feel free to contact me for any pertinent assistance we could offer going forward. Thanks much and have a successful rest of the workshop.</p> <p>Response: Craig Cole: Thank you for participating. We will reach out to you.</p> <p>Question/Comment: Anika Aska: I would like to complement the DOE for this effort, and I see possibilities not only for cooperation with the MOA but also with projects that might be implemented by the FAO.</p> <p>Question/Comment: Gregory Bailey: The Ministry of Agriculture will assist in any way it can.</p>
<p>Next Steps</p>	<p>The AF Innovation team will provide the participants with the inception workshop report and presentations by June/July 2021. A Minutes Report will be generated in advance of the Workshop Report, to provide a brief summary of the Inception Workshop.</p> <p>The team will also begin engagements with the individual stakeholders to kick off the project implementation.</p> <p>Thus far, letters of engagement have been drafted to the UWI, and relevant ministries, particularly Ministry of Agriculture and Ministry of Education to confirm the DOE's interests in collaboration.</p> <p>The DMU team and PCs will also begin conducting site visits in the month of June 2021.</p>
<p>Further Comments/ Closing Remarks</p>	

Minutes prepared by:

(Officer's Name)
(Officer's Position)

Signed off by:

Dir. Diann Black-Layne

June 30th 2021
Date

Department of Environment

Chief Environmental Officer

Appendix I-Attendees and Contact Details

Name	Organisation	Post	Contact
Andrew Nurse	Survey & Mapping Division	Chartered Surveyor	Andrew.nurse@ab.gov.ag
Janil Gore-Francis	Plant Protection Unit	Chief Plant Protection Officer	Janil.gore-francis@ab.gov.ag
Craig Cole	DOE	Co-Coordinator, AF Innovation; Technical Officer	Craig.cole@ab.gov.ag
Christa-Joy Burton	DOE	Co-Coordinator, AF Innovation; Project Officer	Christajoy.burton@ab.gov.ag
Anik Jarvis	DOE	Data Consultant	
Janeil Johnston	DOE	Junior GIS Consultant	Janeil.johnston@ab.gov.ag
Shantel Victor-Cole	DOE	Senior Project Officer	Shantel.victor-cole@ab.gov.ag
Katecia Thompson	DOE	PC, Path to 2020	Katecia.thompson@ab.gov.ag
Curtis Charles	UWIFI	Director of Academic Affairs	Curtis.charles@uwi.edu
Sherwyn Greenidge	DOE	Data Consultant	
Ayanna Griffith	DOE	Data Consultant	Ayanna.griffith@ab.gov.ag
Oraine Nurse	DOE	Data/Junior GIS Consultant	Oraine.nurse@ab.gov.ag
Daniel Perreira	DOE	Economics Apprentice	Danielperreira@gmail.com
Adolph Audain	Southern Farmers Association	Consultant; President, Southern Farmers' Association	
Jason P. Williams	DOE	Data Manager	Jasonp.williams@ab.gov.ag
Ezra Christopher	DOE	M&E Officer	Ezra.christopher@ab.gov.ag
Santana Lewis	DOE	Renewable Energy Apprentice	
Ayesha Constable		PC, National Adaptation Plan Project	Ayesha.constable@ab.gov.ag
Representative	ABICE		Abiceforlife@gmail.com
Dion Tuitt	DOE	Quantity Surveyance; Apprentice	
Anika Aska	Min of Agriculture	FAO Representative	
Gregory Bailey	Min of Agriculture	Director	Gregory.bailey@ab.gov.ag

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Dudley Williams	DOE	Renewable Energy Apprentice	
Diann Black-Layne	DOE	Director	Diann.black-layne@ab.gov.ag
Arlene Weste	ABICE	Principal	
Melissa LeBlanc	DOE	Renewable Energy Officer	Melissa.leblanc@ab.gov.ag
Aaliyah Tuitt	DOE	Data Consultant	Aaliyah.tuitt@ab.gov.ag
Jamila Gregory	DOE	Project Development Associate/Smartsheets	Jamila.gregory@ab.gov.ag
Dianne Rodrigues	Bureau of Standards	Director	Dianne.rodrigues@ab.gov.ag
Amiah Nicholas	Ministry of Tourism	Sustainable Tourism Unit	
S. Natalya Lawrence	GEF SGP	National Coordinator	Shawna.lawrence@undp.org
Gita Gardner	DOE	M&E Apprentice	Gita.gardner@ab.gov.ag
Indira James	Ministry of Health, Wellness & the Environment		Indira.james@ab.gov.ag
Joseph Prosper	Ministry of Environment	IAS Project Coordinator	Jpsonaya@gmail.com

Stakeholder list for Component 1 and 2 of the Adaptation Fund Innovation Project:

Stakeholder	Impact:	Output
Department of Environment (DOE)	The DOE has the legislative authority for protection and management of the environment and is the focal point for the United Nations Framework Convention on Climate Change (UNFCCC). The	All
Technical Advisory Committee (TAC)	Comprising of government, private sector and NGOs, the TAC assists with implementation activities.	All
Monitoring, Evaluation and Data Management Unit (DMU)	Responsible for implementing component 1 of the project and providing support for data collection and the implementation of projects and programs.	All
Project Management Unit (PMU)	Responsible for implementing component 2 of this project.	All

Department of Environment

Stakeholder	Impact:	Output
Ministry of Agriculture, Fisheries and Barbuda Affairs	Responsible for maintaining frequent communication between the DOE and local farmers in Antigua & Barbuda and selecting those farms that would receive the new technology.	All
Ministry of Health, Wellness and the Environment	Responsible for providing information and support in the implementation of energy efficient technology that would sustainably provide water to the agricultural community.	All
Antigua Public Utilities Authority (APUA)	Responsible for providing information and support in the implementation of energy efficient technology that would sustainably provide water to the agricultural community.	All
Local Farmers	Participate in project activities to include the demonstration projects, consultations and training.	All
University of the West Indies, Five Islands Campus	Participate in project activities to include the demonstration projects, consultations, training, and lead the development of tools, models and strategies under the project.	All
Ministry of Education	Participate in project activities to include the demonstration projects, consultations and training.	All
ABICE	Participate in project activities to include the demonstration projects, consultations and training.	All
NGOs and CSOs	Participate in project activities to include the demonstration projects, consultations and training.	All
The Barbuda Council and People	Responsible for providing information and support in the implementation of energy efficient technology that would sustainably provide water to the agricultural community.	All
Other	Any and all relevant data custodians that can provide information and support in the implementation of energy efficient technology that would sustainably provide water to the agricultural community.	All