

Subapplicant information

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

COUNTY OF BURKE

200 AVERY AVE
 MORGANTON, NC 28655 United States

State	DUNS #	EIN #
NC	030515498	566000280

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)

Jessica Whitesides	Primary phone	Mailing address
jessica.whitesides@burkenc.org		

Point(s) of contact

Jessica Whitesides	Primary phone	Additional phones	Mailing address
Sr. Fiscal Analysis jessica.whitesides@burkenc.org	8287649059 ext 9059 Work	8287195071 Mobile	PO Box 219 Morganton NC 28680
	Fax		

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
CONNELLY SPRINGS, TOWN OF	023	370600	N		

Community name	County code	CID number	CRS community	CRS rating	U.S. Congressional District
HICKORY, CITY OF	023,027,035	370054	N		1,10
HILDEBRAN, TOWN OF	023	370519	N		10
RHODHISS, TOWN OF	023,027	370041	N		2,10

Please provide any additional comments below (optional).

Attached are various letters of support from communities surrounding Indian Hills Pump Station and our local county Development organization.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Rhodhiss letter of support.pdf	11/17/2022	jessica.whitesides@burkenc.org	Community Attachments	Rhodhiss - Letter of Support	
Hildebran letter of support Indian Hills Pumpstation BRIC.pdf	11/17/2022	jessica.whitesides@burkenc.org	Community Attachments	Hildebran - Letter of Support	
bric_ltr_cs.pdf	11/17/2022	jessica.whitesides@burkenc.org	Community Attachments	Connelly Springs - Letter of Support	
Community BRIC Grant BDI Letter of Support (003).pdf	11/17/2022	jessica.whitesides@burkenc.org	Community Attachments	BDI - Letter of Support	

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
Unifour Hazard Mitigation Plan	Local Multijurisdictional Multi-Hazard Mitigation Plan	02/18/2020
Proposed activity description		

Please provide any additional comments below (optional).

Mitigation Plan attached.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Unifour HMP Burke Adopted 28 Feb 2020.pdf	12/05/2022	jessica.whitesides@burkenc.org	Mitigation Plan Attachments	Unifour 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)

Indian Hills Sub Station

Activities

Primary activity type

Mitigation reconstruction

Secondary activity type (Optional)

Utility and infrastructure protection

Secondary sub-activity type

Stormwater sewer system

Tertiary activity type (Optional)

Utility and infrastructure protection

Tertiary sub-activity type

Wastewater and/or sanitary sewer system

Geographic areas description

Indian Hills pump station is situation within proximity of Drowning Creek.

Community lifelines

Primary community lifeline

Safety and security

Primary sub-community lifeline

Community safety

Secondary community lifeline (optional)

Communications

Secondary sub-community lifeline

Infrastructure

Tertiary community lifeline (optional)

Hazard sources

Primary hazard source

Flooding

Secondary hazard source (optional)

Infrastructure failure

Tertiary hazard source (optional)

Severe storm

Is this a phased project?

Yes

Are you doing construction in this project?

Yes

Percentage of population impacted

90

Provide detailed description of population impacted

The Indian Hills Sewer Pump Station serves most of the Town of Hildebran, 100% of the Town of Rhodhiss, and portions of the Icard and George Hildebrand communities. These areas include six public schools and a residential rehab/care facility that depend on the pump station for sewer service. The population is broken down as follows: 1. Hildebran: 90% of its population of 1,686 (per NC Office of State Management & Budget, July 1, 2021) = 1,517 2. Rhodhiss: 296 sewer customers x 3.29 persons per household (per the town's 2021 local water supply plan) = 974 3. 100 County residential customers in Icard and George Hildebran x 2.48 (Burke County persons per household per US Census) = 250 4. Carolina Rehab Center has 90 beds = 90 5. George Hildebrand Elem. School students = 294 6. East Burke High School students = 842 7. East Burke Middle School students = 651 8. Hildebran Elem. School students = 354 9. Icard Elem. School students = 278 10. Ray Childers Elem. School students = 438

Provide a clear and detailed description of your proposed activity

A sustainable well-functioning wastewater collection system is crucial to our communities located in the east side of Burke County. The communities that are connected to the Burke County wastewater system include Connolly Springs, Hildebran and Rhodhiss and the unincorporated areas surrounding

How will the mitigation activity 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.):

Who will manage and complete the mitigation activity?

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

Does the mitigation activity incorporate nature-based solutions?

When will the mitigation activity take place?

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?

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?

Additional comments (optional)

Attachments

these towns. A major proportion of the populations in this section of the county are reliant on a stable and functioning County wastewater treatment program. In the long term, these communities are looking to grow and expand their populations and strengthen the tax base. Our local communities and Burke County recognize the importance of environmental protections and also how a healthy environment benefits the enjoyment of both tourists and residents of the county. A major focus of the local economy is the natural beauty and environmental health of Burke County. A safe and sustainable wastewater collection system will protect those environmental resources and maintain water quality and the functioning of the streams that feed Lake Rhodhiss and neighbors downstream.

The project will assure continuous operation of this vital infrastructure located within the 100-year floodplain.

The Indian Hills sewer pump station is subject to frequent stream flooding and experiences excessive peak flows. The flooding has prevented County personnel from properly operating the station, due to access being blocked by flood waters. Excessive peak flows have caused sanitary sewer overflows (SSO's). Therefore, the pump station site and access road need to be raised above flood level (2' above BFE), and the pump station and force main need to be upgraded such that peak flows of up to 2,000 gpm can be handled. Another issue is that increased flood frequency and flood intensity have caused erosion of the streambank adjacent to the pump station (Drowning Creek). This erosion is threatening to undermine the pump station site and infrastructure. The proposed project will upgrade the existing pump station's nominal capacity from 1,000 gpm to 2,000 gpm by adding a third suction lift pump assembly and by upsizing the force main. The existing 10" force main will be replaced with approximately 9,400 linear feet (LF) of 14" force main (the old force main can be kept in place as a backup). In addition, all equipment and maneuvering/access areas will be raised to 2' above BFE (currently, only the pumps and electrical are above BFE). Finally, the eroding streambank of Drowning Creek will be stabilized. The project will assure continuous operation of this vital infrastructure located within the 100-year floodplain.

Alan Giles - Director, Community Development/Deputy County Manager will oversee and manage the project. Mark Delehant, Director, General Services will work closely with West Consultants to curate a plan that his staff will then execute. The General Services staff will also handle the day to day maintenance and issues that arise.

Once the eroding streambank of Drowning Creek is stabilized, there will be less opportunity for flooding to occur, as the bank will act as a barrier again. Additionally, the flood mitigation will free up space for County personnel to have unlimited access to maintenance points and there will be less SSO. The newer pump systems can incorporate reliable SCADA information systems that provide timely information during heavy flood events. The new equipment will reduce the number of SSO events which totaled 5 events in the past 3 years with the current pump station.

No

Mitigation action would begin Spring 2023. Please see the attached Project Schedule for the full anticipated timeline.

To date, there have been few alternatives considered. The mantra has truly been reactive versus proactive. We're at the point where our Commissioners and leadership have realized that the better option is to approach a mitigation plan and to create a strategy that will be initiate proactivity.

Burke County, General Services will be the primary party responsible for long-term care and maintenance. Currently the maintenance schedule is being finalized. However, the draft reads that there will be bi-monthly checks, with quarterly and annual analysis around the cost and time commitments.

The project will result in more modern equipment placed out of the floodway. The improved system will provide future capacity for community growth

Filename	Date uploaded	Uploaded by	Label	Description	Action
IndHillsPS Project Schedule.xlsx	01/05/2023	jessica.whitesides@burkenc.org	Scope of Work Attachments	Project Schedule - West Consultants	

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 Engineering	Start Month 1	Task Duration (in Months) 12 months	Task Description Time to complete the engineering work required for Phase 1. Phase 1 would include our BCA, which is being prepared by West Consultants.
Task Name Execution of Project	Start Month 12	Task Duration (in Months) 24 months	Task Description Time after Engineering is completed to project completion.
Task Name State Grant Contracting	Start Month 1	Task Duration (in Months) 2 months	Task Description NCDPS sub-recipient grant contracting

Estimate the total duration of your proposed activities (in months). **36**

Proposed project start and end dates

Start Date **2023-04-01**
 End Date **2026-02-01**

Introduction

Project location

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

Indian Hills Pump Station is along Drowning Creek, which is adjacent to Indian Hills Circle, Burke, NC 28655. Maps attached.

Latitude **35.736470**

Longitude **-081.421520**

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Burke County - Sewer-Collection System Rehab Contract A-Indian Hills PS Impvts--07037 AS-BUILT.pdf	11/17/2022	jessica.whitesides@burkenc.org	Project Location Attachments	Sewer Collection System Rehab Contract and Map(s)	

Project benefiting area

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

Benefitting areas include Connelly Springs, which is the municipality that that Indian Hills in located. This area is subject to frequent flood and when the runoff has to be transferred out of Connelly Springs, it's taken to Longview. Longview would then be a benefiting area. As they'd not be taking on additional over flow. The municipalities of Rhodhiss and Hildebran would also benefit and have submitted letters of support on our behalf. Those are attached.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
bric_ltr_cs.pdf	11/17/2022	jessica.whitesides@burkenc.org	Location project benefiting area Attachments	Letter of Support from Connelly Springs	
Rhodhiss letter of support.pdf	11/17/2022	jessica.whitesides@burkenc.org	Location project benefiting area Attachments	Letter of Support from Rhodhiss	
Hildebran letter of support Indian Hills Pumpstation BRIC.pdf	11/17/2022	jessica.whitesides@burkenc.org	Location project benefiting area Attachments	Letter of Support from Hildebran	

Project impact area

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

The project would primarily impact the municipality of Connelly Springs, which has been subject to frequent flooding. The frequent flooding as also caused overflow with sewage, thus causing a potential safety hazard. Additionally, for Burke County to be a proactive partner, contributing to the growth of our county, we have to get our systems in place to support our individual municipalities. It's a team effort and Burke County is a vital player, with the Indian Hills pump station being a primary example of where we're focusing our a portion of our overhaul.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Indian Hills - Pump Station p.1.jpg	01/05/2023	jessica.whitesides@burkenc.org	Location project impact area Attachments	Overhead view of Pump Station	
Indian Hills - Pump Station p.2.jpg	01/05/2023	jessica.whitesides@burkenc.org	Location project impact area Attachments	2nd View of Pump Station	

Project site inventory

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

No

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

Budget

Budget cost estimate 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. 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)

First, 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.

Grand total: \$3,360,180.00

Budget type: Construction

▶ Cost type: Cost estimate	\$3,200,180.00
▶ Cost type: Management cost	\$160,000.00

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	Proposed federal share	71.43	2400126.00
	Proposed non-federal share	28.57	960054.00
			Based on total budget cost: \$3,360,180.00

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: County Funds	100.00%	\$960,054.00

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Indian-Hills-PS-BRIC22-Budget.xlsx	01/06/2023	jessica.whitesides@burkenc.org	Budget Attachments	Indian Hills Budget - West Consultants	

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? (\$) **5738350**

What are the total project cost? (\$) **3358825**

What is the benefit-cost ratio (BCR) for the entire project? **1.70**

Was sea level rise incorporated into the flood elevations in the BCA? **No**

Were environmental benefits added to the project benefits? **No**

Were social benefits added to the project benefits? **No**

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Indian-Hills-PS-BCA-Report-complete.pdf	01/06/2023	jessica.whitesides@burkenc.org	Cost Effectiveness Attachments	BCA Report	
notes from BCA.docx	01/06/2023	jessica.whitesides@burkenc.org	Cost Effectiveness Attachments	BCA Methodology Notes	

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? **No**

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

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? **No**

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**

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? **No**

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? **No**

Evaluation

Is the applicant participating in the [Community Rating System \(CRS\)](#)? **No**

Is the applicant a [Cooperating Technical Partner \(CTP\)](#)? **No**

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](#)?

No

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

Yes

Select rating.

4

Describe involvement of partners to enhance the mitigation activity outcome.

City of Hickory has committed to assisting with any long-term runoff issues that may arise. In an attempt to be proactive, we've garnered that relationship. The townships of Connelly Springs, Hildebran and Rhodhiss give us their support as we are committed to doing what we need to to help them execute their currently curated growth plans. Historically Burke County has been extremely reactive. But with the benefit of this BRIC grant, we can begin to adjust our plans and thought processes to encourage more proactive strategies. For a more detailed description of the project, see the attachment below.

Discuss how anticipated future conditions are addressed by this project.

County personnel is in the process of drawing up a multiphase plan that will allow for proactivity within the mitigation plan.

Additional comments (optional)

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
NorthCarolina-StateClimateSummary2022.pdf	01/06/2023	jessica.whitesides@burkenc.org	Evaluation Attachments	Climate Change Summary	
Burke County NC BCEGS SCORE (BRIC Applicant).pdf	01/17/2023	jessica.whitesides@burkenc.org	Evaluation Attachments	NC BCEGS Score	

Comments & attachments

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

Assurances and certifications

OMB Number: 4040-0009, Expiration Date: 02/28/2025 [View burden statement](#)

SF-424D: Assurances - Construction Programs

Content:

OMB Number: 4040-0009
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 costs) 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, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure nondiscrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. 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.
8. 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).
9. 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.
10. 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; (i) 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.
11. 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.
12. Will comply with the 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.
13. 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.
14. Will comply 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.
15. 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 (F.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. 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.
17. 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.).
18. 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."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
20. 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.