

Subapplicant information

Name of federal agency **FEMA**
 Type of submission **Application**

COUNTY MANAGER'S OFFICE

550 NORTH CHESTNUT ST
 LUMBERTON, NC 28358 United States

State	DUNS #	EIN #
NC	082367871	566000335

Subapplicant type **Local Government**
 Is the subapplicant subject to review by Executive Order 12372 Process? **No - Not selected**
 Is the subapplicant delinquent on any federal debt? **No**

Contact information

Subrecipient Authorized Representative (SAR)

Randi Dagenhart	Primary phone	Mailing address
randi.dagenhart@lrcog.org	9107759750 Work	

Point(s) of contact

Randi Dagenhart	Primary phone	Additional phones	Mailing address
Regional Planner randi.dagenhart@lrcog.org	9107759750 Work Fax	9109298153 Mobile	30 Cj Walker Dr. Pembroke NC 28372
Myron Neville	Primary phone	Additional phones	Mailing address
Public Utilities Director myron.neville@co.roberson.nc.us	9106713488 Work Fax	9107759750 Mobile	330 Sanchez Dr. Lumberton NC 28358
W. David Richardson	Primary phone	Additional phones	Mailing address
Executive Director david.richardson@lrcog.org	9107759752 Work Fax	9107759750 Work	30 Cj Walker Dr. Pembroke NC 28372

Community

Please provide the following information. If the Congressional district number for your community does not display correctly, please contact your State NFIP coordinator.

Add Communities

Please find the community(ies) that will benefit from this mitigation activity by clicking on the Find communities button. If needed, modify the Congressional District number for each community by entering the updated number under the U.S. Congressional District column for that community. When finished, click the Continue button. NOTE: You should also notify your State NFIP coordinator so that the updated U.S. Congressional District number can be updated in the Community Information System (CIS) database.

Community name	County code	CID number	CRS community	CRS rating	U.S. Congressional District
LUMBER BRIDGE, TOWN OF	155	370459	N		7
MAXTON, TOWN OF	155,165	370587	N		
PARKTON, TOWN OF	155	370454	N		7
PEMBROKE, TOWN OF	155	370597	N		
RED SPRINGS, TOWN OF	155	370204	N		2,7
ROBESON COUNTY *	155	370202	N		1,7
SAINT FAULS, TOWN OF	155	370608	N		

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Robeson County NC Map.jpg	11/01/2022	randi.dagenhart@lrcog.org	Community Attachments	Map of Robeson County, NC	
CMRA Map.png	12/30/2022	randi.dagenhart@lrcog.org	Community Attachments	Climate Mapping for Resilience and Adaptation	
SVI MAP.png	11/18/2022	randi.dagenhart@lrcog.org	Community Attachments	CDC Social Vulnerability Index Map	
BRIC2022-Robeson-TechnicalScoringSupport.pdf	01/12/2023	randi.dagenhart@lrcog.org	Community Attachments	Technical Scoring Support attachment includes information regarding previous qualifying federal awards, Building Code Effectiveness Grading, Disadvantaged Community Designation and more.	

Mitigation plan

Please provide your plan information below.

Is the entity that will benefit from the proposed activity covered by the current FEMA approved multi-hazard mitigation plan in compliance with 44 CFR Part 201? **Yes**

Please provide plan detail

Plan name	Plan type	Plan approval date
Bladen, Columbus, Robeson Regional Hazard Mitigation Plan	Local Multijurisdictional Multi-Hazard Mitigation Plan	08/03/2020
Proposed activity description		

Please provide any additional comments below (optional).

Robeson County has developed and effectively implemented a Regional Hazard Mitigation Plan, in conjunction with Bladen and Columbus Counties. The plan includes detailed information regarding the implications of climate change on the county, weather related trends, and the county's response to and plans for mitigation future disaster impacts. The plan is attached below. The plan was adopted on August 3, 2020.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
BCR_Full_Plan_2020-06-12-Hazard_Mitigation.pdf	11/15/2022	randi.dagenhart@lrcog.org	Mitigation Plan Attachments	Bladen, Columbus, Robeson Regional Hazard Mitigation Plan	

Scope of work

The project Scope of Work (SOW) identifies the eligible activity, describes what will be accomplished and explains how the mitigation activity will be implemented. The mitigation activity must be described in sufficient detail to verify the cost estimate. All activities for which funding is requested must be identified in the SOW prior to the close of the application period. FEMA has different requirements for project, planning and management cost SOWs.

Subapplication title (include type of activity and location)

Robeson County- Resilient Power Project

Activities

Primary activity type

Generator

Primary sub-activity type

Permanent

Primary sub-activity type

Permanent

Secondary activity type (Optional)

Geographic areas description

Robeson County is primarily comprised of rural land used for agricultural purposes including the development of crops and livestock. Robeson County is the largest land area county in North Carolina with a total of 949 square miles. The County is divided by Interstate 95, a popular and integral interstate that connects northern and southern United States. This highway parallels the east coast of the United States, connecting Florida and to the southern border, Crossing between Maine and the Canadian province of New Brunswick. Interstate 73 /74 also divides the County, intersecting with Interstate 95 near the locations of this project. Interstate 73/74, when completed, will connect Michigan and all states in-between with the beaches of both North and South Carolina. This route will also provide an evacuation route for the beach areas of both states during future storm events. Robeson County is home to the Lumbee Tribe, the largest Native American tribe in North Carolina, the largest tribe east of the Mississippi River, and the ninth largest in the nation. When Hurricane Matthew devastated the county with 18 inches of heavy rain into the already flooded Lumber River, the County was split into two geographic regions, the area north-east of the river and the area south-west of the river.

Community lifelines

Primary community lifeline

Food, water, shelter

Primary sub-community lifeline

Water

Secondary community lifeline (optional)

Health and medical

Secondary sub-community lifeline

Public health

Tertiary community lifeline (optional)

Safety and security

Tertiary sub-community lifeline

Community safety

Hazard sources

Primary hazard source

Infrastructure failure

Secondary hazard source (optional)

Severe storm

Tertiary hazard source (optional)

Flooding

Is this a phased project?

No

Are you doing construction in this project?

No

Percentage of population impacted

56

Provide detailed description of population impacted

Robeson County possesses many vulnerable communities with various needs, with water being the most crucial one. With over 27% of Robesonians living in poverty and 27% of households in Robeson County being cost-burdened, having a safe, continuous water source is vital to those already undergoing housing and poverty obstacles, as they are most vulnerable to natural disasters. Over 10,000 residents within the Towns of Pembroke, Maxton, Parkton, St. Pauls, and Red Springs are directly affected by water loss in times of disaster. These areas rely on the Maxton and Lumber Bridge water treatment plants as an emergency connection. Providing continuity of power operations is critical to mitigate water loss for these communities which possess a poverty rate of approximately 12% to 42%. Specifically, reliable water access is critical for those located at the University of North Carolina at Pembroke. Serving a crucial area of the institution, including a number of residence halls, University Student Health Services, and various educational buildings in times of emergency, is the Maxton Water Treatment Plant. Without redundant power to the plant, students, staff, and faculty are left without an emergency water supply. This disruption of water services jeopardizes the lives of the university's community, especially those who shelter in place. Additionally, one of the most culturally significant structures that functions with an emergency water connection to the Maxton Water Treatment Plant is the Lumbee Tribal Administrative Building. It is central to the Lumbee Tribe of North Carolina, offering multiple services to tribe members. With the Lumbee Tribe of North Carolina being an underprivileged and underrepresented population, water accessibility to the Tribal Administrative Building is vital to their maintained operations during times of crisis. The Robeson County Resilient Power Resources Project has a community-wide impact. By supplying a critical auxiliary power source to drinking water treatment infrastructure that services the majority of the county's residents, including the most vulnerable and rural populations, this project directly serves some of the county's most disadvantaged residents. According to the Robeson County 2021 Local Water Supply Plan, the service population of the Robeson County Water Systems includes 26,000 metered connections serving approximately 70,000 persons outside of the boundaries of municipalities which may have their own water source and distribution networks. These 70,000 persons served represents 56% of the county's 2020 population. Robeson County's water treatment plants in Maxton and Lumber Bridge are the water plants with the highest demand. Please see the POPULATION IMPACTED attachment for additional information and supporting documentation for the project's scope of work and implementation plan.

Provide a clear and detailed description of your proposed activity

The Resilient Power Project will entail the acquisition of generators for both the Maxton and Lumber Bridge water treatment plants and will result in maintained power at these key locations. These water treatment plants are stand-alone filter plants that are served by a network of designated wells. They are water source, treatment and distribution networks. The county will install nine generators for the Lumber Bridge system and eight generators for the Maxton location and their connected infrastructure. Please see the IMPLEMENTATION MEASURES attachment for additional information and supporting documentation for the description of the proposed activity.

How will the mitigation activity be implemented?

The project implementation entails procurement, planning, and outreach strategies, including coordination with partners and stakeholders. The implementation of the Robeson County Resilient Power Project involves the installation of generators at the Maxton and Lumber Bridge water treatment plants to mitigate danger to public health of residents during crisis conditions. Similarly, having a reliable power source for these two plants alleviates additional safety hazards experienced by various implementation parties including Lumbee River Electric Membership Corporation and Duke Energy. The cost and schedule will be expertly managed by the Public Utilities team to ensure successful, on time, and on budget implementation of this project. Costs for the primary project components have been determined based on experience with similar projects, information provided by partners, and discussions with manufacturers. The project costs consider adjustments for recent price fluctuations driven by COVID-19, inflation, and market delays. Please see the IMPLEMENTATION MEASURES attachment for additional information and supporting documentation for how the mitigation activity will be implemented.

Describe how the project is technically feasible and will be effective in reducing the risk by reducing or eliminating damage to property and/or loss of life in the project area. Please include engineering design parameters and references to the following: preliminary schematic or engineering drawings/design; applicable building codes; engineering practices and/or best practices; level of protection (e.g., life safety, 100-yr flood protection with freeboard, 100-yr wind design, etc.):

As described within the Risk Reduction and Resilience Effectiveness Attachment within the Scope of Work Section, the Resilient Power Project is essential in order to prevent a loss of water within the county. During hurricanes and other severe weather, power lines become ensnared in fallen trees and other debris, leading to elimination of power at the plants and water system pressure. Specifically, when the Maxton and Lumber Bridge water treatment plants lose power, a loss of system pressure and subsequently the loss of water service is an acute hazard. Additionally, the lack of flow in the distribution pipes increases the chance for back siphoning and introduction of bacteria into the system which would lead to contamination and public health hazards. However, by implementing the Resilient Power Project, these risks will be eliminated. The generators will also mitigate the need for deployment of a restorative crew during natural disasters and will prevent water loss to emergency services and personnel assisting during crises. More specifically attached within the FEMA GO application in the Project Location Section, schematic drawings of the Maxton and Lumber Bridge generator locations, voltage, and fuel types are included. Within the preliminary benefit cost analysis attached within the cost and effectiveness section, more details are also provided on the project's history, costs, service population, and level of protection. Please see the IMPLEMENTATION MEASURES, RISK REDUCTION & RESILIENCE EFFECTIVENESS, and TECHNICAL FEASIBILITY SUPPORT attachments for additional information and supporting documentation.

Who will manage and complete the mitigation activity?

The Robeson County Public Utilities Department in partnership with Lumbee River Electric Membership Corporation (EMC), and Duke Energy will manage and complete the mitigation activity. Please see the IMPLEMENTATION MEASURES attachment for additional information and supporting documentation.

Will the project address the hazards identified and what risks will remain from all hazards after project implementation (residual risk)?

The hazard addressed by the Resilient Power Project is loss of continuous power at critical water treatment facilities. The presence of a redundant power supply will promote resilience and guarantee accessibility to clean water for approximately 70,000 persons. Although this risk is addressed by the project, a residual risk that remains within Robeson County is the unpredictability of flooding within the region. With the worsening condition of climate change impacts and the increasing occurrence of heavy precipitation events, flooding has become more frequent in Robeson County as a result of the rising of the Lumber River and the low-lying geography. As discussed within the Climate Change and Future Conditions Attachment in the Evaluation section of the BRIC application, the Lumber River has crested just above 20.4 feet—the third time since 2016 it has crested above 19 feet. At this level the National Oceanic and Atmospheric Administration (NOAA) considers this a “major flood stage.” With the majority of the county positioned close to the river, Robeson County's already disadvantaged economy and community members have been disproportionately impacted by flood risk and the implications of climate change on the river, county, and region. Loss of housing and employment is common during times of disaster, and by mitigating the risk of water loss due to maintained power at critical water treatment locations, management of the repercussions of flooding becomes more feasible. Please see the RISK REDUCTION & RESILIENCE EFFECTIVENESS attachment for additional information and supporting documentation regarding hazards after project implementation.

Does the mitigation activity incorporate nature-based solutions?

Yes

When will the mitigation activity take place?

Estimated Start Date: 05/01/2023 Estimated End Date: 12/01/2025

Explain why this project is the best alternative. What alternatives were considered to address the risk and why was the proposed activity considered the best alternative?

The Resilient Power Project provides the best alternative solution and mitigation of power loss at critical water treatment infrastructure located in Maxton and Lumber Bridge, NC and impacting approximately 2/3 of the county. Alternatives that were considered include the burial of power lines to prevent damage associated with severe storms including tree falls, heavy wind, and lighting strikes. However, following the assessment of the costs and work associated with the burial of these lines in the county's most rural areas, it was determined that this alternative is both impractical and costly. With a large portion of the county's land being agricultural, culturally significant, and/or underdeveloped, the ground disturbance and intensive work associated with the burial of power lines was not a fitting response to the issue. The proposed activity of acquiring and installing generators at water treatment plants and connected infrastructure is the best alternative because it is more timely, feasible, and cost effective than other options. Please see the RISK REDUCTION & RESILIENCE EFFECTIVENESS attachment for additional information and supporting documentation regarding the considerations of the proposed activity as the best alternative.

Please identify the entity that will perform any long-term maintenance and provide a maintenance, schedule and cost information. The subapplicant or owner of the area to be mitigated is responsible for maintenance (including costs of long-term care) after the project is completed?

The Robeson County Public Utilities Department in partnership with the Lumbee River Electric Membership Corporation and Duke Energy, will perform long-term maintenance on the generators at the Maxton and Lumber Bridge Water Treatment Plants and connected infrastructure. Robeson County currently performs bi-monthly maintenance on existing generators at other water treatment plant and well locations and will continue to do so on newly installed generators. Additionally, power companies have extensive experience and teams required to service these generators. Please see the RISK REDUCTION & RESILIENCE EFFECTIVENESS attachment for additional information and supporting documentation regarding maintenance responsibilities.

Additional comments (optional)

Please see the COMMUNITY ENGAGEMENT AND OUTREACH attachment for additional information and supporting documentation regarding outreach activities associated with the project.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Comprehensive Plan Adopted 6 6 2022_compressed.pdf	11/18/2022	randi.dagenhart@lrcog.org	Scope of Work Attachments	Robeson County Comprehensive Land Use Plan (2022)	
BCR_Full_Plan_2020-06-12-Hazard_Mitigation.pdf	11/18/2022	randi.dagenhart@lrcog.org	Scope of Work Attachments	Robeson County Regional Hazard Mitigation Plan (2020)	
Final Implementation Measures-BRIC2022.pdf	12/30/2022	randi.dagenhart@lrcog.org	Scope of Work Attachments	The attached document, "Implementation Measures", contains a detailed description of the technical plans for this project. This includes a comprehensive table of the well site numbers, locations, and wattage.	
Final Population Impacted-BRIC2022.pdf	12/30/2022	randi.dagenhart@lrcog.org	Scope of Work Attachments	The attached document "Population Impacted" details the ways in which the Robeson County Resilient Power Project recognizes and mitigates disproportionate and adverse effects on vulnerable communities.	
Final Risk Reduction & Resilience Effectiveness-BRIC2022.pdf	12/30/2022	randi.dagenhart@lrcog.org	Scope of Work Attachments	The attached document, "Risk Reduction and Resilience", details the various risks that are present within Robeson County associated with water access and power dependency during	

Filename	Date uploaded	Uploaded by	Label	Description	Action
				times of disaster. Information regarding the safety of power company crews and additional hazards is also outlined.	
Community Engagement and Outreach Activities-BRIC2022.pdf	01/12/2023	randi.dagenhart@lrcog.org	Scope of Work Attachments	The attached document, "Community Engagement and Outreach", expresses Robeson County's efforts to engage with the public and implement existing hazard mitigation plans to further support public health and safety. It also details future survey plans to effectively reach and gather feedback from rural and vulnerable residents.	
BRIC2022-Robeson- Technical Feasibility Support.pdf	01/12/2023	randi.dagenhart@lrcog.org	Scope of Work Attachments	Technical Feasibility Support attachment includes information regarding the proposed project timeline, prior studies, hazard documentation, and more.	

Schedule

Specify the work schedule for the mitigation activities.

Add tasks to the schedule

Please include all tasks necessary to implement this mitigation activity; include descriptions and estimated time frames.

Task Name State Grant Contracting	Start Month 05	Task Duration (in Months) 2 months	Task Description Anticipated State Grant Contracting Time Allocation
Task Name Engineering Work	Start Month 07	Task Duration (in Months) 4 months	Task Description Site plans required by manufacturers prior to acquisition
Task Name Acquisition of Generators	Start Month 11	Task Duration (in Months) 12 months	Task Description Acquisition of 17 generators for the Maxton and Lumber Bridge Water Treatment Plants and their connected well pump sites.
Task Name Installation of Generators	Start Month 12	Task Duration (in Months) 12 months	Task Description Installation of 17 generators at the Maxton and Lumber Bridge Water Treatment Plants and their connected well pump sites.

Estimate the total duration of your proposed activities (in months). **31**

Proposed project start and end dates

Start Date **2023-05-01**

End Date

2025-12-01

Introduction

Project location

Provide a detailed description of the proposed project's location.

The latitude and longitude of the Maxton Water Treatment Plant is included below. The latitude and longitude of the Lumber Bridge Water Treatment Plant are 34.877820 and -79.089385.

Latitude

34.776389

Longitude

-079.330265

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Maxton Emergency Generator Additions - Preliminary Schematic Designs.pdf	11/15/2022	randi.dagenhart@lrcog.org	Project Location Attachments	Schematic drawing and location information of the Maxton Water Treatment Plant and connected infrastructure.	
Lumber Bridge Emergency Generator Additions - Preliminary Schematic Designs.pdf	11/15/2022	randi.dagenhart@lrcog.org	Project Location Attachments	Schematic drawing and location information of the Lumber Bridge Water Treatment Plant and connected infrastructure.	

Project benefiting area

Provide a detailed description of the proposed project's benefiting area.

Robeson County has been designated as an Economically Distressed Rural Community and has a CDC Social Vulnerability Index score of 0.99. Based on the 2020 Census data, the population of Robeson County is 116,530 persons. According to the North Carolina Department of Commerce NC Development Tier Designations Report from November 2021, Robeson County is defined as a Tier 1 economic county. The county is the second most economically distressed within the State of North Carolina and has the lowest median household income in the state at \$35,407. Robeson County is home to many vulnerable communities of varying needs, with water being one of the most imperative. With over 26% of Robesonians living in poverty and 27% of households in Robeson County being cost-burdened, having a safe, reliable water source is essential to those experiencing housing and poverty obstacles, as they are most affected by natural disasters.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Maxton Demographic Profile.pdf	01/04/2023	randi.dagenhart@lrcog.org	Location project benefiting area Attachments	ESRI Infographic Containing Demographic Information for Maxton, NC	
Lumber Bridge Demographic Profile.pdf	01/04/2023	randi.dagenhart@lrcog.org	Location project benefiting area Attachments	ESRI Infographic Containing Demographic Information for Lumber Bridge, NC	

Project impact area

Provide a detailed description of the proposed project's impact area.

Over 10,000 residents within the Towns of Maxton, Pembroke, Red Springs, St. Paul's, and Parkton are directly affected by water loss in times of natural disaster. These communities rely on the Lumber Bridge and Maxton water treatment plants as emergency connections. Providing access to reliable alternative power is critical to these communities which possess poverty rates ranging from 12% to 42%. Specifically, reliable water access is vital for those located at the University of North Carolina at Pembroke. The Maxton Water Treatment Plant services a crucial area of the institution, including a number of residence halls, University Student Health Services, and various educational buildings in times of emergency. Without reliable power to the plant, students, staff, and faculty are left without an emergency water supply. This disruption of water services endangers the lives of the university's community, especially those who shelter in place.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
2020 Robeson County Census Redistricting Data.pdf	01/04/2023	randi.dagenhart@lrcog.org	Location project impact area Attachments	ESRI Infographic Containing Race, Age, Population, and Housing Data for Robeson County, NC (2020)	
2023 Robeson County Demographic Profile.pdf	01/04/2023	randi.dagenhart@lrcog.org	Location project impact area Attachments	ESRI Infographic Containing Education, Income, and Employment Data for Robeson County, NC (2023)	

Project site inventory

Does this project subapplication propose to mitigate a property/structure(s)? (**Yes**
 Examples: residential home, commercial building, bridge, fire station, levee, pumping station, wastewater treatment plant, telephone pole, electric line, etc.)

Please describe how the propert(ies) will be selected upon subgrant approval. (Example: Saferoom Lottery Project, Fix the Bricks Project)

Please [download the excel template](#), and then fill out the template with building or infrastructure data.

Enter the location of the property/structure.

List of location(s) (2 locations)

Status	Location ID	Address	Inventory type	Structure type	Mitigation action
✓	49210	265 McGirt Rd , Maxton, NC, Robeson,	Infrastructure/Utility/other	Water (potable)	Generator
✓	49211	18320 NC-71 , Lumber Bridge, NC, Robeson,	Infrastructure/Utility/other	Water (potable)	Generator

Budget

Budget cost estimate and management cost (optional) should directly link to your scope of work and work schedule. You must add at least one item(s) greater than \$0 for your cost estimate. Once you have added item(s) for your cost estimate, you may then add the item(s) for management cost (optional). As necessary, please adjust your federal/non-federal cost shares and add the non-federal funding source(s) you are planning to use this project. Once you have completed this section, please click the Continue button at the bottom of this page to navigate to the next section.

Add budget cost types and item(s)

Click the Add cost type button below to add cost type cost estimate and then click the Add item(s) button to add the item(s) for the cost estimate. After adding items to your cost estimate, you may then select Add cost type button again to add management costs (optional) and applicable items.

Grand total: \$3,013,500.00

Budget type: Non construction

▶ Cost type: Cost estimate	\$2,870,000.00
▶ Cost type: Management cost	\$143,500.00

Program income (optional)

Cost share

Cost share or matching means the portion of project costs not paid by federal funds.

Proposed federal vs. non-federal funding shares

Hazard mitigation assistance (HMA) funds may be used to pay up to 75% federal share of the eligible activity costs. Building Resilient Infrastructure and Communities (BRIC) and small impoverished communities may be eligible for up to 90% federal share. Flood Mitigation Assistance (FMA) and severe repetitive loss (SRL) properties may be eligible for up to 100% federal share. Repetitive loss (RL) properties may be eligible for up to 90% federal share.

Is this an Economically Disadvantaged Rural Community? ⓘ This determines your federal/non-federal share ratio. No		<small>% Percentage</small>	<small>\$ Dollar amount</small>
	Proposed federal share	71.43	2152500.00
	Proposed non-federal share	28.57	861000.00
		<small>Based on total budget cost:</small>	
		\$3,013,500.00	

Non-federal funding sources here

That portion of the total costs of the program provided by the non-federal entity in the form of in-kind donations or cash match received from third parties or contributed by the agency. In-kind contributions must be provided and cash expended during the project period along with federal funds to satisfy the matching requirements.

Funding source	Funding amount	% Non-federal share by source
▶ Funding source: Local Funds	100.00%	\$861,000.00

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Fund Commitment Letter.pdf	12/19/2022	randi.dagenhart@lrcog.org	Budget Attachments	Robeson County local match funding commitment letter.	

Cost-effectiveness

How was cost-effectiveness determined for this project?

- BCA completed in FEMA's BCA toolkit
Subapplicant must attach supporting documentation.
- Pre-calculated benefits
- Substantial damage in special flood hazard area
- Other BCA methodology approved by FEMA in writing
- Not applicable

Not applicable

What are the total project benefits? (\$) **44670229.00**

What are the total project cost? (\$) **3113504.00**

What is the benefit-cost ratio (BCR) for the entire project? **14.34**

Was sea level rise incorporated into the flood elevations in the BCA? **Yes**

Were environmental benefits added to the project benefits? **Yes**

Were social benefits added to the project benefits? **Yes**

Please provide any additional comments below (optional).

Benefit Cost Analysis Narrative is attached in the Cost-effectiveness section. This document contains narrative regarding the BCA methodology and other analyses of the benefits and costs. "The Census Tract that includes the project area has a Centers for Disease Control and Prevention (CDC) Social Vulnerability Index (SVI) rating among the highest in the nation: 0.99 offering the BCA waiver and further assistance from FEMA in addressing any issues found with the BCA in the NTR review"

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
BCA Toolkit - Robeson County WTPs (4).xlsx	11/18/2022	randi.dagenhart@lrcog.org	Cost Effectiveness Attachments	FEMA BCA Toolkit	
BCA Methodoloy-Robeson County WTPs.pdf	12/30/2022	randi.dagenhart@lrcog.org	Cost Effectiveness Attachments	Benefit Cost Analysis Methodology and Information	

Environmental/Historic Preservation (EHP) Review Information

Introduction

An environmental/historic preservation review is required for all activities for which FEMA funds are being requested. FEMA will complete this review with the assistance of both the state or tribal government and the local applicant. It is important that you provide accurate information. If you are having problems completing this section, please contact your application point of contact.

A. National Historic Preservation Act - Historic Buildings and Structures

1. Does your project affect or is it in close proximity to any buildings or structures 50 years or more in age? **No**

Please confirm that you have provided the information listed below by selecting each check box. (If you have not provided these documents in any other section of the application, please attach the required documents below.)

- The property address and original date of construction for each property affected (unless this information is already noted in the Properties section).
- A minimum of two color photographs showing at least three sides of each structure (Please label the photos accordingly).
- A diagram or USGS 1:24,000 scale quadrangle map displaying the relationship of the property (s) to the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

- Information gathered about potential historic properties in the project area, including any evidence indicating the age of the building or structure and presence of buildings or structures that are listed or eligible for listing on the National Register of Historic Places or within or near a National Register listed or eligible historic district. Sources for this information may include the State Historic Preservation Officer, and/or the Tribal Historic Preservation Officer (SHPO/THPO), your local planning office, historic preservation organization, or historical society.
- Consideration of how the project design will minimize adverse effects on known or potential historic buildings or structures, and any alternatives considered or implemented to avoid or minimize effects on historic buildings or structures. Please address and note associated costs in your project budget.
- For acquisition/demolition projects affecting historic buildings or structures, any data regarding the consideration and feasibility of elevation, relocation, or flood proofing as alternatives to demolition.
- Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Please provide an explanation and any information about this project that could assist FEMA in its review.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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B. National Historic Preservation Act - Archeological Resources

Does your project involve disturbance of ground? **No**

Please confirm that you have provided the information listed below by selecting each check box. (If you have not provided these documents in any other section of the application, please attach the required documents below.)

- A description of the ground disturbance by giving the dimensions (area, volume, depth, etc.) and location.
- The past use of the area to be disturbed, noting the extent of previously disturbed ground.
- A USGS 1:24,000 scale or other site map showing the location and extent of ground disturbance.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

- Any information about potential historic properties, including archeological sites, in the project area. Sources of this information may include SHPO/THPO, and/or the Tribe's cultural resources contact if no THPO is designated. Include, if possible, a map showing the relation of any identified historic properties to the project area.
- Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Please provide an explanation and any information about this project that could assist FEMA in its review.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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C. Endangered Species Act and Fish and Wildlife Coordination Act

1. Are federally listed threatened or endangered species or their critical habitat present in the area affected by the project? **No**

Please confirm that you have provided the information listed below by selecting each check box. (If you have not provided these documents in any other section of the application, please provide the required documents either through attachment and/or comment box below.)

- Information you obtained to identify species in or near the project area. Provide the source and date of the information cited.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

- Any request for information and associated response from the USFWS, the National Marine Fisheries Service (NMFS) (for affected ocean-going fish), or your State Wildlife Agency, regarding potential listed species present and potential of the project to impact those species.
- Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Please provide an explanation and any information about this project that could assist FEMA in its review.

2. Does your project remove or affect vegetation? **No**

Please confirm that you have provided the information listed below by selecting each check box. (If you have not provided these documents in any other section of the application, please provide the required documents either through attachment and/or comment box below.)

- Description of the amount (area) and type of vegetation to be removed or affected.
- A site map showing the project area and the extent of vegetation affected.

Photographs or digital images that show both the vegetation affected and the vegetation in context of its surroundings.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Please provide an explanation and any information about this project that could assist FEMA in its review.

3. Is your project in, near (within 200 feet), or likely to affect any type of waterway or body of water? **No**

If Yes, and project is not within an existing building, you must confirm that you have provided the following: (If you have not provided these documents in any other section of the application, please attach the required documents below.)

A USGS 1:24,000 scale quadrangle map showing the project activities in relation to all nearby water bodies (within 200 feet).

Any information about the type of water body nearby including: its dimensions, the proximity of the project activity to the water body, and the expected and possible changes to the water body, if any. Identify all water bodies regardless whether you think there may be an effect.

A photograph or digital image of the site showing both the body of water and the project area.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

Evidence of any discussions with the US Fish and Wildlife Service (USFWS), and/or your State Wildlife Agency concerning any potential impacts if there is the potential for the project to affect any water body.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

D. Clean Water Act, Rivers and Harbors Act, and Executive Order 11990 (Protection of Wetlands)

1. Will the project involve dredging or disposal of dredged material, excavation, adding fill material or result in any modification to water bodies or wetlands designated as 'waters of the U.S.' as identified by the US Army Corps of Engineers or on the National Wetland Inventory? **No**

E. Executive Order 11988 (Floodplain Management)

1. Does a Flood Insurance Rate Map (FIRM), Flood Hazard Boundary Map (FHBM), hydrologic study, or some other source indicate that the project is located in or will affect a 1% annual chance floodplain, a 0.2% annual chance floodplain, a regulatory floodway, or an area prone to flooding? **Not known**

Please provide an explanation and any information about this project that could assist FEMA in its review.

Despite the historic flooding experienced during previous hurricanes including hurricanes Matthew and Florence, neither the Maxton nor the Lumber Bridge Water Treatment Plants experienced any flooding.

2. Does the project alter a watercourse, water flow patterns, or a drainage way, regardless of its floodplain designation? **No**

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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F. Coastal Zone Management Act

1. Is the project located in the state's designated coastal zone? **No**

G. Farmland Protection Policy Act

1. Will the project convert more than 5 acres of prime or unique farmland outside city limits to a non-agricultural use? **No**

H. Resource Conservation and Recovery Act (RCRA) and Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (Hazardous and Toxic Materials)

1. Is there a reason to suspect there are contaminants from a current or past use on the property associated with the proposed project? **No**

2. Are there any studies, investigations, or enforcement actions related to the property associated with the proposed project? **No**

3. Does any project construction or operation activities involve the use of hazardous or toxic materials? **Yes**

If Yes, please indicate below any other information you are providing to help FEMA evaluate the impact of the project: (If you have not provided these documents in any other section of the application, please attach the required documents below.)

- Comments and any relevant documentation.
- Results of any consultations with state or local agency to obtain permit with requirements for handling, disposing of or addressing the effects of hazardous or toxic materials related to project implementation.
- Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Although Robeson County preferred to utilize natural gas operated generators there were no options available due to the required size and capacity of the generators for the infrastructure being serviced. Therefore, diesel fuel was necessitated. However, Robeson County is aware of and plans to obtain the necessary permits required by state law for the generators. Furthermore, the County has experience with the maintenance of these generators, employs an individual who performs bi-monthly maintenance on existing generators, and will ensure that no hazards are developed as a result of the use of diesel fuel.

4. Do you know if any of the current or past land-uses of the property affected by the proposed project or of the adjacent properties are associated with hazardous or toxic materials? **No**

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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I. Executive Order 12898, Environmental Justice for Low Income and Minority Populations

1. Are there low income or minority populations in the project's area of effect or adjacent to the project area? **Yes**

If Yes, you must confirm that you have provided the following either in the text box below or by attachment: (If you have not provided these documents in any other section of the application, please attach the required documents or provide the description below.)

- Description of any disproportionate and adverse effects to these populations.

To help FEMA evaluate the impact of the project, please indicate below any other information you are providing. (optional)

- Description of the population affected and the portion of the population that would be disproportionately and adversely affected. Please include specific efforts to address the adverse impacts in your proposal narrative and budget.
- Attached materials or additional comments.

Please provide an explanation and any information about this project that could assist FEMA in its review. (optional)

Please see the attached POPULATION IMPACTED narrative which details the ways in which the Robeson County Resilient Power Project mitigates disproportionate and adverse effects to low income and minority populations.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Population Impacted-Robeson County Resilient Power Resources Project-BRIC2022.pdf	11/18/2022	randi.dagenhart@lrcog.org	lowIncomeMinority.attachmentIds	No description given.	

J. Other Environmental/Historic Preservation Laws or Issues

- 1. Are there other environmental/historic preservation requirements associated with this project that you are aware of? **No**
- 2. Are there controversial issues associated with this project? **No**
- 3. Have you conducted any public meeting or solicited public input or comments on your specific proposed mitigation project? **No**

K. Summary and Cost of Potential Impacts

Having answered the questions in parts A. through J., have you identified any aspects of your proposed project that have the potential to impact environmental resources or historic properties? **Yes**

If Yes, you must confirm that you have provided the following: (If you have not provided these documents in any other section of the application, please attach the required documents below.)

- Evaluated these potential effects and provided the materials required in Parts A through J that identify the nature and extent of potential impacts to environmental resources and/or historic properties.
- Consulted with appropriate parties to identify any measures needed to avoid or minimize these impacts.
- Considered alternatives that could minimize both the impacts and the cost of the project.
- Made certain that the costs of any measures to treat adverse effects are realistically reflected in the project budget estimate.

Please enter your comments below. (optional) : (Please indicate why in the text box below and any information about this project that could assist FEMA in its review).

The only potential environmental impact identified in the project scope of work is the use of diesel fuel in the generators. Despite significant investigation into alternative fuel sources including natural gas, due to the capacity of the generators the only available product is diesel. This finding was made in consultation with engineering firms. Any potential environmental impacts would be minimal and the only associated cost to treat adverse effects are costs of bi-monthly maintenance that Robeson County Public Utilities currently performs and will not need additional funding for.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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Evaluation

- Is the applicant participating in the [Community Rating System \(CRS\)](#)? **No**
- Is the applicant a [Cooperating Technical Partner \(CTP\)](#)? **Yes**
- Was this application generated from a previous FEMA HMA Advance Assistance or Project Scoping award or any other federal grant award, or the subapplicant is a past recipient of Building Resilient Infrastructure and Communities (BRIC) non-financial Direct Technical Assistance? **No**

Has the applicant adopted building codes consistent with the [international codes](#)?

Yes

Year of building code

2018

Please provide the building code.

ICC International Code Council North Carolina State Building Code

Have the applicant's building codes been assessed on the [Building Code Effectiveness Grading Schedule \(BCEGS\)](#)?

Yes

Select rating.

3

Describe involvement of partners to enhance the mitigation activity outcome.

Lumbee River Electric Membership Corporation (EMC): The Lumbee River Electric Membership Corporation (EMC) has submitted a letter in support of the Resilient Power Project that is included within Leveraging Partners Attachment within the Evaluation Section of the BRIC application. Stationed out of Pembroke, NC, Lumbee River EMC is a power service provider to approximately 21,014 members within Robeson County and a variety of locations including the Maxton and Lumber Bridge water treatment plants. When crises arise, Lumbee River EMC produces power restoration services to this critical water infrastructure. Yet, during Hurricane Matthew, a result of the disastrous effects, Lumbee River EMC was obstructed in their service by approximately 5 days to restore power to both water treatment plant locations. With this in mind, Lumbee River EMC provided their support for the Resilient Power Project in efforts to mitigate the endangerment of over 240 crewmen and the impacts of delayed power restoration to these vital water treatment plants. Town of Maxton, Town of Pembroke, Town of Parkton: The Town of Parkton, Town of Pembroke, and Town of Maxton have contributed official letters of support for the Resilient Power Project. These units of local government have been directly influenced by the lack of redundant power to the Maxton and Lumber Bridge Water Treatment Plants and will be engaged in the implementation of this project as they rely on the county's system as an emergency water source. Most notably, the risks associated with power loss at the Maxton and Lumber Bridge water treatment plants include the suspension of water service to the surrounding communities including Maxton, Lumber Bridge, Parkton, St. Pauls, Red Springs, and Pembroke. The representation and support of these local towns reflects the importance of community and partnerships when approaching local resiliency and mitigation efforts. Collaboration with these surrounding jurisdictions has supported the project development by providing Robeson County with a deeper awareness of the needs and risks faced by the local community. **Duke Energy:** Duke Energy has submitted a letter in support of the Resilient Power Project. Locally established out of Aberdeen, NC, Duke Energy has issued their support for the project in efforts to eliminate the endangerment of their crewmen and the impacts of delayed power restoration to these essential water treatment plants. Duke Energy will be directly involved in the technical implementation of the Resilient Power Project by delivering technical aid and oversight of all generators and associated infrastructure prior to, during, and following crisis events. Please see the LEVERAGING PARTNERS attachment for additional information and supporting documentation.

Discuss how anticipated future conditions are addressed by this project.

The growing occurrence of extreme precipitation and flooding events has led to severe soil erosion and sediment deposits in floodplains throughout Robeson County. Due to the soil erosion, trees and their root systems are becoming increasingly weaker and covered with clay. Specifically, old and dying trees are more vulnerable to heavy precipitation due to being less able to absorb rainwater. These trees continue to become more susceptible to falling on exposed power lines and key infrastructure throughout the county. Please see the TECHNICAL SCORING SUPPORT document below. Robeson County's already disadvantaged economy and residents have been disproportionately impacted by flood risk and the implications of climate change on the river, county, and region. As a Cooperating Technical Partner with FEMA, the county is keenly aware of these changing dynamics and continues to prioritize preemptive mitigation efforts and plan for future severe weather conditions caused by climate change. Robeson County can approach future natural disaster events knowing that access to power at the two critical water plants will be maintained. Please see the CLIMATE CHANGE & FUTURE CONDITIONS attachment for additional information and supporting documentation.

Additional comments (optional)

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Final Leveraging Partners-BRIC2022.pdf	12/30/2022	randi.dagenhart@lrcog.org	Evaluation Attachments	The attached document, "Leveraging Partners", provides various Letters of Support from private and public entities that endorse the progression of this project and recognize its impact on their organizations and communities.	
BRIC2022-Robeson-TechnicalScoringSupport.pdf	01/11/2023	kaine.riggan@ncdps.gov	Evaluation Attachments	Technical Scoring Support attachment includes information regarding previous qualifying federal awards, Building Code Effectiveness Grading, Disadvantaged Community Designation and more.	
Final Climate Change and Future Conditions-BRIC2022.pdf	12/30/2022	randi.dagenhart@lrcog.org	Evaluation Attachments	The attached document, "Climate Change and Future Conditions", contains research and data pertaining to the impacts of climate change occurring within the southeastern region of North Carolina where Robeson County is situated. It also details the plans and projects that Robeson County has developed and implemented to mitigate the impacts of these future conditions.	
BRIC2022-Robeson-TechnicalScoringSupport.pdf	01/12/2023	randi.dagenhart@lrcog.org	Evaluation Attachments	Technical Scoring Support attachment includes information regarding previous qualifying federal awards, Building Code Effectiveness Grading, Disadvantaged Community Designation and more.	

Comments & attachments

▶ Community	0 comment, 4 attachments
▶ Mitigation plan	1 comment, 1 attachments
▶ Scope of work	1 comment, 7 attachments
▶ Budget	0 comment, 1 attachments
▶ Cost-effectiveness	1 comment, 2 attachments
▶ Evaluation	0 comment, 4 attachments
▶ Environmental/Historic Preservation (EHP)	0 comment, 1 attachments
▶ Location	0 comment, 6 attachments

Assurances and certifications

SF-424B: Assurances - Non-Construction Programs

OMB Number: 4040-0007

Expiration Date: 02/28/2025

Certain of these assurances may not be applicable to your project or program. If you have any questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee- 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

Certifications regarding lobbying

OMB Number: 4040-0013

Expiration Date: 02/28/2025

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Statement for Loan Guarantees and Loan Insurance

The undersigned states, to the best of his or her knowledge and belief, that:

If any funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this commitment providing for the United States to insure or guarantee a loan, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions. Submission of this statement is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required statement shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.