

Subapplicant information

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

TOWN OF KENANSVILLE

141 ROUTLEDGE ST
 KENANSVILLE, NC 28349 United States

State	DUNS #	EIN #
NC	781411152	566001255

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)

Gerald James	Primary phone	Mailing address
jjames@kenansville.org		

Point(s) of contact

Gerald James Special Projects Manager	Primary phone 9104474735 Work	Additional phones 9102902890 Mobile	Mailing address 141 Routledge Dr Kenansville NC 28349
jjames@kenansville.org	Fax 9104474024		

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
KENANSVILLE, TOWN OF	061	370399	N		2,3

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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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 Sampson Duplin Regional Hazard Mitigation Plan	Plan type Local Multi-Hazard Mitigation Plan	Plan approval date 04/23/2021
Proposed activity description Hazard Mitigation Plan for Sampson and Duplin County		

Please provide any additional comments below (optional).

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Sampson Duplin Regional HMP 2020-11-24 (final)).pdf	01/22/2023	jjames@kenansville.org	Mitigation Plan Attachments	Sampson Duplin County 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)

Grove Circle Lift Station

Activities

Primary activity type

Elevation

Secondary activity type (Optional)

Utility and infrastructure protection

Secondary sub-activity type

Wastewater and/or sanitary sewer system

Tertiary activity type (Optional)

Geographic areas description

Main Lift station that pumps sewer to the Kenansville WWTP

Community lifelines

Primary community lifeline

Not applicable

Primary sub-community lifeline

Secondary community lifeline (optional)

Hazardous material

Secondary sub-community lifeline

Facilities

Tertiary community lifeline (optional)

Hazard sources

Primary hazard source

Infrastructure failure

Secondary hazard source (optional)

Tertiary hazard source (optional)

Is this a phased project?

Yes

Are you doing construction in this project?

Yes

Percentage of population impacted

100

Provide detailed description of population impacted

Entire population of Kenansville, N.C. As the county seat we have the County Court System. Sheriff Department, County Administration, County EMS, 96 bed hospital (Vidant Duplin). Duplin Jail, James Sprunt Community College, Health Department and social services. The lift station proposed to be raised and upgraded is the main lift station that pumps to the wastewater treatment plant. All other gravity sewer lines and lift stations dump into this lift station. When this lift station is not in operation then none of the wastewater is pumped to the wastewater treatment plant. This will impact everyone in the service area.

Provide a clear and detailed description of your proposed activity

Grove Circle lift station is located in the 100 year flood plain. during times of flooding the lift station is under water. This project consists of raising the lift station above the base flood elevation and upgrade the pumps and electrical components. The electrical panels and generator will be elevated to prevent damage to essential parts and allow the lift station to stay in operation during flooding events. As the main lift station for the Town of Kenansville it is vital that it stays in operation during catastrophic events. The access road will also be raised to allow operators access to the lift station during flooding events.

How will the mitigation activity be implemented?

The project will be implemented by the Town of Kenansville with a traditional design, bid, build approach. The Town will complete final planning and coordination with potential parties and work with the design engineer to complete surveying, incorporate design engineering, permitting, construction, acquisition of equipment and materials. Construction constraints included existing utility conflicts, scheduling, etc. will be addressed by the Town and design engineer. Permits will be obtained from all appropriate local, state, and federal agencies for construction activities. The Town of Kenansville will implement the proposed project by working with their engineer in hiring a qualified construction contractor through a competitive procurement process. The Town's procurement will conform with the FEMA procurement guidelines.

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.):

The proposed mitigation project will reduce the risk by mitigating direct damages and loss of function to the lift station. With the project completed the Town and County along with the hospital personnel will be able to tend to the needs of the Town and County during storm events that created a loss of function in the sewer collection and treatment system. With the EMS and Hospital able to operate they will be able to give life saving procedures to the sick and injured. Additionally, the project will have a positive impact on water quality. Raising the lift station above the 100 year flood elevation will significantly reduce the potential occurrence of sewer overflows, as have happened in the past as a result of flooded facilities.

Who will manage and complete the mitigation activity?

The Town of Kenansville Public Works and Utilities Department will manage the mitigation activities. Kenansville will rely on the Town's contract Engineer (Stroud Engineering, Greenville, N.C. 252-756-9352) for guidance on design and construction management. Stroud Engineering have managed several projects funded by NC Revolving Fund, USDA, CDBG-I, etc., and are familiar with grant management requirements and are responsible stewards of grant funds.

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

After mitigation, Grove Circle Lift Station will be raised above the 100 year flood and upgraded with new equipment. The electrical components and generator will be elevated to ensure that no flooding event will damage the vital components keeping everything in operation. This project will reduce the amount of floodwaters able to enter the collection system reducing treatment of flood water at the plant. This project will also have positive impact on water quality and the environment by reducing the potential sanitary sewer overflows created by flood water. All hazards will be addressed and there should be no residual risk after project completion

Does the mitigation activity incorporate nature-based solutions?

No

When will the mitigation activity take place?

The project will commence upon the receipt of a sub-recipient agreement from North Carolina Department of Public Safety (NCDPS). The Town of Kenansville Department of Public Utilities anticipates that engineering and design work, including obtaining permits and the bidding process, will take approximately 10 months. Construction and project closeout will take approximately 12 months assuming a conservative lead time on purchasing the required materials and equipment. These expected timelines also include sufficient time for procurement and coordination with NCDPS to execute the sub-recipient agreement. Specific milestones are provided in the Schedule section. Once project is approved by FEMA and State It will take approximately 10 months for project plans and DEQ approval. Construction could ultimately start within one year of approval of Grant.

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?

Several alternatives were considered for this project, including the "No Action" Alternative. The "No Action " alternative would provided no protection to the pump station. As noted above, it is clear past events have directly impacted the lift station and will continue to do so if no mitigation action is taken. The relocate lift station alternative was considered to relocated the lift station out of the flood zone. This alternative will require the largest time out of service and require the most funding for relocation of the collection lines and building a new lift station. Using engineering judgement, the preferred alternative proposed to raise the lift station above the 100 year flood and elevate the key components to prevent service outage. the proposed alternative is the best alternative for all components of this critical infrastructure.

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?

As project sub-applicant, the Town of Kenansville takes full responsibility for ensuring that the operation and maintenance needs of the project are met. The sub-applicant intends to engage with the project collaborative partners to further discuss allocation of operation and maintenance responsibilities. An Operations and Maintenance Plan will be implemented by the sub-applicant following completion of construction. The O&M Plan will be developed by the engineering consultant close to substantial completion of construction to take into account the final as-built conditions of the project. The O&M Plan will identify and describe the activities required for thorough inspection of the pump station, outfall, interceptor, and all streambank, erosion, and site control. It will also specify activities for typical maintenance of those facilities. The O&M Plan will provide recommended schedules for inspection and maintenance activities. The cost to maintain and operate the new lift station will be less than the current cost to maintain and operate due to the infrastructure exceeding it's useful life. Town of Kenansville budgets are approved on an annual basis and the O&M cost for the lift station will be included in their annual cost for maintenance.

Additional comments (optional)

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
BRIC2022-Template-Population Impacted.pdf	01/23/2023	jjames@kenansville.org	Scope of Work Attachments	Population Impacted Qualitative Criterion	
BRIC2022-Template-Outreach Activities.pdf	01/23/2023	jjames@kenansville.org	Scope of Work Attachments	Community Engagement/Outreach Activities Qualitative Criterion	
BRIC2022-Template-Risk Reduction & Resilience Effectiveness.pdf	01/23/2023	jjames@kenansville.org	Scope of Work Attachments	Risk Reduction/Resilience Effectiveness Qualitative Criterion	
BRIC2022-Template-Implementation Measures.pdf	01/23/2023	jjames@kenansville.org	Scope of Work Attachments	Implementation Measures Qualitative Criterion	

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 Design	Start Month 3	Task Duration (in Months) 10 months	Task Description Engineer to prepare plans to include contracts, construction, RFR's, inspection of project, final approval
Task Name State Grant Contracting	Start Month 1	Task Duration (in Months) 2 months	Task Description NCDPS subrecipient grant contracting
Task Name Permits	Start Month 4	Task Duration (in Months) 4 months	Task Description Apply for required permits (Go / No Go)
Task Name Surveying	Start Month 4	Task Duration (in Months) 2 months	Task Description Survey structure and existing assets with Elevations
Task Name Bid - Construction	Start Month 13	Task Duration (in Months) 2 months	Task Description Bid and award construction contract
Task Name Construction	Start Month 15	Task Duration (in Months) 12 months	Task Description Construction on lift station

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

27

Proposed project start and end dates

Start Date **2024-07-01**
 End Date **2026-10-01**

Introduction

Project location

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

The lift station is located approximately 350 feet north west of Grove Circle. Physical address of the lift station is 115 W Grove Circle, Kenansville, NC 28349. See attached map for lift station location.

Latitude **34.966983**
 Longitude **-077.965594**

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Google Map Kenansville.pdf	11/17/2022	jjames@kenansville.org	Project Location Attachments	No description given.	

Project benefiting area

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

Entire corporate limits of the Town of Kenansville. Community College outside of town, Jail annex out of town, medical center on Kenansville bypass, DOT maintenance facility wastewater flow to the lift station. The lift station sends the waste directly to the waste treatment plant. See attached map showing Kenansville and the surrounding area that is served by the lift station.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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Project impact area

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

Same as benefiting area

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
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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.) **Yes**

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) (1 location)

Status	Location ID	Address	Inventory type	Structure type	Mitigation action
✓	49396	115 W Grove Circle , Kenansville, NC, Duplin, 28349	Infrastructure/Utility/other	Wastewater	Elevation, Floodproofing

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: \$999,600.00

Budget type: Construction

▶	Cost type: Cost estimate	\$952,000.00
▶	Cost type: Management cost	\$47,600.00

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. Yes	Proposed federal share	83.99	\$39600.00
	Proposed non-federal share	16.01	\$160000.00
	Based on total project cost: \$999,600.00		

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: State Funding	100.00%	\$160,000.00

Please provide any additional comments below (optional).

Kenansville Per Capita is less than 80% Income Per Capita in the US
Kenansville (\$30,110) < US (37,638) x .8 Kenansville (\$30,110) < 80% US
(30,110) See all data and calculations below for review

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
Kenansville Population and MHI.pdf	01/06/2023	jjames@kenansville.org	BudgetAttachments	US Census Population and MHI Data	
U.S. Census Bureau QuickFacts_ United States.pdf	01/06/2023	jjames@kenansville.org	BudgetAttachments	US Census Population Data for the Untied States	
Economically Disadvntaged Rural Community Calculation.docx	01/06/2023	jjames@kenansville.org	BudgetAttachments	Calculations for Economically Disadvantaged Rural Community	
Grove Circle Lift Station Estimate_BRIC.pdf	01/23/2023	jjames@kenansville.org	BudgetAttachments	Project Estimate	
Project Schedule_Kenansville BRIC Grant.pdf	01/23/2023	jjames@kenansville.org	BudgetAttachments	Project Schedule	
Match Fund Commitment Letter.pdf	01/23/2023	jjames@kenansville.org	BudgetAttachments	Match Fund Commitment Letter	
Letter of Matching Grant Funds.pdf	01/23/2023	jjames@kenansville.org	BudgetAttachments	Letter from Kenansville for Grant Match	

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
Please explain why this project is not applicable.

Please explain why this project is not applicable.

What are the total project benefits? (\$)	999600
What are the total project cost? (\$)	999600
What is the benefit-cost ratio (BCR) for the entire project?	1.00
Was sea level rise incorporated into the flood elevations in the BCA?	No
Were environmental benefits added to the project benefits?	Yes
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
Kenansville_BCA Methodolgy.pdf	01/06/2023	jjames@kenansville.org	Cost Effectiveness Attachments	Kenansville BCA Methodology	
Kenansville_ProjectsExport_2023611113492.zip	01/06/2023	jjames@kenansville.org	Cost Effectiveness Attachments	BCA Calculator Export File	

Filename	Date uploaded	Uploaded by	Label	Description	Action
Kenansville_Version 6.0.0_Build 20230103.pdf	01/06/2023	jjames@kenansville.org	Cost Effectiveness Attachments	Copy of BCA from Calculator	

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? **Yes**

Please explain in the text box below and/or provide any documentation to identify the means or the alternatives considered to eliminate or minimize impacts to floodplains (See the 8 step process found in 44 CFR Part 9.6.) to help FEMA evaluate the impact of the project:

The lift station is located in the 100 year flood zone. The zone is designated AE. See attached flood map showing the location of the lift station in the 100 year flood zone. A additional map is attached showing a close up of the lift station in the AE zone.

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

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
FEMA Flood Map.pdf	11/17/2022	jjames@kenansville.org	affectToPercentAnnualChanceFloodplain.attachmentIds	Small FEMA Flood Map of the project area.	
Pump Station Flood Zone.pdf	11/17/2022	jjames@kenansville.org	affectToPercentAnnualChanceFloodplain.attachmentIds	Map showing the lift station location in the AE flood zone	

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? **Not known**

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

The attached map shows that Kenansville had an SVI of 0.9407. The location of the lift station has also been marked on the map.

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
SVI Score Map.pdf	11/17/2022	jjames@kenansville.org	lowIncomeMinority.attachmentIds	Screen shot of the CSC website showing the SVI Score of Kenansville and the project area "lift station" location.	

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 **No**

past recipient of Building Resilient Infrastructure and Communities (BRIC) non-financial Direct Technical Assistance?

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

Year of building code **2015**

Please provide the building code. **2015 North Carolina State Building Code**

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. **Town of Kenansville Department of Public Utilities will work closely with NCDEQ in ensure the project does not affect the environment and water quality during construction. Kenansville has also identified several critical facilities with in the project area including schools, fire/police/EMS, and medical facilities that will continue to engage and collaborate with during the implementation of the proposed mitigation project. Kenansville will rely on the State and Local government in the providing feed back on the regulation. The Engineer will be relied upon to provided the best design that meeting the State and Local government regulation and be efficient and cost effective for the Town will meeting all the goals of keeping the lift station running during flood events.**

Discuss how anticipated future conditions are addressed by this project. **This project will ensure that the main lift station for the collection system will stay in service and provide uninterrupted sewer service to the customers and surrounding agency that provided health, medical, and emergency services to the Kenansville and Duplin County. The lift station will be elevated above the 100 year flood and the electrical and Dri-Prime Pump will be elevated above the 500 year flood. Climate mapping tools will be utilized in the design of this project to account for future changes in precipitation intensity as a result of climate change. It is expected that rainfall intensity will increase over the useful like of the project, so the mitigation design elevation will purposefully be higher that is required by current regulations.**

Additional comments (optional)

Attachments

Filename	Date uploaded	Uploaded by	Label	Description	Action
BRIC2022-Template-Leveraging Partners.pdf	01/23/2023	jjames@kenansville.org	Evaluation Attachments	Leveraging Partners Qualitative Criterion	
Keanansville NC BCEGS Letter.pdf	01/23/2023	jjames@kenansville.org	Evaluation Attachments	Building Code Effectiveness Grading Schedule Letter	
BRIC2022-Template-Future Conditions.pdf	01/23/2023	jjames@kenansville.org	Evaluation Attachments	Climate Change and Other Future Conditions Qualitative Criterion	
Technical Scoring Support.pdf	01/23/2023	jjames@kenansville.org	Evaluation Attachments	Technical Scoring Supporting Documents	

Comments & attachments

- ▶ **Community** **0 comment, 0 attachments**
- ▶ **Mitigation plan** **0 comment, 1 attachments**
- ▶ **Scope of work** **0 comment, 4 attachments**
- ▶ **Budget** **1 comment, 7 attachments**
- ▶ **Cost-effectiveness** **0 comment, 3 attachments**

▶ Evaluation	0 comment, 4 attachments
▶ Environmental/Historic Preservation (EHP)	0 comment, 3 attachments
▶ Location	0 comment, 1 attachments

Assurances and certifications

[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:

- 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.
- 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.
- 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.
- Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
- 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.
- Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.