



General Information

Fund	MPTF_00300: Infrastructure Resilience Accelerator Fund (IRAF)					
FMP Record	MPTF_00300_00106: Disaster Resilient Utility Infrastructure – St. Kitts and Nevis (DRUI-SKN)					
MPTFO Project Id						
Start Date						
End Date						
Applicants	Status	Contact Type	Name	e-mail	Position	Telephone
	Active: 31-Aug-2024 9:21:00 AM	Project Manager	Ryan Phillip	rphillip@caribbeanclimate.bz	Caribbean Community Climate Change Centre (CCCCC)	
Signatories	Signature Process	Role	Name of Organization		Name	User Email
	Digital	Signatory	Coalition for Disaster Resilient Infrastructure (CDRI) Secretariat		Mr Amit Prothi	amit.prothi@cdri.world
	Digital	Signatory	United Nations Development Programme (UNDP), UN Chair of the TFMC.		Mr Ronald Jackson	ronald.jackson@undp.org
	Digital	Signatory	Minister of Public Infrastructure and Utilities, Transport, Information, Communication and Technology and Post, Saint Kitts		Excellency Konris Maynard	konris.maynard@gov.kn
	Digital	Signatory	CCCCC: Caribbean Community Climate Change Centre		Mr Colin Young	cyoung@caribbeanclimate.bz
Contacts	Contact Type	Name	e-mail	Position	Additional e-mail	Telephone
	Focal Point	Auren Manners	auren.manners@gov.kn			

Description	<p>St. Kitts and Nevis faces growing challenges from a range of natural disasters, including hurricanes, heavy rainfall, prolonged droughts, and earthquakes. These events pose significant risks to the nation's critical infrastructure, particularly in the water, energy, and telecommunications sectors, which are essential for daily life and economic activities. The vulnerability of these infrastructural systems is compounded by their aging condition and the lack of comprehensive data on their current state and resilience.</p> <p>The DRUI project aims to address this gap by adopting a holistic approach to assessing the interconnected vulnerabilities of utility infrastructure. Historically, utility upgrades in St. Kitts and Nevis have been conducted in silos, with each sector addressing its infrastructure needs independently. However, this project will shift away from that fragmented approach, recognizing the significant interdependence among utilities. The failure of one system can have cascading effects on the others, highlighting the need for a more integrated approach to infrastructure resilience. Therefore, the project will coordinate upgrades across sectors to ensure that improvements in one area do not inadvertently create vulnerabilities in another, thereby enhancing the overall resilience of critical infrastructure.</p> <p>Specifically, the DRUI project will map and assess existing infrastructure to create a comprehensive spatial database that informs strategic planning and emergency response. Another key aspect of the project is its detailed vulnerability analysis, which integrates physical assessments of infrastructure with social vulnerability data with the aim of identifying communities and assets most at risk. These findings will be compiled into an Asset Inventory and Vulnerability Atlas, serving as a crucial tool for resilience planning and targeted interventions. Additionally, the project will establish a Unified Utility Coordination Mechanism, facilitating cross-sectoral collaboration among utility providers to enhance operational efficiency and improve emergency response capabilities. By taking this comprehensive and interconnected approach, the DRUI Project aims to ensure that utility services in St. Kitts and Nevis remain reliable and adaptive, ultimately safeguarding the population's well-being, supporting economic stability, and contributing to sustainable national development.</p>				
Universal Markers	Gender Equality Marker <ul style="list-style-type: none"> GEM2 - GEWE is a significant objective of the Key Activity's overall intent 	Risk <ul style="list-style-type: none"> Low Risk 			
Fund Specific Markers	THEMATIC FOCUS	Themes <ul style="list-style-type: none"> KNOWLEDGE, RESEARCH, INNOVATION POLICIES, REGULATORY FRAMEWORKS STRENGTHENING DATA FOR DECISION MAKING INCLUDING IMPACT BASED EARLY WARNING SYSTEM 			
	GEOGRAPHICAL WINDOWS	Geographical Funding windows <ul style="list-style-type: none"> Small Island Developing States (IRIS) 			
	SECTORAL FOCUS	PRIMARY SECTORS IN FOCUS <ul style="list-style-type: none"> Telecommunication (including MHEWS) Power/Energy Water 			
	ELIGIBILITY TO RECEIVE IRAF FUNDING	ELIGIBILITY CRITERIA - SELECT RELEVANT CRITERIA APPLYING TO YOUR ORGANIZATION -ATTENTION UN ORGANIZATIONS : ONLY SELECT n/a) <ul style="list-style-type: none"> Harmonized Approach to Cash Transfer (HACT) assessment: Your organization has undergone a HACT micro assessment to receive funding from the UN system less than two years ago (in the last 24 months).If yes, please upload the HACT report in Documents tab. 			
	HAZARD SCOPE	Hazards <ul style="list-style-type: none"> Not applicable (n/a) 			
Geographical Scope	Geographical Scope <ul style="list-style-type: none"> Country 	Name of the Region	Region(s) <ul style="list-style-type: none"> Americas 	Country <ul style="list-style-type: none"> Saint Kitts and Nevis 	
Participating Organizations and their Implementing Partners	UN Participating Organizations	Government/ Multilateral/ NGO/ Other <ul style="list-style-type: none"> CCCCC - Caribbean Community Climate Change Centre 		New Entities	Implementing Partners

Programme and Project Cost	Participating Organization	Amount (in USD)	Comments
Budget Requested			
CCCCC		\$494,340.00	
Total Budget Requested		\$494,340.00	
Tranches			
Tranche 1		Tranche 2	
CCCCC (60%)	\$296,604.00	CCCCC (30%)	\$148,302.00
Total:	\$296,604.00	Total:	\$148,302.00
		Tranche 3	
CCCCC (10%)			\$49,434.00
Total:		Total:	\$49,434.00
Other Sources (Parallel Funding)			
Total		\$494,340.00	
Thematic Keywords	<ul style="list-style-type: none"> Recovery and Build Back Better Innovation 		
Programme Duration	Anticipated Start Date	06-May-2025	
	Duration (In months)	24	
	Anticipated End Date	06-May-2027	

Narratives

Title	Text
No data available.	

SDG Targets

Target	Description
Main Goals	
Goal 9. Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation	
TARGET_9.1	9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all
TARGET_9.4	9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities
TARGET_9.a	9.a Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States
Goal 11. Make cities and human settlements inclusive, safe, resilient and sustainable	
TARGET_11.5	11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations
Goal 17. Strengthen the means of implementation and revitalize the Global Partnership for Sustainable Development	
TARGET_17.16	17.16 Enhance the Global Partnership for Sustainable Development, complemented by multi-stakeholder partnerships that mobilize and share knowledge, expertise, technology and financial resources, to support the achievement of the Sustainable Development Goals in all countries, in particular developing countries
Secondary Goals	
Goal 13. Take urgent action to combat climate change and its impacts	
TARGET_13.1	13.1 Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

Target	Description
TARGET_13.2	13.2 Integrate climate change measures into national policies, strategies and planning

SDG Indicators

Indicator Code	Description
No data available.	

Contribution to SDGs

Participating Organization	% TARGET_11.5	% TARGET_13.1	% TARGET_13.2	% TARGET_17.1.6	% TARGET_9.1	% TARGET_9.4	% TARGET_9.a	% Total
CCCCC	20	15	10	15	20	10	10	100
Total contribution by target	20	15	10	15	20	10	10	
Project contribution to SDG by target	20	15	10	15	20	10	10	100

Project Results

Outcome	Output	Description
Strengthened resilience of utility infrastructure in St. Kitts and Nevis.		
	Utility Resilience and Vulnerability Profile Updated.	

Outcome	Output	Description																							
		<p>Activities</p> <table border="1"> <thead> <tr> <th data-bbox="1050 210 890 359">Title</th> <th data-bbox="890 210 1190 359">Description</th> <th data-bbox="1190 210 1430 359">Lead Participating Organization</th> <th data-bbox="1430 210 1638 359">Participating Organization</th> <th data-bbox="1638 210 1852 359">Other Organizations</th> </tr> </thead> <tbody> <tr> <td data-bbox="1050 359 890 899">Undertake a comprehensive assessment to gather and standardize spatial data on existing infrastructure assets, covering water, energy, and telecommunications sectors.</td> <td data-bbox="890 359 1190 899"></td> <td data-bbox="1190 359 1430 899">CCCCC - Caribbean Community Climate Change Centre</td> <td data-bbox="1430 359 1638 899"></td> <td data-bbox="1638 359 1852 899"></td> </tr> <tr> <td data-bbox="1050 899 890 1240">Perform a combined analysis of both physical and social vulnerabilities to climate risks and other hazards.</td> <td data-bbox="890 899 1190 1240"></td> <td data-bbox="1190 899 1430 1240">CCCCC - Caribbean Community Climate Change Centre</td> <td data-bbox="1430 899 1638 1240"></td> <td data-bbox="1638 899 1852 1240"></td> </tr> <tr> <td data-bbox="1050 1240 890 2018">Develop a comprehensive Asset Inventory and Vulnerability Atlas that catalogues all utility infrastructure assets and maps their vulnerabilities to various risks, enabling informed decision-making and strategic planning for resilience enhancement.</td> <td data-bbox="890 1240 1190 2018"></td> <td data-bbox="1190 1240 1430 2018">CCCCC - Caribbean Community Climate Change Centre</td> <td data-bbox="1430 1240 1638 2018"></td> <td data-bbox="1638 1240 1852 2018"></td> </tr> </tbody> </table>				Title	Description	Lead Participating Organization	Participating Organization	Other Organizations	Undertake a comprehensive assessment to gather and standardize spatial data on existing infrastructure assets, covering water, energy, and telecommunications sectors.		CCCCC - Caribbean Community Climate Change Centre			Perform a combined analysis of both physical and social vulnerabilities to climate risks and other hazards.		CCCCC - Caribbean Community Climate Change Centre			Develop a comprehensive Asset Inventory and Vulnerability Atlas that catalogues all utility infrastructure assets and maps their vulnerabilities to various risks, enabling informed decision-making and strategic planning for resilience enhancement.		CCCCC - Caribbean Community Climate Change Centre		
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Conduct a Comprehensive Policy Review and Develop Recommendations		CCCCC - Caribbean Community Climate Change Centre																							
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	Project Management																								

Outcome	Output	Description			
	Activities				
	Title	Description	Lead Participating Organization	Participating Organization	Other Organizations
	Project Management Team		CCCCC - Caribbean Community Climate Change Centre		
	Indirect Cost (7%)		CCCCC - Caribbean Community Climate Change Centre		
	Audit		CCCCC - Caribbean Community Climate Change Centre		
	Project Proposal Developed				
	Activities				
	Title	Description	Lead Participating Organization	Participating Organization	Other Organizations
	A comprehensive project proposal is developed, utilizing vulnerability data from Output 1.		CCCCC - Caribbean Community Climate Change Centre		
	A financing strategy is developed based on a cost-benefit analysis to estimate project feasibility and sustainability, as well as an implementation roadmap		CCCCC - Caribbean Community Climate Change Centre		
IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems			CDRI offers direct technical assistance and grants to countries to develop and adopt enhanced disaster resilient and inclusive standards and practices for infrastructure system development through direct calls for proposals, access to relevant knowledge products and solutions meant to address specific geographical or sectoral vulnerabilities, and advisory services.		
	Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems		CDRI will support SIDS countries or regions with the development and adoption of DRI country systems, standards and practices, and access to knowledge products and advisory services that are locally relevant in SIDS contexts.		
	Activities				
	No activities available.				

Signature Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
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No signature indicators available.

Imported Fund Outcome / Output Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
IRAF OUTPUT 3.1 - INDICATOR 1 (SIDS)		Nb. of SIDS countries receiving technical support in DRI inclusive policies, plans, standards and/or enhanced DRI gender and age disaggregated and open-source datasets	CDRI IRAF annual report IRIS impact monitoring reports	Capacity	Yearly	Country	Number	0	2022	20 SIDS countries received technical support in DRI inclusive policies, plans, standards and/or enhanced DRI gender and age disaggregated and open-source datasets	2027	Outcome: IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems Output: Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year	Linked Outcome / Output
IRAF OUTPUT 3.1 - INDICATOR 2 (SIDS)		Nb. of DRI / resilient recovery knowledge products that are locally relevant in SIDS contexts and promoting inclusion, community knowledge and/or nature-based solutions, disseminated to public and private sector stakeholders through various global and regional networks	CDRI website and DRI connect platform IRIS impact monitoring reports	Capacity	Yearly	Country	Number	0	2022	At least 10 locally relevant DRI solutions promoting inclusion, community knowledge and/or nature-based solutions and widely disseminated to public and private sector stakeholders in SIDS through global and regional networks by 2027	2027	Outcome: IRAF OUTCOME 3 - Countries have increased access to knowledge and resources to increase the resilience and inclusivity of their existing and future critical infrastructure systems Output: Output 3.1 SIDS are better equipped with knowledge and resources to increase the resilience and inclusivity of their critical infrastructure systems

Project Indicators

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year
Number of maps or charts generated to visualize combined vulnerabilities			Finalized atlas, digital map files, and workshop presentations showcasing maps or visualizations.	Other	At closure	Country	Number	0	2025	10	2027
No components available.											
Number of stakeholders trained on how to use the vulnerability atlas for decision-making disaggregated by sex			At least fifty (50) stakeholders trained, including representatives from utility providers, government agencies, and civil society with at least 30% women.	Capacity	At closure	Country	Number	0	2025	50	2027
No components available.											
Number of Asset Inventories and Vulnerability Atlases created			One (1) comprehensive Asset Inventory and one (1) Vulnerability Atlas created.	Other	At closure	Country	Number	0	2025	2	2027
No components available.											

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year
% of critical infrastructure assets assessed across water, energy, and telecommunications sectors			Assessment reports, GIS data layers, and inventory logs showing the number of assets mapped and evaluated.	Other	Yearly	Country	Number	0	2025	100	2027
No components available.											
Number of policies and frameworks reviewed for alignment with resilience goals			Policy review report summarizing the findings, with documentation of reviewed policies.	Policy	Yearly	Country	Number	0	2025	3	2027
No components available.											
Number of actionable policy recommendations promoting inclusion and equality in access to services			Final policy recommendation report detailing the identified GEDSI gaps and proposed solutions.	Policy	At closure	Country	Number	0	2025	3	2027
No components available.											

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year
Number of utility providers signing onto the Utility Coordination Framework or participating in coordination activities.			Signed agreements , meeting attendance records, and documentat ion of coordinatio n activities.	Other	At closure	Country	Number	0	2025	3	2027
No components available.											
% effective ness on the coordinat ion framewor k scorecar d, reflecting improved collabora tion, streamlin ed emergen cy response, and enhance d disaster manage ment capabiliti es.			Completed scorecards evaluating the coordinatio n framework against established criteria, developed based on recommend ations from the assessment.	Capacity	At closure	Country	Percentage	0	2025	80	2027
No components available.											

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year
Number of staff consulted and engaged in the development of the proposal across key sectors (water, energy, telecommunications).			Meeting minutes, attendance records, consultation reports, stakeholder feedback forms	Beneficiaries	Yearly	Country	Number	0	2025	30	2027
	No components available.										
Number of targeted interventions (infrastructure upgrades, policy improvements, capacity-building, etc.) proposed.			Project proposal document and stakeholder validation reports	Other	At closure	Country	Number	0	2025	5	2027
	No components available.										
Timelines of quarterly reports				Not applicable	Yearly	Country			0		0
	No components available.										

Indicator Title	Component Title	Description	Means of Verification	Category	Cycle	Scope	Value Type	Baseline Value	Baseline Year	Target Value	Target Year
Number of media stories				Other	Yearly	Country	Number	0	2025	3	2027
No components available.											
% of actionable policy recommendations approved for implementation by the government		Outcome Indicator	2027 draft national plan or budget	Investment	At closure	Country	Percentage	0	2025	50	2027
No components available.											

Risks

Event	Category	Level	Likelihood	Impact	Mitigating Measures	Risk Owner
Natural disasters (e.g., hurricanes, floods)	<ul style="list-style-type: none"> Social and Environmental 	High	Likely	Major	Incorporate disaster-resilient infrastructure designs and contingency planning into the project. Establish a rapid response team to handle disruptions.	
Delays in procurement of services or materials	<ul style="list-style-type: none"> Operational 	Medium	Possible	Moderate	The project will mitigate delays in procurement by developing a comprehensive procurement plan and having contingency plans in place.	
Regulatory changes affecting infrastructure projects	<ul style="list-style-type: none"> Regulatory 	Medium	Possible	Moderate	The project will mitigate regulatory changes by staying informed and maintaining flexibility in project design to comply with new regulations.	
Political instability or changes in government	<ul style="list-style-type: none"> Political 	Medium	Unlikely	Major	The project will mitigate political instability by fostering strong relationships across political parties and ensuring project alignment with national priorities.	
Lack of stakeholder engagement or resistance to project initiatives	<ul style="list-style-type: none"> Strategic 	Medium	Possible	Moderate	Develop a comprehensive stakeholder engagement plan, including regular consultations, workshops, and transparent communication channels to build trust and ownership.	

Budget by UNSDG Categories: Over all

Budget Lines	CCCCC (7%) *	Total
1. Staff and other personnel	\$76,800.00	\$76,800.00
2. Supplies, Commodities, Materials	\$20,000.00	\$20,000.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	\$44,000.00	\$44,000.00
4. Contractual services	\$271,200.00	\$271,200.00
5. Travel	\$10,000.00	\$10,000.00
6. Transfers and Grants to Counterparts	\$0.00	\$0.00
7. General Operating and other Direct Costs	\$40,000.00	\$40,000.00
Project Costs Sub Total	\$462,000.00	\$462,000.00
8. Indirect Support Costs	\$32,340.00	\$32,340.00
Total	\$494,340.00	\$494,340.00

Budget by UNSDG Categories: 2025

Budget Lines	Fiscal Year *	Description	CCCCC (7%) *	Total
1. Staff and other personnel	2025		\$15,360.00	\$15,360.00
2. Supplies, Commodities, Materials	2025		\$4,000.00	\$4,000.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2025		\$8,800.00	\$8,800.00
4. Contractual services	2025		\$55,040.00	\$55,040.00
5. Travel	2025		\$2,000.00	\$2,000.00
6. Transfers and Grants to Counterparts	2025		\$0.00	\$0.00
7. General Operating and other Direct Costs	2025		\$8,000.00	\$8,000.00
Project Costs Sub Total			\$93,200.00	\$93,200.00
8. Indirect Support Costs			\$6,524.00	\$6,524.00
Total			\$99,724.00	\$99,724.00

Budget by UNSDG Categories: 2026

Budget Lines	Fiscal Year *	Description	CCCCC (7%) *	Total
1. Staff and other personnel	2026		\$38,400.00	\$38,400.00
2. Supplies, Commodities, Materials	2026		\$10,000.00	\$10,000.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2026		\$22,000.00	\$22,000.00
4. Contractual services	2026		\$133,600.00	\$133,600.00
5. Travel	2026		\$5,000.00	\$5,000.00
6. Transfers and Grants to Counterparts	2026		\$0.00	\$0.00
7. General Operating and other Direct Costs	2026		\$20,000.00	\$20,000.00

Budget Lines	Fiscal Year *	Description	CCCCC (7%) *	Total
Project Costs Sub Total			\$229,000.00	\$229,000.00
8. Indirect Support Costs			\$16,030.00	\$16,030.00
Total			\$245,030.00	\$245,030.00

Budget by UNSDG Categories: 2027

Budget Lines	Fiscal Year *	Description	CCCCC (7%) *	Total
1. Staff and other personnel	2027		\$23,040.00	\$23,040.00
2. Supplies, Commodities, Materials	2027		\$6,000.00	\$6,000.00
3. Equipment, Vehicles, and Furniture, incl. Depreciation	2027		\$13,200.00	\$13,200.00
4. Contractual services	2027		\$82,560.00	\$82,560.00
5. Travel	2027		\$3,000.00	\$3,000.00
6. Transfers and Grants to Counterparts	2027			\$0.00
7. General Operating and other Direct Costs	2027		\$12,000.00	\$12,000.00
Project Costs Sub Total			\$139,800.00	\$139,800.00
8. Indirect Support Costs			\$9,786.00	\$9,786.00
Total			\$149,586.00	\$149,586.00

Performance-based Tranches Breakdown

Tranche			Total
Tranche 1	CCCCC (60%)	\$296,604.00	\$296,604.00
Tranche 2	CCCCC (30%)	\$148,302.00	\$148,302.00
Tranche 3	CCCCC (10%)	\$49,434.00	\$49,434.00
			\$494,340.00

Results based budget

Outcome *	Output *	Activity *	Agency *	Budget (USD) *
Strengthened resilience of utility infrastructure in St. Kitts and Nevis.			Sub Total	\$494,340.00
	Utility Resilience and Vulnerability Profile Updated.		Sub Total	\$315,720.00
		Undertake a comprehensive assessment to gather and standardize spatial data on existing infrastructure assets, covering water, energy, and telecommunications sectors.	CCCCC (7%)	\$195,720.00
		Perform a combined analysis of both physical and social vulnerabilities to climate risks and other hazards.	CCCCC (7%)	\$80,000.00
		Develop a comprehensive Asset Inventory and Vulnerability Atlas that catalogues all utility infrastructure assets and maps their vulnerabilities to various risks, enabling informed decision-making and strategic planning for resilience enhancement.	CCCCC (7%)	\$40,000.00
	Enhanced Utility Coordination.		Sub Total	\$60,000.00
		Conduct a Comprehensive Policy Review and Develop Recommendations	CCCCC (7%)	\$30,000.00
		Develop and Implement a Unified Utility Coordination Framework	CCCCC (7%)	\$30,000.00

	Project Management	Sub Total	\$72,620.00
	Project Management Team	CCCCC (7%)	\$32,000.00
	Indirect Cost (7%)	CCCCC (7%)	\$32,620.00
	Audit	CCCCC (7%)	\$8,000.00
	Project Proposal Developed	Sub Total	\$46,000.00
	A comprehensive project proposal is developed, utilizing vulnerability data from Output 1.	CCCCC (7%)	\$23,000.00
	A financing strategy is developed based on a cost-benefit analysis to estimate project feasibility and sustainability, as well as an implementation roadmap	CCCCC (7%)	\$23,000.00
Total			\$494,340.00

Programme Outcome Costs

Outcome	Output	Activity	Implementing Agent	Time Frame								
				2025			2026			2027		
				2	3	4	1	2	3	4	1	2
Strengthened resilience of utility infrastructure in St. Kitts and Nevis.												
		Utility Resilience and Vulnerability Profile Updated.										
		Undertake a comprehensive assessment to gather and standardize spatial data on existing infrastructure assets, covering water, energy, and telecommunications sectors.										
			CCCCC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Perform a combined analysis of both physical and social vulnerabilities to climate risks and other hazards.										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Develop a comprehensive Asset Inventory and Vulnerability Atlas that catalogues all utility infrastructure assets and maps their vulnerabilities to various risks, enabling informed decision-making and strategic planning for resilience enhancement.										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Enhanced Utility Coordination.										
		Conduct a Comprehensive Policy Review and Develop Recommendations										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Develop and Implement a Unified Utility Coordination Framework										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		Project Management										
		Project Management Team										
			CCCCC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Indirect Cost (7%)										
			CCCCC	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		Audit										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Project Proposal Developed										
		A comprehensive project proposal is developed, utilizing vulnerability data from Output 1.										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
		A financing strategy is developed based on a cost-benefit analysis to estimate project feasibility and sustainability, as well as an implementation roadmap										
			CCCCC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>