

Compare Results

Old File:

**MS - BEAD Initial Proposal - Volume 2
Draft.pdf**

57 pages (779 KB)
11/1/2023 1:53:24 PM

versus

New File:

**MS - BEAD Initial Proposal - Volume 2
Submitted.pdf.pdf**

62 pages (1.07 MB)
12/22/2023 7:40:10 PM

Total Changes

442

Text only comparison

Content

177 Replacements

40 Insertions

225 Deletions

Styling and Annotations

0 Styling

0 Annotations

[Go to First Change \(page 1\)](#)

Federal Award ID Number	28-20-B080
Grant Request Number	GRN-000080
Funding Program Name	Broadband Equity Access and Deployment (BEAD) Program
Funding Request Name	MISSISSIPPI DEPARTMENT OF FINANCE & ADMINISTRATION-Initial Proposal-Vol 2-GRN-000080
Applying Organization	MISSISSIPPI DEPARTMENT OF FINANCE & ADMINISTRATION
Applicant Name	Kyle Brown

02.01.0 Objectives

Outline the long-term objectives for deploying broadband; closing the digital divide; addressing access, affordability, equity, and adoption issues; and enhancing economic growth and job creation. Eligible Entities may directly copy objectives included in their Five-Year Action Plans.

The following goals and objectives are necessary to close the digital divide in Mississippi.

Goal: Create a fully comprehensive Mississippi broadband map.

Objective: To determine grant awards and monitor expansion efforts.

Objective: To prevent duplication of funds.

Objective: To reflect digital skills and literacy training programs and device loan or assistance programs.

Goal: Provide universal high-speed internet service.

Objective: Provide service of 100Mbps / 20 Mbps to all Mississippians.

Objective: Determine appropriate technology for high-cost locations and extremely high-cost locations.

Goal: Increase statewide broadband adoption rates.

Objective: Ensure all grant awardees comply with affordability requirements.

Objective: Promote the FCC Affordable Connectivity Program.

Goal: Increase digital skills and accessibility.

Objective: Support and leverage existing efforts by state agencies.

Objective: Identify barriers and develop strategies to address each obstacle.

Goal: Comply with all BEAD Requirements.

Objective: Accurately assess financial and technical capabilities of applicants.

Objective: Monitor all aspects of subgrantee buildout for compliance.

Objective: Meet all reporting and compliance requirements.

02.02.01 Local, Tribal and Regional Broadband Planning Processes

Identify and outline steps that the Eligible Entity will take to support local, Tribal, and regional broadband planning processes or ongoing efforts to deploy broadband or close the digital divide. In the description, include how the Eligible Entity will coordinate its own planning efforts with the broadband planning processes of local and Tribal Governments, and other local, Tribal, and regional entities. Eligible Entities may directly copy descriptions in their Five-Year Action Plans.

From its inception, BEAM has partnered with state agencies, nonprofits, associations, elected officials, community leaders, and ad hoc coalitions to work toward the goal of closing the digital divide in Mississippi.

BEAM has recognized the unique needs of the Mississippi Band of Choctaw Indians (MBCI) and has held separate discussions with their leaders to understand how they can support their broadband initiatives. Sally Doty, BEAM's director, has met with MBCI leadership multiple times and has pledged assistance in achieving the broader goal of providing broadband access to all Mississippians. This proactive engagement demonstrates BEAM's commitment to addressing specific community needs and fostering inclusive connectivity.

BEAM created a core planning team as suggested by NTIA for development of the Mississippi Digital Skills and Accessibility Plan. Leaders of organizations who work with covered populations were invited to participate in periodic meetings to understand the funding opportunities available under BEAD and discuss the needs of their particular groups. Individual meetings with members of the core planning team were held to discuss needs and possible outreach to each particular covered population. Members of the Core Planning Team include representatives from the following organizations:

- AARP Mississippi
- Community Foundation of North Mississippi
- FCC Communications Equity Diversity Committee
- Mississippi Missionary Baptist Convention
- Hope Credit Union – Hope Policy Institute
- One Shred of Hope
- Mississippi Department of Corrections
- Mississippi Minority Business Development Agency
- Mississippi Library Commission
- Mississippi Veterans Affairs
- Mississippi Community College Board
- Mississippi Institutes of Higher Learning
- Mississippi Farm Bureau
- National Telecommunications and Information Administration

Mississippi Alliance for Non-Profits

No stakeholder or community is the same across the State. Rather, different stakeholders require different types of outreach and community engagement to yield reliable data that will result in

strategies to reach covered populations. Accordingly, BEAM works closely with each stakeholder group to develop a targeted outreach plan that will produce reliable results in a timely fashion.

To date, BEAM attended, held, or hosted more than 60 community engagement meetings that were attended by local elected officials, community leaders, nonprofit representatives, residents, and other key stakeholders across the State. These meetings included two parts: the first being a presentation educating attendees on grant funding, the timeline of broadband deployment and buildout, who is eligible/ineligible for funding, and resources available to help bridge access and skills while the second half of these meetings allowed for participants to ask questions and to share their experiences with unreliable internet or no access to the internet. The team documented questions and feedback received from these in-person meetings to develop programs that yield quality results for covered populations.

Below is a summary of consistent feedback heard during these informational sessions:

- Unable to work remotely after moving back to Mississippi to care for elderly parents.
- Multiple children are unable to complete homework assignments because of inadequate service or availability of devices.
- High-speed internet access is unavailable for telehealth.
- Service is needed immediately - availability in 3 or 4 years seems like a lifetime.
- Service is too expensive.
- Even cell phone service is unreliable, and lack of high-speed internet is a health and safety issue.

Each community engagement event included a discussion of the ACP and its eligibility requirements. Participants were encouraged to use the speed-test tool to record their speeds or call 601-439-2535 to record no service. Citizens could also text the previously mentioned phone number to log their lack of access.

BEAM also partnered with each of Mississippi's eight four-year public institutions of higher learning to gather additional data regarding barriers to access for covered populations. This effort included three historically Black colleges and universities ("HBCU"); Jackson State University located in the Capitol City, Mississippi Valley State located in the Delta, and Alcorn State University, a land-grant institution located in Southwest Mississippi which is one the most unserved area of the state. Each university hosted a focus group with their assigned covered population and collected other research on barriers and obstacles for these groups. This information is available in the Mississippi Digital Skills and Accessibility Plan.

BEAM partnered with the fifteen public community colleges across Mississippi, two of which are considered HBCU and located in the Mississippi Delta, a widely unserved area, Coahoma Community College in Clarksdale and Mississippi Delta Community College in Morehead. These partnerships are

primarily focused on cataloging current workforce development programs and defining future needs. Each college hosted a focus group meeting with the internet service providers (ISPs) in their areas to discuss foreseeable needs in both the near and long term, with a focus on how the Community Colleges can best design curriculums to meet these needs. The Community Colleges also publicized the Affordable Connectivity Program in their student and community populations and administered a connectivity survey. This information is provided in the Mississippi DSA Plan as well.

BEAM gathered information and participated in events with numerous organizations across the state that are providing digital skills training. The Mississippi Library Commission is a consistent leader in digital access and skills training. With 246 physical locations across the state, the Library Commission is working towards arduous task of connecting all locations with fiber. This was accomplished by taking advantage of the state contract, Contract 5000, that requires a fiber broadband connection for all governmental entities. The Commission reports that local library branches are now upgrading equipment to take advantage of high-speed access through the e-rate program, but local funding issues make this a slow process. Mississippi libraries provide computers on-site for use, wi-fi that often extends outdoors and is available to the public, loan devices, and engage in digital skills training. BEAM intends to work closely with the Mississippi Library Commission to enhance these existing programs.

Likewise, BEAM met with the Mississippi Department of Education on numerous occasions to determine obstacles and barriers among students and teachers to be addressed. During the pandemic, the Mississippi Legislature used \$100 million of CARES funding to provide tablets or other devices for all students to participate in remote learning. Students in rural areas with no access to high-speed internet were unable to use the devices as intended. While all public schools in Mississippi have access to fiber broadband if they choose to avail themselves of the state contract for high-speed internet services, some districts chose other technology and have reported slow speeds and difficulty with connections. Mississippi school districts participate in a connectivity survey each year and BEAM will provide that information within its DSA plan, as the most recent data is currently being collected for the beginning of the 2023-24 school year.

BEAM recently hosted a meeting with all state agencies to gather information on any obstacles or barriers faced by the populations they serve. This meeting also provided information from agencies on any skills training or broadband programs, they may provide. A similar meeting was conducted for the Mississippi Alliance of Nonprofits and Philanthropy in September. All information will be categorized in the DSA plan.

BEAM recognizes that nonprofits are essential for digital skills training and has met with numerous organizations including:

- The BEAN Path in Jackson provides programming for the Jackson Public School System and introduces students to a digital maker's space that allows students to use digital skills in creative means.
- The Basecamp Coding Academy in Water Valley provides high-school graduates with a free

program of study that leads to a career as a software developer.

- The Isaac Chapel Rosenwald School in Holly Springs is one of the few surviving Rosenwald schools in Mississippi and is now the home of digital skills training for local high school students.
- Save the Children funds a bus equipped with Wi-Fi in the Mississippi Delta that travels to small communities to allow students to increase their digital skills when school is not in session.

Nonprofits will guide strategies included in the DSA plan to implement a holistic approach to skills training and leverage the federal funding to close the digital divide in Mississippi.

Stakeholder engagement points to several common obstacles across Mississippi. First and foremost is a lack of high-speed internet availability across large swaths of the state. If service is in fact available, affording that service is the next most common obstacle. Other factors exist, such as lack of devices, lack of digital literacy, and privacy concerns must be addressed to fully close the digital divide in Mississippi.

02.03.01 Local Coordination Tracker and Description

Describe the coordination conducted, summarize the impact such coordination has on the content of the Initial Proposal, and detail ongoing coordination efforts. Set forth the plan for how the Eligible Entity will fulfill the coordination associated with its Final Proposal.

BEAM met and provided resources to numerous unserved and underserved communities and will continue to assist with local coordination in a more targeted manner as the BEAD program progresses. Information about funding streams and timelines, technology, and affordability options have already been provided through small and large group meetings, written materials, and coordination with partnering organizations.

The Office has prioritized inclusivity by involving a diverse range of stakeholders in the planning of its initiatives under the BEAD program. This inclusive approach extends to non-traditional stakeholders for broadband infrastructure deployment programs, such as non-profit organizations, community colleges, IHLs (Institutions of Higher Learning), and government agencies. The engagement process, often conducted within the framework of the state's Digital Skills and Accessibility Plan, has incorporated these stakeholders into the state's Core Planning Team. This collaboration ensures diverse input from minority groups, women, and various sectors in shaping the Office's plans. The BEAM office has mapped existing federal funding and received updated service information from the numerous affiliates of rural electric coops that are aggressively building in rural areas in Mississippi. This deduplication of existing funding and updated map now allows BEAM to focus on those communities that remain unserved or underserved that will help lead to full geographic coverage within the state. Through these mapping efforts, BEAM was able to locate areas that are the most un/underserved in the state. With this information, BEAM planned community outreach in these areas highly focusing on the Delta and Southwest regions of the state. Further refinements to unserved locations will be added when the Capital Projects Funds Awards are finalized in the coming weeks. The rural nature and low population density of many of the remaining un/underserved areas make

local planning difficult for some governmental entities. And while no municipalities, counties, or other governmental entities in Mississippi currently serve as internet service providers, and none are expected to assume that role, planning, and coordination remains essential to attract the provider that best aligns with the needs of the un/underserved community.

BEAM seeks to fill any gap in local coordination efforts and assist any community with planning and coordination through in person meetings, presentations at events targeted at rural community leaders, and referrals to nonprofit entities who provide grant funding for broadband planning activities. For example, BEAM worked to identify ten unserved areas for a nonprofit that now has an application pending with the Rural Utilities Service to assist with broadband planning for unserved areas across Mississippi. Likewise, BEAM has connected several communities with entities providing broadband planning funding such as the Appalachian Regional Commission.

BEAM has reached out to associations that work with rural communities and their leaders, with the BEAM director speaking at their conferences and BEAM staff available throughout the conference for individual conversations regarding coordination issues. BEAM provided additional information through articles in both the County Supervisor and Municipal League magazines. This outreach led to numerous meetings with local leaders as detailed in the local coordination tracker.

While the BEAM office will continue its current outreach, as project areas are defined for buildout under BEAD, the BEAM office will additionally work with Planning and Development Districts (PDD) across the State for coordination efforts. Mississippi has ten PDDs that provide planning and economic development activities and are closely aligned with their member communities. The PDDs have expressed their willingness to assist in disseminating information and conducting any local planning activities.

02.03.01.01 Local Coordination Tracker Tool

As a required attachment, submit the Local Coordination Tracker Tool to certify that the Eligible Entity has conducted coordination, including with Tribal Governments, local community organizations, unions and work organizations, and other groups.

[Local_Coordination_Documentation_Tracker_2023-12-21-2023 03-34-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.xlsx](#)

02.03.02 Tribal Consultation

Describe the formal tribal consultation process conducted with federally recognized Tribes, to the extent that the Eligible Entity encompasses federally recognized Tribes. If the Eligible Entity does not encompass federally recognized Tribes, note "Not applicable."

The Mississippi Band of Choctaw Indians (MBCI) is the only Federally recognized American Indian tribe living within the state of Mississippi. With more than 11,000 members, the Choctaw lands cover over

35,000 acres in ten different counties in Mississippi.

Through the Office of Governor Tate Reeves, the BEAM office requested consultation with the Mississippi Band of Choctaw Indians. The BEAM director met with MBCI Chief Cyrus Ben and his leadership team on May 9, 2023. MBCI provided an update on the buildout funded with their \$8.6 million Tribal Broadband Connectivity Program Grant and detailed concerns surrounding adoption of service. MBCI stressed the importance of digital skills training and the need for additional funding for these programs. BEAM committed to including strategies for Tribal outreach provided by MBCI in its DSA plan.

MBCI recently notified BEAM of a Tribal Council resolution creating “Chahta Link Communications, LLC” (Chahta is the word for Choctaw in the tribal language). MBCI anticipates using Chahta Link to grow their existing network to serve additional communities that are not situated within the defined Choctaw Reservation.

02.03.02.01 Tribal Consultation Evidence

As a required attachment only if the Eligible Entity encompasses federally recognized Tribes, provide evidence that a formal tribal consultation process was conducted, such as meeting agendas and participation lists.

Chief Cyrus Ben Letter-12-21-2023 03-36-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.pdf

Meeting with MBCI - Missis...-12-21-2023 03-36-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.pdf

2.4 Deployment Projects Subgrantee Selection Process

02.04.01 Subgrantee Selection Process Integrity

Describe a detailed plan to award subgrants to last-mile broadband deployment projects through a fair, open, and competitive process.

BEAM will utilize the same underlying web-based portal deployed in its administration of the \$151 million Broadband Infrastructure subcategory of the \$162 million awarded to the State through the U.S. Department of Treasury’s Capital Projects Fund (CPF). Under that program, BEAM published a statewide broadband map that was made available in advance to all prospective applicants. The statewide broadband map identified all Broadband Serviceable Locations (BSLs) throughout the state as well as the eligibility status of the BSL. Under the CPF program, the eligibility status for each BSL was binary (eligible or ineligible), with no contemplation of underserved. After completion of the Challenge

process described in Section 1.4 of Volume I of the Initial Proposal, the statewide broadband map will reflect the most current and accurate depiction of the level of service at each BSL, enabling BEAM to make determinations at a BSL level of served, underserved and unserved.

In making applications, certain required information will be asked of prospective applicants including information sufficient to assess the applicant's grant management capabilities, key information regarding the project, the applicant's plan to address affordability and adoption, and stakeholder engagement information. Upon receipt of applications, the BEAM office will conduct a multi-levelled review of applications ensuring the applicant provided sufficient information in the application to assess the risk associated with the applying entity (as required by 2 CFR 200.332), the eligibility of the proposed project as well as a project feasibility assessment, and an assessment of cost reasonableness.



2.4 Deployment Projects Scoring Criteria

02.04.02 Scoring Rubric and Prioritization

Describe how the prioritization and scoring process will be conducted and is consistent with the BEAD NOFO requirements on pages 42 – 46.

The State of Mississippi plans to accept applications for Subawards through a single round of competitive applications and will utilize a second, smaller round only if necessary. BEAM believes that the most effective and timely way to reach all portions of the state, both unserved and underserved, is to limit the process to one round of applications with a second round on an as needed only basis. The details of the application process are laid out below in Section 2.4.3. The scoring rubric attached outlines the tool that will be deployed to assign points to individual applications. Scoring of individual applications will be preliminarily conducted by hired contractual support and secondarily confirmed by BEAM staff. BEAM staff and hired contractual support have undergone extensive conflict of interest checks, including the maintenance of an internal conflict list. Score sheets will be maintained within the deployed system and made available to applicants and the public upon request.



The BEAD NOFO mandates 75% of scoring criteria be composed of the following categories:

Minimal BEAD Program Outlay

Affordability

Fair Labor Practices

Priority Broadband Projects will be scored as follows:

Minimal BEAD Program Outlay – 30%



Description: The project's total funding from BEAD, considering both the overall projected expenses

and the applicant's proposed share (which, in the absence of a waiver, must constitute no less than 25 percent of the project's cost).

Scoring: Points will be awarded based on upon the range in which the applicants proposed match percentage falls:

Affordability - 30%

Description: The applicant's pledge to deliver the most economical total cost to the customer for 1 Gbps/1 Gbps (Gigabit symmetrical) service within the project's geographical area.

Scoring: The BEAM office will award affordability points based on pricing for internet service packages of top tier speeds. The less expensive the monthly rate, the more points that will be awarded. Similarly, the more expensive the monthly rate, the fewer points will be awarded. Points will be awarded based upon the range in which the applicants proposed pricing structure falls:

Fair Labor Practices - 15%

Description: Applicants are required to provide a detailed account of their history and future intentions regarding adherence to federal labor and employment regulations. Applicants lacking a history of compliance with these laws can address this by making explicit commitments to uphold robust labor and employment standards and protections for BEAD-funded projects moving forward.

Scoring: The BEAM office will review applications for the requested certifications and narrative regarding historical compliance and plans to comply with Federal labor laws.

Speed to Deployment - 5%

Description: Every subgrantee who receives BEAD Program funding for network deployment is required to execute the proposed broadband network deployment and commence offering services to any customer in the project area requesting broadband services within four years from the date they receive the subgrant from the Eligible Entity.

Scoring: The BEAM office will review applications for the proposed timelines for deployment in each application based on the following criteria:

Headquartered in Mississippi - 10%

Description: In an effort to support businesses in Mississippi, as a secondary criteria, BEAM has implemented the Headquartered in Mississippi variable.

Scoring: The BEAM office will review applications and award points to those entities whose headquarters are stationed in the state of Mississippi.

Letters of Community Support - 3%

Description: Applicants are asked to provide letters of community/local government/tribal entity

support from those within their application project area.

Scoring: The BEAM office will review applications and award points to those who provide the requested letters of support.

Disaster Resilience and Future Proofing - 7%

Description: In an effort to utilize BEAD funds for the most robust broadband infrastructure systems, the BEAM office created the Disaster Resilience and Future Proofing criteria. This gives applicants the opportunity to create applications that utilize weather and disaster resilient infrastructure as well as a demonstration of future proofing of the applied network.

Scoring: The BEAM office will review applications and award points to those utilizing disaster resilient and future proofing technology.

Other Last Mile Broadband Projects will be scored as follows:

Minimal BEAD Program Outlay - 30%

Description: The project's total funding from BEAD, considering both the overall projected expenses and the applicant's proposed share (which, in the absence of a waiver, must constitute no less than 25 percent of the project's cost).

Scoring: Points will be awarded based on upon the range in which the applicants proposed match percentage falls:

Affordability - 30%

Description: The applicant's pledge to deliver the most economical total cost to the customer for 100 Mbps/20 Mbps service within the project's geographical area.

Scoring: The BEAM office will award affordability points based on pricing for internet service packages of top tier speeds. The less expensive the monthly rate, the more points that will be awarded. The more expensive the monthly rate, the fewer points will be awarded. Points will be awarded based upon the range in which the applicants proposed pricing structure falls:

Fair Labor Practices - 15%

Description: Applicants are required to provide a detailed account of their history and future intentions regarding adherence to federal labor and employment regulations. Applicants lacking a history of compliance with these laws can address this by making explicit commitments to uphold robust labor and employment standards and protections for BEAD-funded projects moving forward.

Scoring: The BEAM office will review applications for the requested certifications and narrative regarding historical compliance and plans to comply with Federal labor laws.

Speed to Deployment – 2%

Description: Every subgrantee who receives BEAD Program funding for network deployment is required to execute the proposed broadband network deployment and commence offering services to any customer in the project area requesting broadband services within four years from the date they receive the subgrant from the Eligible Entity.

Scoring: The BEAM office will review applications for the proposed timelines for deployment in each application based on the following criteria:

Headquartered in Mississippi - 4%

Description: In an effort to support businesses in Mississippi, as a secondary criteria, BEAM has implemented the Headquartered in Mississippi variable.

Scoring: The BEAM office will review applications and award points to those entities whose headquarters are stationed in the state of Mississippi.

Letters of Community Support - 4%

Description: Applicants are asked to provide letters of community/local government/tribal entity support from those within their application project area.

Scoring: The BEAM office will review applications and award points to those who provide the requested letters of support.

Download Speeds, Upload Speeds and Latency After Buildout – 10%

Description: Applicants that are adopting non-fiber projects are asked to demonstrate the download speeds, upload speeds and latency of their alternative technology will be able to provide to their customers following buildout.

Scoring: Applicants using alternative technologies to provide high-speed, reliable internet will be scored as outlined in the chart below:

Uptime - 5%

Description: Uptime is defined as the percentage of operable time in a given year. Applicants will be asked to provide metrics/data/justification for their Uptime percentage in the application process.

Scoring: The BEAM office will score an applicant based on the percentage of Uptime in a given year.

02.04.02.01 Scoring Rubric and Prioritization

As a required attachment, submit the scoring rubric to be used in the subgrantee selection process for deployment projects. Eligible Entities may use the template provided by NTIA, or use their own format for the scoring rubric.

Initial Proposal Vol. 2 Section 2.4.2.1 - Pri-12-21-2023 03-41-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.xlsx

Initial Proposal Vol. 2 Section 2.4.2.1 - Oth-12-21-2023 03-41-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.xlsx

02.04.03 Prioritization of Projects

Describe how the proposed subgrantee selection process will prioritize Unserved Service Projects in a manner that ensures complete coverage of all unserved locations prior to prioritizing Underserved Service Projects followed by prioritization of eligible CAIs.

BEAM plans to prioritize projects designed to build out connections to unserved and underserved locations utilizing a 5-step model for as many rounds of competitive grant applications are necessary to deploy last-mile broadband deployment projects to Mississippians currently classified as unserved and underserved. To do this, BEAM will utilize both known and derived data. The specifics of the data used are lined out in section 2.4.6. The five steps the State of Mississippi plans to undertake in order, and at a high level, are:

Define project areas to include all unserved and underserved locations statewide.

Accept letters of intent from ISPs which will include the submission of all prequalification information

Review letters of intent to understand if project areas as defined will maximize participation.

Re-define project areas, as necessary.

Open competitive application process allowing applications to be made in finalized project areas.

Expanding further, for an abundance of clarity on each step, the State of Mississippi's process has been designed to maximize provider participation in the program, which ultimately serves the public interest most advantageously.

Step 1: Define project areas to include all unserved and underserved locations statewide:

BEAM plans to make the initial assignments of project areas dividing the unserved and underserved locations geographically to ensure that prospective subgrantees have strong interest in each defined project area within the state, with the ultimate goal of serving the public interest. Though the defined project areas are not yet drawn, the BEAM office plans to subdivide the state geographically such that an application area would encompass a target number of BSLs, with additional consideration given to overall coverage square miles and possible fiber route span.

Step 2: Accept letters of intent from ISPs:

Establish a streamlined process for ISPs to express their intent to participate in the broadband expansion initiative. Provide ISPs with guidelines and a submission channel, such as an online portal, to submit letters of intent. Request essential information, including their interest in specific project areas,

to gauge their willingness to contribute to the initiative.

Step 3: Review letters of intent to understand if project areas as defined will maximize participation: After receiving letters of intent from ISPs, review to gauge interest and assess alignment with the defined project areas. This evaluation will help determine if the project areas encompass the maximum potential for participation from interested providers and if any adjustments or clarifications are needed.

Step 4: Re-define project areas, as necessary:

If the review of letters of intent reveals gaps or areas that may not maximize ISP participation, BEAM may choose to re-define project areas. This may involve revisiting the initial criteria, consulting with stakeholders, and making data-driven adjustments to ensure that the project areas are optimized for participation and successful broadband deployment.

Step 5: Open a competitive application process allowing applications to be made in finalized project areas:

Once project areas have been re-defined and confirmed, the BEAM office will launch an open and competitive application process. The application portal will establish clear guidelines for applicants, including ISPs and other potential partners, to submit detailed proposals outlining how they plan to address broadband deployment within the finalized project areas. This process allows for the selection of the most promising proposals, ensuring efficient and effective broadband expansion to all Mississippians.

02.04.04 Prioritization of CAIs

If proposing to use BEAD funds to prioritize non-deployment projects prior to, or in lieu of the deployment of services to eligible CAIs, provide a strong rationale for doing so. If not applicable to plans, note "Not applicable."

Not Applicable^x at this time. At present, Mississippi anticipates using all funds for deployment activities.

02.04.05 Subgrantee EHP and BABA Requirements

The proposed subgrantee selection process is expected to demonstrate to subgrantees how to comply with all applicable Environmental and Historic Preservation (EHP) and Build America, Buy America Act (BABA) requirements for their respective project or projects. Describe how the Eligible Entity will communicate EHP and BABA requirements to prospective subgrantees, and how EHP and BABA requirements will be incorporated into the subgrantee selection process.

Build America, Buy America (BABA)

PLEASE NOTE: In light of the forthcoming guidance related to the limited nonavailability BABA waiver of applicability for the BEAD program, BEAM may make further updates to the planned actions described below. ❌

BEAM will place emphasis on ensuring that taxpayer dollars are spent procuring needed products and supplies from American workers and businesses, thereby strengthening and growing U.S. domestic manufacturing capacity. BEAM will communicate requirements stipulated in the Build America, Buy America Act (BABA) as updated by the to all applicants prior to the selection process. Key points highlighted by BEAM will be:

Requirement that all iron, steel, manufactured products (except for those explicitly waived in the BABA waiver currently under public comment), and construction materials used in the project or other eligible activities are produced in the United States. ❌

- In determining whether a product is produced in America, subrecipients must comply with definitions included in Section 70912 of the Build America, Buy America Act, which provides that a manufactured product is considered produced in the United States if the manufactured product was manufactured in the United States and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation.
- In addition to the provisions above, subgrantees may not use BEAD funding to purchase or support any covered communications equipment or service, as defined in Section 9 of the Secure and Trusted Communications Networks Act of 2019 (47 U.S.C. § 1608). ❌
- The Infrastructure Act expressly prohibits subgrantees from using BEAD funding to purchase or support fiber optic cable and optical transmission equipment manufactured in the People's Republic of China unless a waiver of this requirement is received from the Assistant Secretary. BEAM will incorporate the requirements of the Build America, Buy America Act into the subgrantee selection process by conducting regulations information webinars, posting a list of regulations on the BEAM website, and including the requirements in grant applications/instructions as well as grant agreement terms/conditions and subgrantee grant monitoring program requirements. Any application that does not show intent to abide by BABA or explicitly violates the requirements will not be considered to receive BEAD funding. ❌

To ensure compliance, the BEAM office will require that subgrantees select vendors from the NTIA self-certifying list, when that list is made widely available. Upon submission of written requests accompanied by supporting documentation (certification letters, headquarter information and manufacturing location information), subgrantees may be allowed to seek purchases from vendors or suppliers not enumerated on the NTIA self-certifying list, subject to BEAM approval. In order to

streamline BABA reporting, the BEAM office will gather data from subgrantees regarding BABA compliance and foreign purchases of any items specifically granted in the BABA waiver in the course of obtaining regular progress reporting.

Environmental and Historic Preservation (EHP)

BEAM will serve as a resource and guide subgrantees through the Environmental and Historic Preservation (EHP) assessment process. BEAM will make available resources currently published by FEMA regarding the EHP assessment process, including the dissemination of certain appendices and the adoption of pre-existing checklists contained within the UFR Applicant guide. In doing so BEAM place the largest amount of emphasis on adherence to the National Environmental Policy Act (NEPA) (42U.S.C. § 4321 et seq.) and National Historic Preservation Act (NHPA) (54 U.S.C. § 300101 et seq.) requirements to analyze the potential environmental impacts of awardee projects and other eligible activities that are seeking to utilize BEAD funding. Communication between BEAM and applicants prior to and throughout the selection process will ensure entities seeking to capitalize on BEAD funding comply with NEPA and NHPA. BEAM administered a thirty-two million award under the Bi-partisan Infrastructure Program (BIP) and gained extensive experience in coordination with the Mississippi SHPO office and First Net and its Environmental Compliance and Federal Preservation Officers. The below points will be specifically highlighted:

- Projects or other eligible activities containing construction and/or ground-disturbing activities are required to submit all required environmental documentation to NTIA with their Final Proposals, which also must describe how they will comply with applicable environmental and national historical preservation requirements.
- It is the subgrantee's responsibility to obtain all necessary federal, state, and local governmental permits and approvals necessary for the proposed work to be conducted.
- Projects and other eligible activities are expected to be designed so that they minimize the potential for adverse impacts on the environment. BEAM will incorporate the requirements of the National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 et seq.) and National Historic Preservation Act (NHPA) (54 U.S.C. § 300101 et seq.) into the subgrantee selection process by conducting regulations information webinars, posting a list of regulations on the BEAM website, and including the requirements in grant applications/instructions as well as contract negotiation records, grant agreement terms/conditions and subrecipient grant monitoring program requirements. Projects that fail to comply with EHP regulations will not be considered to receive BEAD funding.

02.04.06 Project Area Definition

Describe how the Eligible Entity will define project areas from which they will solicit proposals from prospective subgrantees. If prospective subgrantees will be given the option to define alternative proposed project areas, describe the mechanism for de-conflicting overlapping proposals to allow for like-to-like comparisons of competing proposals.

As described in Step 1 of section 2.4.3, BEAM will define project areas with a dual purpose approach of ensuring that every unserved and underserved BSL in the State is contemplated in a project area and subdividing the state into areas that will maximize participation by ISPs. BEAM anticipates that this approach will enable an overall avoidance of conflicting overlapping proposals as the competitive application process described in Step 5 of Section 2.4.3 will limit applications to the pre-defined project areas.

Mississippi will pre-define project areas that will be eligible for funding under Mississippi's Broadband Equity Access and Deployment (BEAD) Program. BEAM's objective is to optimize the utilization of funds and ensure comprehensive coverage of Broadband Serviceable Locations (BSL) throughout the state. By balancing the size, efficiency, and viability of these project areas, BEAM aims to ensure that all areas receive competitive funding applications and that no BSLs are left behind.

Known Data: Mississippi has diligently compiled public and proprietary datasets to accurately pinpoint every eligible BSL in the state. Additionally, BEAM uses accessible middle mile fiber and road networks to estimate where broadband routes can be built or extended.

Derived Data: BEAM will apply a spatial graph algorithm that ensures every BSL is encompassed within a project area. The algorithm estimates the route and coverage of new broadband infrastructure needed to reach every BSL in each area. Further analysis will weigh factors such as estimated cost, take rate, and project size between application areas, so BEAM may combine or split areas to ensure they are individually viable and efficient in the aggregate.

Planned Process:

Dividing Project Areas:

While the specific project zones have not been delineated, the BEAM office intends to divide the state geographically. At present, BEAM is contemplating initially dividing the state into project areas based on County Supervisor Districts (410 in total). This division aims to create application areas that include a specified number of BSLs, taking into account both the overall coverage in square miles and the potential span of fiber routes.

Exclusion of Confirmed Districts:

Districts already confirmed as having every BSL served or allocated funding are removed from the map and the resulting eligible project area list.

Accepting Letters of Intent

This will include BEAM setting up a Letter of Intent submission process from ISPs to express their intent to participate in the broadband expansion initiative. BEAM will request essential information from each

entity including their interest in specific project areas.

Reviewing Letters of Intent

Upon receipt of letters of intent, BEAM will conduct a thorough review to assess interest and alignment with the specified project areas. This is to ascertain whether the project areas adequately cover the maximum potential for participation from interested providers and to note any necessary adjustments or clarifications.

Project Area Determinations

Should the examination of letters of intent uncover gaps or identify areas where ISP participation may not be maximized, BEAM has the option to redefine project areas. This process may include revisiting the initial criteria, engaging with stakeholders, and implementing data-driven adjustments to optimize the project areas for successful broadband deployment and increased participation.

The following will be taken into consideration if Supervisor Districts are used for the initial areas:

Remaining districts are evaluated; if feasible, a district may stand alone as a project area.

Adjacent districts may be combined to form a larger project area.

Some districts may be split into multiple project areas, considering cost, take rate, and demographic data.

Adjustment and Recalculation: Project areas are subject to ongoing recalculation and adjustment at key milestones, including:

Public Challenge Period that will begin once approved by NTIA

New award of federal or state broadband funding

Default of the award of previous federal or state broadband funding. Prior to the opening of Mississippi BEAD applications, we will publish a map of these project areas for public review, and make the boundaries and BEAD-eligible BSLs for each area available for download to registered applicants. In the application process, applicants will be required to indicate which project area they are proposing to serve. During and after the application process, we may continue to revise boundaries depending on the number and quality of applications we receive for each area, to ensure that all locations are ultimately included in one or more competitive project proposals.

02.04.07 Coverage for Locations with No Proposals

If no proposals to serve a location or group of locations that are unserved, underserved, or a combination of both are received, describe how the Eligible Entity will engage with prospective subgrantees in subsequent funding rounds to find providers willing to expand their existing or proposed service areas or other actions that the Eligible Entity will take to ensure universal coverage.

Through the acceptance of letters of intent and subsequent modifications to the defined project areas as described in Section 2.4.3, BEAM anticipates conducting one round to award funding to reach

universal service for unserved and underserved locations with a second round of applications on an as needed basis. In the event that individual locations or clusters of locations remain unserved following the publication of initial awards from the first round of application solicitations, the BEAM office will rapidly launch a second application period re-opening the remaining areas for a brief application window. To the extent the second round of applications does not reach all unserved and underserved locations in the State, the BEAM office will contact the nearest ISP, where applicable, as indicated by the continuously updated database of network infrastructure maintained by the BEAM office and attempt to negotiate an award to finish out the remaining unserved locations. In the event that ISP declines that award a third round of competitive solicitations will be made in a manner identical to the first two rounds, as described in Section 2.4.3.

02.04.08 Deployment Project Tribal Consent

Describe how the Eligible Entity intends to submit proof of Tribal Governments' consent to deployment if planned projects include any locations on Tribal Lands.

The Mississippi Band of Choctaw Indians (MBCI) is the only Federally recognized American Indian tribe living with the State of Mississippi. With more than 11,000 members, the Choctaw lands cover over 35,000 acres in ten different counties in Mississippi. All Tribal land will be designated as such in BEAM's internal mapping software.

BEAM will comply with all tribal consultations as required in the NOFO. BEAM, in its grant portal, will ask applicants if the proposed project crosses tribal lands and require applicants to upload a letter of consent from the MBCI.

02.04.09 Extremely High Cost Per Location Threshold Identification

Identify or outline a detailed process for identifying an Extremely High Cost Per Location Threshold to be utilized during the subgrantee selection process. The explanation must include a description of any cost models used and the parameters of those cost models, including whether they consider only capital expenditures or include operational costs for the lifespan of the network.

The BEAM office has undergone extensive data and cost modeling utilizing information provided regarding existing middle mile, an assumption of several variations of aerial and buried fiber deployments, as well as inputs from the current deployments' unit costs of individual fiber network components seen through existing grant programs. Through this process, BEAM has provisionally identified an Extremely High Cost Per Location Threshold (EHCT) based on an in-depth analysis of various models for fiber to the home (FTTH) for all Mississippians. Based on the mapping efforts of the BEAM office and the understanding of the current middle-mile network infrastructure provided to the BEAM office in collaboration with ISPs in the state, as well as the aforementioned processes, the

current prevailing model contemplates a 75%/25% aerial/buried deployment in calculating the EHCT. The current working figure exclusively contemplates the capital expenditures that would be required to deploy fiber to every BSL within the state and does not take into consideration any ongoing operating costs over the life of the network assets. Current models reflect over 7% of unserved above an EHCT.

Though significant data and cost modeling have taken place to assess a possible EHCT, the BEAM office elects to postpone the release of the EHCT at this time. Upon receipt of the letters of intent and tentatively applications from the first funding round, the BEAM office will utilize the data gathered to further refine the pre-existing models and formally establish an EHCT. Should there be defined project locations that do not receive any letters of intent nor application for funding after the conclusion of the first round of funding, BEAM will consider publishing and incorporating an EHCT into the smaller, second round of funding to enable the BEAM office to consider funding Other Last-Mile Broadband Projects as defined in the BEAD NOFO.

02.04.10 Extremely High Cost Per Location Threshold Process

Outline a plan for how the Extremely High Cost Per Location Threshold will be utilized in the subgrantee selection process to maximize the use of the best available technology while ensuring that the program can meet the prioritization and scoring requirements set forth in Section IV.B.6.b of the BEAD NOFO. The response must describe:

- a. The process for declining a subgrantee proposal that exceeds the threshold where an alternative technology is less expensive.
- b. The plan for engaging subgrantees to revise their proposals and ensure locations do not require a subsidy that exceeds the threshold.
- c. The process for selecting a proposal that involves a less costly technology and may not meet the definition of Reliable Broadband.

Sections 2.4.10.A, 2.4.10.B, and 2.4.10.C below all incorporate by reference the EHCT process description in section 2.4.9 above.

Process for Declining Proposals Above the High Cost Per Location Threshold

The process for declining a subgrantee proposal that exceeds the threshold where an alternative technology is less expensive.

BEAM will mandate that potential subgrantees provide a detailed breakdown of the costs associated with delivering services in the designated project area using the proposed technology (e.g., fiber, cable, fixed wireless, etc.). If a proposal surpasses the Extremely High Cost Per Location Threshold, negotiations will ensue with the prospective subgrantee to bring those costs below the threshold. As

part of these negotiations, the subgrantee may be required to conduct a partial or complete analysis of the expenses related to serving each location within the proposed project area using the designated technology.

If the prospective subgrantee is unable to reduce costs below the Extremely High Cost Per Location Threshold, alternative proposals for Other Last-Mile Broadband Deployment projects meeting the technical requirements of the BEAD program for Reliable Broadband Service and falling below the Extremely High Cost Per Location Threshold will be considered. If no such proposals are received, collaboration will occur with all potential subgrantees and other providers to find a solution ensuring service provision for unserved locations.

Process for Application Revisions above the High Cost Per Location

The plan for engaging subgrantees to revise their proposals and ensure locations do not require a subsidy.

BEAM's cost models have outlined a straightforward strategy to extend broadband access to all unserved and underserved locations in the State. BEAM aims to enhance transparency in its submission criteria for proposals from potential subgrantees, specifying the expected eligible locations. In accordance with NTIA requirements, BEAM will ensure that all prospective subgrantees understand that proposals with more than 20 percent served locations will not be approved.

Process for Selecting Applications with Less Costly Technology

The process for selecting a proposal that involves a less costly technology and may not meet the definition of Reliable Broadband.

Following the evaluation of all round one application, priority broadband projects to serve an area that exceeds the EHCT (Estimated High-Cost Threshold) calculated based on the average funding requested per location, BEAM will first consider whether there are any anomalies in the geography and other conditions of that area that justify a higher deployment cost threshold for priority projects. Following this evaluation, if no waiver is granted for exceeding the EHCT, and if no waiver is requested or granted for the 25% matching requirement, BEAM will then evaluate non-priority applications received for that area. If there are no non-priority applications for that area, BEAM will engage with priority applicants who submitted proposals to determine whether the costs exceeding the EHCT are reasonable and warrant an award above this threshold.

BEAM will only entertain non-priority broadband projects that may not meet the definition of reliable broadband if all priority broadband projects exceed the EHCT, and if the other conditions outlined above are not met by priority applicants.

02.04.11 Deployment Subgrantee Qualifications: Financial Capability

Describe how the Eligible Entity will ensure prospective subgrantees deploying network facilities meet the minimum qualifications for financial capability as outlined on pages 72 – 73 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. The response must:

a. Detail how the Eligible Entity will require prospective subgrantees to certify that they are qualified to meet the obligations associated with a Project, that prospective subgrantees will have available funds for all project costs that exceed the amount of the grant, and that prospective subgrantees will comply with all Program requirements, including service milestones. To the extent the Eligible Entity disburses funding to subgrantees only upon completion of the associated tasks, the Eligible Entity will require each prospective subgrantee to certify that it has and will continue to have sufficient financial resources to cover its eligible costs for the Project until such time as the Eligible Entity authorizes additional disbursements.

b. Detail how the Eligible Entity plans to establish a model letter of credit substantially similar to the model letter of credit established by the FCC in connection with the Rural Digital Opportunity Fund (RDOF).

c. Detail how the Eligible Entity will require prospective subgrantees to submit audited financial statements.

d. Detail how the Eligible Entity will require prospective subgrantees to submit business plans and related analyses that substantiate the sustainability of the proposed project.

During the application phase and at the conclusion of the application phase (but prior to executed award agreements) BEAM will collect the following to verify the financial capabilities of the applying entity to complete the project. The table below outlines the schedule on which the data will be collected:

Application Phase Data Collection

Financial Statements: Such as balance sheets, income statements, and cash flow statements. These statements should provide a clear picture of the subgrantee's financial performance and position.

Budgets: Detailed budgets for the Project, outlining expected income and expenses, as well as a breakdown of how grant funds will be utilized.

Audited Financial Statements: If available, audited financial statements from an independent certified public accountant (CPA) can provide additional assurance of financial accuracy and integrity. If audited financial statements are not available, please reference the procedures laid out in 2.4.11.c.

Certification of Financial Resources: The applicant is required to provide a certification stating that the applying entity has and will continue to have sufficient financial resources to cover its eligible costs for

the Project until BEAM authorizes additional disbursements.

Successful Awardees Data Collection Prior to Executed Award Agreements

Bank Statements, or equivalent documentation: To confirm that the subgrantee has sufficient cash or liquid assets to cover project costs exceeding the matching or cost sharing amount.



Required Model Letter of Credit

Detail how the Eligible Entity plans to establish a model letter of credit substantially similar to the model letter of credit established by the FCC in connection with the Rural Digital Opportunity Fund (RDOF).

Through a process substantially equivalent to the model letter of credit established under the Rural Digital Opportunity Fund (RDOF), BEAM will require applicants to provide a letter from an eligible bank (as defined in 47 C.F.R. § 54.804(c)(2)) in which the bank commits to issuing an irrevocable standby letter of credit to the applicant. This letter should specify the dollar amount of the letter of credit and the issuing bank's agreement to adhere to BEAD's model letter of credit terms and conditions. Before finalizing any subgrantee agreements, each applicant must secure an acceptable irrevocable standby letter of credit, approved by BEAM, and hired contractual support, equivalent to no less than 25% of the subaward amount. Along with the letter of credit, an opinion letter from legal counsel must be obtained, stating that, subject to standard assumptions, limitations, and qualifications, in a proceeding under Title 11 of the United States Code, 11 U.S.C. § 101 et seq. (the "Bankruptcy Code"), the bankruptcy court would not categorize the letter of credit or its proceeds as part of the winning subgrantee's bankruptcy estate under Section 541 of the Bankruptcy Code.

To assist applicants in complying with this requirement, BEAM will provide on its BEAD program website a checklist that will assist subgrantees in complying with the Model Letter of Credit requirements. Use of the checklist will not be mandated, but rather will serve as a resource for subgrantees.

On October 23, 2023, the NTIA issued a conditional programmatic waiver of the letter of credit requirements set forth in section IV.D.2.a.ii of the BEAD Program Notice of Funding Opportunity. The BEAM office will fully adopt the NTIA waiver and all of its provisions.

Required Audited Financial Statement

Detail how the Eligible Entity will require prospective subgrantees to submit audited financial statements.


BEAM will require that each prospective subgrantee submits financial statements from the prior fiscal year, audited by an independent certified public accountant as a required component of the


application process. If the prospective subgrantee has not undergone an audit as part of their regular business practices, instead of providing audited financial statements, they must submit unaudited financial statements from the previous fiscal year and certify their commitment to subsequently deliver financial statements from the preceding fiscal year that have been audited by an independent certified public accountant prior to execution of grant award. BEAM will only grant approval for the deployment or enhancement of network facilities when it is satisfied that the submitted documents establish the prospective subgrantee's financial capability concerning the proposed project.

Throughout deployment of the subgrants, BEAM will require audited financial statements to be submitted within 30 days of issuance of an opinion by the respective subgrantees' auditors. Submissions will be gathered through the monitoring portal throughout the life of the project and reviewed by BEAM and hired contractual support. Any deficiencies or findings referenced in the audited financial statements will require the subgrantee to provide BEAM with sufficient information to determine that the deficiency does not and will not impact the management of the BEAD grant.


Required Business Plans and Financial Analysis

Detail how the Eligible Entity will require prospective subgrantees to submit business plans and related analyses that substantiate the sustainability of the proposed project.

 BEAM will collect detailed business plans as required components of each application in a **pre-prescribed** format sufficient to enable BEAM to accomplish the following objectives.

 The project is sustainable.
The project demonstrates a need for grant funding in order to be sustainable.

The business plans will require applicants to provide the following information with BEAD Grant funding and without BEAD Grant funding:

 Payback period for the project as calculated in number of years.
Expected take rate for service in the area.
Estimated operating costs (inclusive of periodic network upgrades and maintenance) and revenues for a period of three years (incorporating the expected take rate).

The business plan will be evaluated by hired contractual support as well as BEAM staff to ensure that the project, as proposed, meets the minimum sustainability requirements outlined in section IV.2.D.iv of the BEAD NOFO.

02.04.11.01 Deployment Subgrantee Qualifications: Financial Capability

Submit application materials related to the BEAD subgrantee selection process, such as drafts of the Requests for Proposals for deployment projects, and narrative to crosswalk against requirements in the Deployment Subgrantee Qualifications section.

02.04.12 Deployment Subgrantee Qualifications: Managerial Capability

Describe how the Eligible Entity will ensure any prospective subgrantee deploying network facilities meets the minimum qualifications for managerial capability as outlined on pages 73 – 74 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. **The response must:**

- a. Detail how the Eligible Entity will require prospective subgrantees to submit resumes for key management personnel.
- b. Detail how it will require prospective subgrantees to provide a narrative describing their readiness to manage their proposed project and ongoing services provided.

The BEAM office will require that all applicants have the managerial capability prerequisites detailed in the BEAD NOFO. To ensure compliance, BEAM will request applicants to provide resumes for key management personnel and any essential project organizational charts, along with optional pertinent information about corporate relationships, parents, subsidiaries, and affiliates. Additionally, each applicant **is required to** furnish a narrative detailing their readiness to oversee a broadband services network. This narrative should encompass the experience and qualifications of the key management team for managing this project, their history in handling projects of a similar scale and scope, recent and upcoming organizational changes such as mergers and acquisitions, and relevant organizational policies. BEAM will only grant approval for network facility deployment or enhancement once it is satisfied that the submitted documents demonstrate the applicant's managerial capability in relation to the proposed project. Throughout the selection process, BEAM will ensure that applicants are **well-informed** about these regulations by conducting informational webinars, displaying a list of regulations on the BEAM website, and incorporating descriptions of the requirements into help text included in the online grant applications.

02.04.13 Deployment Subgrantee Qualifications: Technical Capability

Describe how the Eligible Entity will ensure any prospective subgrantee deploying network facilities meets the minimum qualifications for technical capability as outlined on page 74 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. **The response must:**

a. Detail how the Eligible Entity will require prospective subgrantees to certify that they are technically qualified to complete and operate the Project and that it is capable of carrying out the funded activities in a competent manner, including that it will use an appropriately skilled and credentialed workforce.

b. Detail how the Eligible Entity will require prospective subgrantees to submit a network design, diagram, project costs, build-out timeline and milestones for project implementation, and a capital investment schedule evidencing complete build-out and the initiation of service within four years of the date on which the entity receives the subgrant, all certified by a professional engineer, stating that the proposed network can deliver broadband service that meets the requisite performance requirements to all locations served by the Project.

BEAM will thoroughly evaluate all applicants aiming to deploy network facilities, ensuring that they meet the essential technical qualifications outlined in the BEAD NOFO. Applicants will be required to provide a certification of their technical competence to execute and manage the project efficiently, including the commitment to employ a skilled and credentialed workforce (as detailed in Section IV.C.1.e of the BEAD NOFO).

All applicants must submit a comprehensive package that includes a network design, diagram, project costs, build-out timeline, project milestones, and a capital investment schedule, all certified by a professional engineer or from an in-house engineer who designs and oversees the implementation of network designs in the regular course of business. Should an in-house engineer provide certification, please also provide details of such individual's expertise. This documentation should affirm that the proposed network can deliver broadband service meeting the necessary performance standards to all locations served by the Project, with an obligation to complete build-out and initiate service within four years from the contract commencement date or such earlier time as provided in the application.

BEAM will only grant approval for network facility deployment or enhancement when the materials submitted convincingly demonstrate the applicant's technical capabilities for the proposed project.

BEAM, at its discretion, may decline a proposal following such an analysis if another priority application exists within the same application area. To keep applicants well-informed, BEAM will conduct informational webinars, maintain a list of requirements on the BEAM website, and incorporates these criteria into grant applications, instructions, contract negotiation records, grant agreement terms and conditions, and subrecipient grant monitoring program requirements.

Applications failing to meet the minimum technical qualifications, as described on page 74 of the BEAD NOFO, will not be eligible for BEAD funding through BEAM.

02.04.14 Deployment Subgrantee Qualifications: Compliance with Laws

Describe how the Eligible Entity will ensure any prospective subgrantee deploying network facilities meets the minimum qualifications for compliance with applicable laws as outlined on page 74 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. **The response must:**

a. Detail how the Eligible Entity will require prospective subgrantees to demonstrate that they are capable of carrying out funded activities in a competent manner in compliance with all applicable **Federal, State, Territorial,** and local laws.

b. Detail how the Eligible Entity will require prospective subgrantees to permit workers to create worker-led health and safety committees that management will meet with upon reasonable request.


BEAM is dedicated to ensuring that applicants seeking to deploy network facilities in Mississippi undergo thorough evaluation to meet the essential qualifications regarding compliance with applicable laws, as delineated in the BEAD NOFO. Applicants will be required to provide evidence that they can proficiently carry out funded activities while adhering to all relevant federal, state, and local laws and regulations. Applicants will be asked to certify intent to comply as well as submit a narrative that demonstrates their commitment to compliance and understanding of the relevant federal, state, and local laws.

In order to assure applicant compliance with occupational safety and health requirements, BEAM will require that applicants describe their plans to enable workers to establish worker-led health and safety committees. The plans described in the application must outline that management will be required to meet with these committees upon reasonable request.

Throughout the selection process, BEAM will ensure that applicants are well-informed about these requirements. This will be achieved by conducting informational webinars, maintaining a list of requirements on the BEAM website, and including the necessary criteria in grant applications, instructions, contract negotiation records, grant agreement terms and conditions, and subrecipient grant monitoring program requirements. BEAM may also provide resources for applicants to utilize, such as guidance available on the Mississippi Department of Health's website.

Applications that do not meet the minimum qualifications for compliance with applicable laws, as detailed on page 74 of the BEAD NOFO, will not be eligible to receive BEAD funding through BEAM. In addition, BEAM recognizes that, at the time of drafting this Initial Proposal, NTIA is considering input on exemptions from the Office of Management and Budget's Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards that may facilitate the implementation of the BEAD Program. To address this uncertainty, BEAM will adopt and enact within the execution of its state level BEAD Program the final guidance published by NTIA.

02.04.15 Deployment Subgrantee Qualifications: Operational Capability

 Describe how the Eligible Entity will ensure any prospective subgrantee deploying network facilities meets the minimum qualifications for operational capability as outlined on pages 74 – 75 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. **The response must:**

a. Detail how the Eligible Entity will require prospective subgrantees to certify that they possess the operational capability to qualify to complete and operate the Project.


b. Detail how the Eligible Entity will require prospective subgrantees to submit a certification that they have provided a voice, broadband, and/or electric transmission or distribution service for at least the two (2) consecutive years prior to the date of their application submission or that they are a wholly owned subsidiary of such an entity and attest to and specify the number of years the prospective subgrantee or its parent company has been operating.

c. Detail how the Eligible Entity will require prospective subgrantees that have provided a voice and/or broadband service, to certify that it has timely filed Commission Form 477s and the Broadband DATA Act submission, if applicable, as required during this time period, and otherwise has complied with the Commission's rules and regulations.

d. Detail how the Eligible Entity will require prospective subgrantees that have operated only an electric transmission or distribution service, to submit qualified operating or financial reports, that it has filed with the relevant financial institution for the relevant time period along with a certification that the submission is a true and accurate copy of the reports that were provided to the relevant financial institution.

e. In reference to new entrants to the broadband market, detail how the Eligible Entity will require prospective subgrantees to provide evidence sufficient to demonstrate that the newly formed entity has obtained, through internal or external resources, sufficient operational capabilities.

Required Operational Qualifications

 Detail how the Eligible Entity will require prospective subgrantees to certify that they possess the operational capability to qualify to complete and operate the Project.

BEAM is dedicated to ensuring that applicants looking to deploy network facilities undergo a rigorous evaluation to meet the minimum operational capability standards outlined in the BEAD NOFO. BEAM

will require applicants to certify their operational competence to complete and manage the Project successfully.

Required Number of Years in Operation

Detail how the Eligible Entity will require prospective subgrantees to submit a certification that they have provided a voice, broadband, and/or electric transmission or distribution service for at least two (2) consecutive years prior to the date of their application submission or that they are a wholly owned subsidiary of such an entity and attest to and specify the number of years the prospective subgrantee or its parent company has been operating.

As required by Mississippi state law, an "Eligible broadband service provider" means any company, firm, corporation, limited liability company, partnership or association (i) that has been providing broadband service to at least one hundred (100) residences and businesses in Mississippi for at least three (3) consecutive years; (ii) is an electric power association's broadband affiliate operating pursuant to Section 77-17-1 et seq.; or (iii) that has demonstrated financial, technical, and operational capability in building and operating a broadband network." New entrants are eligible as described in section E.


During the application phase of the BEAD program, the applying entities will be required to certify with supporting documentation that they meet the Mississippi state law definition of an "Eligible broadband service provider".

Required Compliance with FCC Form 477, Rules, Regulation

Detail how the Eligible Entity will require prospective subgrantees that have provided a voice and/or broadband service, to certify that it has timely filed Commission Form 477s and the Broadband DATA Act submission, if applicable, as required during this time period, and otherwise has complied with the Commission's rules and regulations.

If the applicant has provided voice and/or broadband services, they will be required to certify that they have timely filed Commission Form 477s and adhered to the Broadband DATA Act submission, if applicable, as required during this time period. In cases of non-compliance with Commission rules or regulations or pending enforcement actions, civil litigation, or similar matters, applicants should provide an explanation.

Required Operating and Financial Reports for Electric Transmission or Distribution Services

 Detail how the Eligible Entity will require prospective subgrantees that have operated only an electric transmission or distribution service, to submit qualified operating or financial reports, that it has filed with the relevant financial institution for the relevant time period along with a certification that the submission is a true and accurate copy of the reports that were provided to the relevant financial institution.

For applicants operating solely an electric transmission or distribution service, they must submit

qualified operating or financial reports filed with the relevant financial institution for the applicable time period, along with a certification confirming the accuracy of these reports provided to the relevant financial institution.

Required Operational Capabilities for New Entrants


In reference to new entrants to the broadband market, detail how the Eligible Entity will require prospective subgrantees to provide evidence sufficient to demonstrate that the newly formed entity has obtained, through internal or external resources, sufficient operational capabilities.

New entrants to the broadband market must present sufficient evidence to demonstrate their newly formed entity's operational capabilities. Such evidence could include key personnel resumes, project descriptions, narratives from contractors, subcontractors, or other partners with relevant operational experience, or other equivalent evidence.

BEAM will ensure that applicants are well-informed about these requirements throughout the selection process. This will be accomplished through informational webinars, maintaining a list of regulations on the BEAM website, and incorporating these requirements into grant applications, instructions, grant agreement terms and conditions, as well as subrecipient grant monitoring program requirements.

Applications that do not meet the minimum qualifications for compliance with applicable **state and federal laws**, as detailed above and on pages 74-75 of the BEAD NOFO, will not be eligible for BEAD funding.

02.04.16 Deployment Subgrantee Qualifications: Ownership

Describe how the Eligible Entity will ensure that any prospective subgrantee deploying network facilities meets the minimum qualifications for providing information on ownership as outlined on page 75 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to  outline alignment with requirements for this section. The response must:

- a. **Detail how the Eligible Entity will require prospective subgrantees to provide ownership information consistent with the requirements set forth in 47 C.F.R. § 1.2112(a)(1)-(7).**

Required Supporting Ownership Information

Detail how the Eligible Entity will require prospective subgrantees to provide ownership information consistent with the requirements set forth in 47 C.F.R. § 1.2112(a)(1)-(7).

Applicants seeking to deploy network facilities in Mississippi are thoroughly scrutinized to meet the minimum qualifications for providing ownership information, as specified in the BEAD NOFO. BEAM will mandate each applicant to furnish ownership information consistent with the requirements outlined in 47 C.F.R. § 1.2112(a)(1)-(7). The ownership information, according to the Code of Federal Regulations, encompasses the following:

- ✖ Identifying the real party or parties with a vested interest in the applicant or application, including a comprehensive disclosure of the identity and relationship of individuals or entities directly or indirectly owning or controlling the applicant.
- ✖ Listing the name, address, and citizenship of any party holding 10 percent or more of the applicant's stock, regardless of it being voting or nonvoting, common, or preferred. This should also include the specific amount or percentage of the interest held.
- ✖ For limited partnerships, specifying the name, address, and citizenship of each limited partner whose interest in the applicant is 10 percent or greater, calculated based on the percentage of equity paid in or the percentage of distribution of profits and losses.
- ✖ For general partnerships, detailing the name, address, and citizenship of each partner, along with their share or interest participation in the partnership.
- ✖ For limited liability companies, listing the name, address, and citizenship of each member whose interest in the applicant is 10 percent or greater.
- ✖ Enumerating all parties with indirect ownership interests in the applicant, calculated by multiplying the ownership percentages in each link of the vertical ownership chain. This should account for interests of 10 percent or more, unless a particular link exceeds 50 percent or represents actual control, in which case it should be reported as a 100 percent interest.
- ✖✖ Identifying any FCC-regulated entity or applicant for an FCC license where the applicant or any of the parties mentioned in paragraphs (a)(1) through (a)(5) holds 10 percent or more of stock, voting or nonvoting, common, or preferred. This list should include a description of each entity's principal business and its relationship to the applicant.

Additionally, for applicants claiming eligibility for small business provisions or a rural service provider bidding credit, further disclosure is necessary, including listing officers, directors, affiliates, and other controlling interests, FCC-regulated entities with controlling interests, agreements or arrangements for spectrum capacity use, revenue information, eligibility for rural service provider bidding credit, and consortium information.

Applications that do not meet the minimum qualifications for providing ownership information, as outlined on page 75 of the BEAD NOFO, will not be eligible to receive BEAD funding through the BEAM office's BEAD Program.

02.04.17 Deployment Subgrantee Qualifications: Public Funding

Describe how the Eligible Entity will ensure any prospective subgrantee deploying network facilities meets the minimum qualifications for providing information on other public funding as outlined on pages 75 – 76 of the BEAD NOFO. If the Eligible Entity opts to provide application materials related to the BEAD subgrantee selection process, the Eligible Entity response may reference those to outline alignment with requirements for this section. **The response must:**

- a. Detail how it will require prospective subgrantees to disclose for itself and for its affiliates, any application the subgrantee or its affiliates have submitted or plan to submit, and every broadband deployment project that the subgrantee or its affiliates are undertaking or have committed to undertake at the time of the application using public funds.
- b. At a minimum, the Eligible Entity shall require the disclosure, for each broadband deployment project, of:
 - (a) the speed and latency of the broadband service to be provided (as measured and/or reported under the applicable rules),
 - (b) the geographic area to be covered,
 - (c) the number of unserved and underserved locations committed to serve (or, if the commitment is to serve a percentage of locations within the specified geographic area, the relevant percentage),
 - (d) the amount of public funding to be used,
 - (e) the cost of service to the consumer, and
 - (f) the matching commitment, if any, provided by the subgrantee or its affiliates.

Disclosure of Existing or Future Publicly Funded Projects

Detail how it will require prospective subgrantees to disclose for itself and for its affiliates, any application the subgrantee or its affiliates have submitted or plan to submit, and every broadband deployment project that the subgrantee or its affiliates are undertaking or have committed to undertake at the time of the application using public funds.


Applicants intending to deploy network facilities in Mississippi must disclose information regarding other public funding, as defined in the BEAD NOFO. BEAM will require each applicant to reveal, for

both them and their affiliates, any applications they have submitted or plan to submit, along with every broadband deployment project they or their affiliates are currently or have committed to undertake in Mississippi using public funds. These public funds include those provided under various legislative acts such as the Families First Coronavirus Response Act, the CARES Act, the Consolidated Appropriations Act, 2021, or the American Rescue Plan of 2021, as well as any federal Universal Service Fund high-cost program (e.g., RDOF, CAF), or any Eligible Entity or local universal service or broadband deployment funding program.

Detailed Information for Existing or Future Publicly Funded Projects

At a minimum, the Eligible Entity shall require the disclosure, for each broadband deployment project, of: (a) the speed and latency of the broadband service to be provided (as measured and/or reported under the applicable rules), (b) the geographic area to be covered, (c) the number of unserved and underserved locations committed to serve (or, if the commitment is to serve a percentage of locations within the specified geographic area, the relevant percentage), (d) the amount of public funding to be used, (e) the cost of service to the consumer, and (f) the matching commitment, if any, provided by the subgrantee or its affiliates.

For each broadband deployment project, applicants will be required to disclose:

-  a. The speed and latency of the broadband service to be provided, measured and/or reported under applicable rules.
- b. The geographic area to be covered.
- c. The number of unserved and underserved locations committed to serve, or the relevant percentage if the commitment is to serve a percentage of locations within the specified geographic area.
- d. The amount of public funding to be utilized.
- e. The cost of service to the consumer.
- f. Any matching commitment, if provided by the applicant or its affiliates.

BEAM will ensure that applicants are informed about these requirements both before and during the selection process through informational webinars, maintaining a list of requirements on the BEAM office's BEAD Program website, and integrating these criteria into grant applications, instructions, contract negotiation records, grant agreement terms and conditions, as well as subrecipient grant monitoring program requirements.

Applications failing to meet the minimum qualifications for providing information on other public funding, as outlined on pages 75-76 of the BEAD NOFO, will not be eligible for BEAD funding through the BEAM office's BEAD Program.

02.05.01 Non-Deployment Subgrantee Selection Process Integrity

Describe a fair, open, and competitive subgrantee selection process for eligible non-deployment activities. Responses must include the objective means, or **process**, by which objective means will be developed, for selecting subgrantees for eligible non-deployment activities. If the Eligible Entity does not intend to subgrant for non-deployment activities, indicate such.

At present, based on the current prevailing universal service cost model described in the Five-Year Action Plan, the **state** of Mississippi's funding allocation will be entirely devoted to deployment activities.

BEAM plans to explore non-deployment programming to the extent there is remaining funding available following the final **round** of awards for deployment activities. In the event there is existing available funding for non-deployment activities, BEAM aims to support on-going efforts within the state that align with the goals of the BEAD program. **BEAM will develop objective means for establishing a fair and open competitive process for non-deployment activities if remaining funds are available after deployment fund obligations and eligible entity obligations (as described in section 2.6.1) are considered.**

A scoring rubric will be established in advance and available to applicants prior to the application window

Third party contractor's support will assist the BEAM Office in vetting and addressing any potential conflicts of interest

The process will be open through publication of information regarding the non-deployment programming

02.05.02 Non-Deployment Initiative Preferences

Describe the Eligible Entity's plan for the following:

- a. How the Eligible Entity will employ preferences in selecting the type of non-deployment initiatives it intends to support using BEAD Program fund;**
- b. How the non-deployment initiatives will address the needs of residents within the jurisdiction;**
- c. The ways in which engagement with localities and stakeholders will inform the selection of eligible non-deployment activities;**
- d. How the Eligible Entity will determine whether other uses of the funds might be more effective in achieving the BEAD Program's equity, access, and deployment goals.**

Mississippi is one of fourteen states without a carrier-neutral internet exchange point (IXP). To truly harness the potential for Mississippians provided by BEAD funding, Mississippi requires at least one, and ideally four IXPs—regionally distributed across the state.

An Internet exchange point (IXP) is a physical location through which Internet infrastructure companies connect with each other. These locations allow network providers to share transit outside their own network. By having a presence inside an IXP location, network operators of all types—including local ISPs—can shorten their path to Cloud, content, and IP transit networks, thereby reducing latency, improving round-trip time. IXPs also foster a competitive marketplace for transport and IP transit competition, reducing costs for local ISPs and other networks.

Improved Connectivity: More IXPs strategically placed throughout the state would reduce the reliance on long-distance data routes, thereby enhancing internet connectivity for both urban and rural communities. This would translate into faster, more reliable access for individuals and businesses across the state.

Economic Growth: Expanding IXPs would encourage more tech companies to establish a presence in the state, attracted by the promise of low-latency, high-speed internet connections. This influx of tech companies could drive economic growth, create jobs, and foster innovation.

Disaster Resilience: Mississippi is prone to natural disasters, particularly hurricanes and tropical storms. Distributed IXPs can significantly improve disaster resilience by ensuring that data can be rerouted efficiently during network disruptions. This safeguards critical services, emergency communications, and data continuity, making Mississippi more resilient in the face of adverse events.

Data Security: Cybersecurity is a top concern in the digital age. Developing neutral IXP facilities in Mississippi will facilitate the exchange of data traffic within the state, keeping data traffic local that can stay local—thereby reducing the need for some data to traverse long distances, and decreasing the vulnerability to cyberattacks. This strengthens data security and privacy for individuals and businesses.

Digital Inclusion: Rural and underserved communities often face significant connectivity challenges. Developing IXPs regionally will help bridge the digital divide by making high-quality, low-latency internet access more readily available and affordable in rural and remote areas. Higher quality connectivity not only empowers residents with better educational and economic opportunities but also attracts businesses looking for diverse talent pools in areas where the cost of living is low, and quality of life is high.

Fostering Innovation: IXPs can serve as hubs for innovation and collaboration. By facilitating efficient data exchange between research institutions, startups, and established tech companies, Mississippi can foster a more vibrant and dynamic tech ecosystem.

Strategic Partners: Specifically identified areas of need and partnerships include, but are not limited to,

research institutions at the University of Mississippi (Oxford), Mississippi State University (Starkville), Jackson State University (Jackson – Capital City), and the University of Southern Mississippi (Hattiesburg or Coast Gulf Park Campus).

IXPs are critical infrastructure components that facilitate the efficient exchange of internet traffic and play a pivotal role in enhancing network performance, reducing latency, and bolstering cybersecurity. Developing one or more carrier neutral IXPs within Mississippi is not just a matter of convenience but a strategic imperative. By investing in this critical infrastructure, Mississippi can unlock its full digital potential, drive economic growth, enhance resilience, support new and enhanced last-mile service availability, and ensure that all residents benefit from the opportunities that the BEAD funding program has to offer—making invested BEAD dollars go further.

Open-Access Conduit

Mississippi is exploring the need for a fiber transport system consisting of open-access conduit that could be used by State Agencies such as the Mississippi Department of Transportation or Mission (the State's research and education network) with open micro ducts administered on a carrier-neutral, open-access basis. Multi-tenant optical inline amplifier (ILA) facilities that are deployed along the route would contain sufficient rack space to support future network deployments in the open micro ducts, and they will serve as neutral interconnection points for local ISPs, community anchor institutions, and other transport networks along the route. This project would enable new competitive backhaul/transport options across Mississippi that have never before been possible – lowering costs, increasing available bandwidth, and improving network resiliency for local ISPs, other network operators, governmental agencies, and community anchor institutions. This project would also significantly improve the economics and performance of BEAD-funded last-mile deployments into unserved and underserved areas.

Digital Skills and Accessibility Activities

Digital skills and accessibility related activities are more specifically enumerated in Mississippi's State Digital Skills and Accessibility Plan. In the plan, BEAM describes activities that it will fund with State Capacity Grant funding. Some activities will be performed by BEAM. The majority of activities will be sub-granted. Depending on funding available following deployment to unserved and underserved locations, and community anchor institutions, BEAM may supplement the activities performed by BEAM funded by the State Capacity Grant. These activities may include the following:

Promoting ACP awareness and enrollment

Public and community engagement around digital skills and accessibility, including reports, dashboards, and presentations

Conducting program evaluation

Libraries

BEAM has recognized the Mississippi Library Commission and public libraries across the state as one of the most prominent networks of assets to the state and its citizens. Local libraries throughout the state serve as primary and secondary internet access points for many Mississippians. They also serve as hubs for digital skills and digital literacy training. If any funds for non-deployment activities remain, BEAM is eager to help support the Library Commission and public libraries with BEAD funds to help serve their local communities through the execution of digital skills programming. Depending upon the level of funding available, if any, BEAM will accept applications from individual libraries within the state network. Applications will need to narratively describe the community need, the objectives, and the outcomes that their proposed programming will accomplish. Applications will be reviewed and awarded to individual libraries that demonstrate the most significant need and align the response to that need most effectively.

Mississippi State Extension Service

Following the need for local support through the Library Commission, BEAM will then explore other areas of need for BEAD funds throughout the state by continuing the partnership with Mississippi State Extension Service to help fund existing programs that align with the goals of the BEAD program.

02.05.03 Ensure Coverage Prior to Non-Deployment Projects

Describe the Eligible Entity's plan to ensure coverage to all unserved and underserved locations prior to allocating funding to non-deployment activities.

BEAM's deployment mapping process will take every measure to ensure that every legitimized BSL in the state of Mississippi will be served with high-speed, reliable internet access as required by the BEAD program. As stated, in 2.5.1 the state of Mississippi anticipates that BEAD funding will be entirely devoted to deployment activities.

Mississippi is in the process of making preliminary determinations for the Capital Projects Fund Program. This process should be complete by the time Mississippi begins the BEAD challenge process in early 2024. Mississippi prioritized CPF projects with minimal public investment and anticipates a higher than expected reach to unserved locations. The CPF awards, along with several decisions by certain providers to receive enhanced ACAM, will have a positive impact on the costs required for universal service. BEAM will continue to refine data and reevaluate whether funding remains for non-deployment activities.

BEAM will utilize the following processes to determine funds can be used for non-deployment uses.

Data-Driven Decision-Making:

The process begins with a foundation of accurate and comprehensive data. By diligently compiling various datasets, including public and proprietary information, Mississippi ensures a precise understanding of the location of every Broadband Serviceable Location (BSL) in the state.

Continuous Adjustment and Recalculation:

The commitment to ongoing adjustment and recalculation reflects a dynamic and responsive approach. Key milestones, including the challenge process, subgrantee projections in round 1, and changes in funding availability, are systematically integrated into the process. This ensures that the deployment strategy remains adaptable to evolving conditions and emerging opportunities.

This process will be used to iteratively assess the anticipated progress towards universal coverage and if at any point, it is determined that excess funds will be available, then BEAM will pursue non-deployment projects and plans as described in 2.5.1.

02.05.04 Non-Deployment Subgrantee Qualifications

Describe how the Eligible Entity will ensure prospective subgrantees meet the general qualifications outlined on pages 71 – 72 of the BEAD NOFO.

The application process, if funding is available, will be designed to gather the requisite information regarding detailed plans from applicants clearly demonstrating their capabilities to execute on program objectives. This will include narrative based responses describing detailed forward-looking plans and historical execution of similar programs. The application process will collect resumes of individuals instrumental in the execution of the program, budgets, and the applicant's assessment of the measurable objectives of the program. Through review of this information, the BEAM office will make awards as funding is available to only qualified applicants that satisfy the needs described in Section 2.5.2.

02.06.01 Eligible Entity Implementation Activities

Describe any initiatives the Eligible Entity proposes to implement as the recipient without making a subgrant, and why it proposes that approach.

BEAM may implement some initiatives and carry out some activities related to the BEAD program without making a subgrant. These initiatives and activities can be divided into two categories: administrative activities and non-deployment activities related to digital equity. BEAM will not

implement any deployment-related activities as the recipient without making a subgrant.

BEAM will leverage funding from multiple sources to carry out various initiatives, including those listed above. Weaving funding from BEAD, if available after addressing unserved, underserved, and CAI locations, with other funding sources will lead to greater program outcomes. In many cases, BEAM will already be implementing some non-deployment activities funded under the State Digital Equity Capacity Grant and supplementing funding for those activities with BEAD Program funds, if available, to allow BEAM to scale and broaden impacts.

02.07.01 Labor Standards and Protection: Subgrantees Compliance with Federal Labor and Employment Laws

Describe the specific information that prospective subgrantees will be required to provide in their applications and how the Eligible Entity will weigh that information in its competitive subgrantee selection processes. Information from prospective subgrantees must demonstrate the following and must include information about contractors and subcontractors:

- a. Prospective subgrantees' record of past compliance with federal labor and employment laws, which:
 - i. Must address information on these entities' compliance with federal labor and employment laws on broadband deployment projects in the last three years;
 - ii. Should include a certification from an Officer/Director- level employee (or equivalent) of the prospective subgrantee evidencing consistent past compliance with federal labor and employment laws by the subgrantee, as well as all contractors and subcontractors; and
 - iii. Should include written confirmation that the prospective subgrantee discloses and instances in which it or its contractors or subcontractors have been found to have violated laws such as the Occupational Safety and Health Act, the Fair Labor Standards Act, or any other applicable labor and employment laws for the preceding three years.
- b. Prospective subgrantees' plans for ensuring compliance with federal labor and employment laws, which must address the following:
 - i. How the prospective subgrantee will ensure compliance in its own labor and employment practices, as well as that of its contractors and subcontractors, including:

1. Information on applicable wage scales and wage and overtime payment practices for each class of employees expected to be involved directly in the physical construction of the broadband network; and

2. How the subgrantee will ensure the implementation of workplace safety committees that are authorized to raise health and safety concerns in connection with the delivery of deployment projects.

Past Compliance with Federal Labor and Employment Laws

Prospective subgrantees' record of past compliance with federal labor and employment laws;

BEAM will require applicants to submit the following information during the application period of the competitive subgrantee selection process:

- ✖ Applicants' record of past compliance with federal labor and employment laws, which:
 - ✖ Must address information on these entities' compliance with federal labor and employment laws on broadband deployment projects in the last three years;
 - ✖ Should include a certification from an Officer/Director-level employee (or equivalent) of the applicant evidencing consistent past compliance with federal labor and employment laws by the applicant, as well as all contractors and subcontractors; and
 - ✖ Should include written confirmation that the applicant discloses any instances in which it or its contractors or subcontractors have been found to have violated laws such as the Occupational Safety and Health Act, the Fair Labor Standards Act, or any other applicable labor and employment laws for the preceding three years.

BEAM will request prospective subgrantees to provide documentation that displays their compliance with Federal labor and employment laws on past broadband deployment projects. The documentation requested will be for the prospective subgrantee's compliance records covering a minimum of the last three years. BEAM will also request a prospective subgrantee's historical uses in contracting and subcontracting arrangements, including but not limited to staffing plans. Specifically, BEAM will request examples of each of the prospective subgrantee's past contractors' and subcontractors' performance on projects similar to the proposed project.

During the evaluation process, each prospective subgrantee will be scored based on the documentation and information gathered using the criteria below in regard to fair labor and employment practices:

- ✖ Applicants who provide sufficient documentation to demonstrate a history of full compliance with all relevant Federal labor and employment laws and certify their plan to comply with these laws on the proposed project will receive a set score of 15 points.
- ✖ Applicants who are categorized as new entrants and are unable to provide sufficient documentation to demonstrate a history of full compliance with all relevant Federal labor and employment laws must

present a clear, forward-looking certification to robust labor and employment standards and protections, as defined in the BEAD NOFO guidelines. BEAM will assess this certification and assign a score ranging from 0 to 15 points on an all or nothing basis.

Applicants who only provide a certification of intent to comply with Federal Labor laws will receive a score of 7.5 points crediting them with the intent to comply, but not awarding full points for clearly demonstrating a plan and history of compliance.

Applicants who do not provide a plan nor certification regarding compliance with Federal Labor laws will not receive any points.

Ensuring Compliance with Federal Labor and Employment Laws

Prospective subgrantees' plans for ensuring compliance with federal labor and employment laws;

BEAM will require applicants to submit the following information during the application period of the competitive subgrantee selection process. As stated in the scoring criteria of Section A, BEAM will mandate prospective subgrantees to submit a comprehensive written plan that entails the applicant's strategy for ensuring compliance with federal labor and employment laws, particularly focusing on the requirements specified in the BEAD NOFO (projects exceeding five million in total project costs) and federal regulations such as the Davis-Bacon Act.

As a required element of the application, applicants' plans for ensuring compliance with federal labor and employment laws, must address the following:

How the applicant will ensure compliance in its own labor and employment practices, as well as that of its contractors and subcontractors;

Information on applicable wage scales and wage and overtime payment practices for each class of employees expected to be involved directly in the physical construction of the broadband network; and
How the subgrantee will ensure the implementation of workplace safety committees that are authorized to raise health and safety concerns in connection with the delivery of deployment projects.

Explicit information on applicable wage scales and overtime payment practices for categories of laborers or employees who are expected to be directly involved in the physical construction of the broadband network. For example, does the applicant plan to utilize applicable wage determinations and prevailing wage rates in the proposed project area, as well as overtime compensation rates specified under the Contract Work Hours and Safety Standards Act?

Commitment Plans for Federal Labor and Employment Laws

Prospective subgrantees' plans for committing to strong labor standards and protections for the project workforce (including contractors and subcontractors) and how these plans will be incorporated into binding legal commitments.

During the competitive subgrantee selection process, BEAM will make the determination that information submitted suffices for the purposes of the federal BEAD requirements on the basis of completeness, unless otherwise noted in this document. Provided this requirement is met, applicants will receive full scoring credit under the Fair Labor Practices scoring criteria.

BEAM expects prospective subgrantees to incorporate strong labor standards and protections into their project applications as specified in the BEAD NOFO guidelines. While these items will not constitute legally binding commitments, they will serve as essential criteria in the selection process.

Applicants will be required to submit the following to demonstrate their commitment to robust labor standards and protections for the project workforce, including contractors and subcontractors:

An explanation of how they intend to integrate strong labor standards, which may include local project labor agreements and community benefit agreements, competitive wage offerings, and respect for existing agreements.

Assurance of providing quality jobs as per the Economic Development Administration's Good Jobs Challenge definition.

Disclosure of any prior legal determinations related to wage or labor mandates.

A description of any planned subcontracting arrangement.

BEAM does not intend to mandate the incorporation of specific labor and employment regulations into legally binding commitments for subgrantees, contractors, and subcontractors, beyond what is explicitly required by the BEAD NOFO. BEAM will emphasize the importance of these requirements through various means, including informational webinars, website postings, grant application instructions, grant agreement terms, and subrecipient grant monitoring program requirements. Clear instructions will be provided to subgrantees on where and how to provide detailed descriptions of their compliance with these regulations, which will be considered during the scoring process.

02.07.02 Labor Standards and Protection: Additional Measures

Describe in detail whether the Eligible Entity will make mandatory for all subgrantees (including contractors and subcontractors) any of the following and, if required, how it will incorporate them into binding legal commitments in the subgrants it makes:

- a. Using a directly employed workforce, as opposed to a subcontracted workforce;
- b. Paying prevailing wages and benefits to workers, including compliance with Davis-Bacon and Service Contract Act requirements, where applicable, and collecting the required certified

payrolls;

c. Using project labor agreements (i.e., pre-hire collective bargaining agreements between unions and contractors that govern terms and conditions of employment for all workers on a construction project);

d. Use of local hire provisions;

e. Commitments to union neutrality;

f. Use of labor peace agreements;

g. Use of an appropriately skilled workforce (e.g., through Registered Apprenticeships or other joint labor-management training programs that serve all workers, particularly those underrepresented or historically excluded);

h. Use of an appropriately credentialed workforce (i.e., satisfying requirements for appropriate and relevant pre-existing occupational training, certification, and licensure); and

i. Taking steps to prevent the misclassification of workers.

As the state of Mississippi is a right-to-work state, BEAM does not plan to incorporate any of the following items into legally binding commitments for subgrantees (including contractors and subcontractors) outside of what is explicitly required in the BEAD NOFO:

Using a directly employed workforce, as opposed to a subcontracted workforce;

Paying prevailing wages and benefits to workers, including compliance with Davis-Bacon and Service Contract Act requirements, where applicable, and collecting the required certified payrolls;

Using project labor agreements (i.e., pre-hire collective bargaining agreements between unions and contractors that govern terms and conditions of employment for all workers on a construction project);

Use of local hire provisions;

Commitments to union neutrality;

Use of labor peace agreements;

Use of an appropriately skilled workforce (e.g., through Registered Apprenticeships or other joint labor-management training programs that serve all workers, particularly those underrepresented or historically excluded);

Use of an appropriately credentialed workforce (i.e., satisfying requirements for appropriate and relevant pre-existing occupational training, certification, and licensure); and

Taking steps to prevent the misclassification of workers.

Subgrantees must comply with only those Federal and Labor Employment laws required by the BEAD

NOFO.

02.08.01 Prospective Subgrantees' Workforce Plan

Describe how the Eligible Entity and their subgrantees will advance equitable workforce development and job quality objectives to develop a skilled, diverse workforce. At a minimum, this response should clearly provide each of the following, as outlined on page 59 of the BEAD NOFO:

- a. A description of how the Eligible Entity will ensure that subgrantees support the development and use of a highly skilled workforce capable of carrying out work in a manner that is safe and effective;
- b. A description of how the Eligible Entity will develop and promote sector-based partnerships among employers, education and training providers, the public workforce system, unions and worker organizations, and community-based organizations that provide relevant training and wrap-around services to support workers to access and complete training (such as child care, transportation, mentorship, etc.), to attract, train, retain, or transition to meet local workforce needs and increase high-quality job opportunities;
- c. A description of how the Eligible Entity will plan to create equitable on-ramps into broadband-related jobs, maintain job quality for new and incumbent workers engaged in the sector; and continually engage with labor organizations and community-based organizations to maintain worker voice throughout the planning and implementation process; and
- d. A description of how the Eligible Entity will ensure that the job opportunities created by the BEAD Program and other broadband funding programs are available to a diverse pool of workers.

Safe and Effective Environment for Skilled Workforce

A description of how the Eligible Entity will ensure that subgrantees support the development and use of a highly skilled workforce capable of carrying out work in a manner that is safe and effective.

In Mississippi's pursuit of a robust and highly skilled broadband workforce, BEAM has developed a comprehensive strategy to ensure that subgrantees actively contribute to the development and utilization of such a workforce, characterized by safety and effectiveness in their operations.

Central to this strategy is a focus on structured training programs and credentialing. Subgrantees will be strongly encouraged to engage in systematic training initiatives that equip their workforce with the necessary skills and knowledge to perform broadband-related tasks safely and effectively. This information will be collected through the application phase and utilized once awards are made. This

will involve collaboration with Accelerate Mississippi, Community Colleges, and industry experts to design and deliver tailored training programs.

Mississippi's approach also emphasizes the importance of industry standards and best practices. Subgrantees will be expected to adhere to recognized industry standards for safety and effective work procedures. This includes compliance with safety regulations and quality control measures.

Develop and Promote Sector Based Partnerships

A description of how the Eligible Entity will develop and promote sector-based partnerships among employers, education and training providers, the public workforce system, unions and worker organizations, and community-based 18 organizations that provide relevant training and wrap-around services to support workers to access and complete training (such as child care, transportation, mentorship, etc.), to attract, train, retain, or transition to meet local workforce needs and increase high-quality job opportunities

In 2020, Governor Reeves and the Mississippi Legislature established the new Office of Workforce Development, branded as AccelerateMS. The charter legislation (SB2564) charged AccelerateMS with a mission to review existing programs; provide information, guidance, and significant influence on how funding sources should be utilized for the purposes of workforce development; and serve as the coordinating entity for all workforce development stakeholder agencies in Mississippi. AccelerateMS serves the people and businesses of Mississippi by developing and deploying workforce strategies to connect individuals with transformative, high-paying careers. By leveraging resources and partnering with organizations that hold complementary missions, AccelerateMS effectuates positive change, creating sustained individual, community, and statewide economic prosperity. BEAM's utilization and partnership with Accelerate Mississippi will be the best way to ensure a highly skilled workforce which is both safe and effective.

Additionally, BEAM is committed to providing resources for ongoing skill development through the state's community college network and within the institutions of higher learning (IHLs). This commitment to ongoing education ensures that the workforce remains adaptable and effective in an ever-changing broadband landscape.

Creating Equitable On-Ramps

A description of how the Eligible Entity will plan to create equitable on-ramps into broadband-related jobs, maintain job quality for new and incumbent workers engaged in the sector; and continually engage with labor organizations and community-based organizations to maintain worker voice throughout the planning and implementation process

BEAM remains committed to providing support to key stakeholders with the aim of reducing barriers to entry and ensuring a continuous dedication to amplifying workers' voices throughout the entire life

cycle of broadband-related projects and ongoing service operations. BEAM intends to collaborate with community colleges, IHLs, and communities throughout the state to identify specific barriers to entry and develop tailored, localized solutions for all BEAD-related projects. Additionally, BEAM will utilize data-driven insights from its Digital Skills and Accessibility Survey to gain a deeper understanding of workforce development challenges and implement targeted actions to bridge the digital divide.

Ensure Job Availability

A description of how the Eligible Entity will ensure that the job opportunities created by the BEAD Program and other broadband funding programs are available to a diverse pool of workers.

There is a commitment to collaboration with educational institutions and training providers. Together, training programs will be designed to be inclusive, catering to people from various backgrounds and demographics. In essence, Mississippi's strategy is not solely focused on expanding broadband infrastructure; it is about nurturing a diverse, skilled workforce prepared for success.

Adhering to BEAD NOFO requirements for Mississippi-funded projects, BEAM strives to ensure that prospective applicants comply, at a minimum, with equal opportunity non-discrimination laws. Additionally, BEAM encourages applicants to promote job opportunities widely through targeted outreach and diverse communication platforms

02.08.02 Prospective Subgrantees' Highly Skilled Workforce

Describe the specific information that will be required of prospective subgrantees to demonstrate a plan for ensuring that the project workforce (including contractors and subcontractors) will be an appropriately skilled and credentialed workforce. These plans should include the following:

- a. The ways in which the prospective subgrantee will ensure the use of an appropriately skilled workforce, e.g., through Registered Apprenticeships or other joint labor-management training programs that serve all workers;
- b. The steps that will be taken to ensure that all members of the project workforce will have appropriate credentials, e.g., appropriate and pre-existing occupational training, certification, and licensure;
- c. Whether the workforce is unionized;
- d. Whether the workforce will be directly employed or whether work will be performed by a subcontracted workforce; and

e. The entities that the proposed subcontractor plans to contract and subcontract with in carrying out the proposed work.

If the project workforce or any subgrantee's, contractor's, or subcontractor's workforce is not unionized, the subgrantee must also provide with respect to the non-union workforce:

a. The job titles and size of the workforce (FTE positions, including for contractors and subcontractors) required to carry out the proposed work over the course of the project and the entity that will employ each portion of the workforce;

b. For each job title required to carry out the proposed work (including contractors and subcontractors), a description of:

i. Safety training, certification, and/or licensure requirements (e.g., OSHA 10, OSHA 30, confined space, traffic control, or other training as relevant depending on title and work), including whether there is a robust in-house training program with established requirements tied to certifications, titles; and

ii. Information on the professional certifications and/or in-house training in place to ensure that deployment is done at a high standard.

In alignment with BEAD NOFO guidelines for projects securing BEAD funding in Mississippi, potential applicants, including contractors and subcontractors, must showcase the technical and operational capabilities essential for the successful execution of BEAD-funded projects. As part of this criterion, applicants must also devise a well-defined plan to ensure the presence of a suitably skilled and credentialed workforce. This workforce encompasses potential applicants, their contractors, and subcontractors actively engaged in the physical construction and deployment of broadband infrastructure.

NTIA stipulates that prospective applications must furnish the following details:

1. Strategies employed by the prospective subgrantee to ensure the utilization of an appropriately skilled workforce, such as commitments to recruit new graduates from Mississippi.
2. Measures taken to guarantee that all members of the project workforce possess suitable credentials, including relevant preexisting occupational training, certification, and licensure.
3. Confirmation of the workforce's unionization status.
4. Clarification on whether the workforce will be directly employed or if work will be carried out by a subcontracted workforce.
5. A comprehensive list of entities that the proposed subgrantee intends to contract and subcontract with for executing the proposed work.

For non-unionized workforces, NTIA requires additional information, including:

1. Job titles and workforce size, expressed in full-time equivalent positions, for contractors and subcontractors required to execute the proposed work throughout the project. This should specify the entity that will employ each portion of the workforce.

2. For each job title necessary for the proposed work, a detailed description including:

- Safety training, certification, and/or licensure requirements (e.g., OSHA 10 and 30, confined space, traffic control), along with information on whether there is a robust in-house training program with established requirements tied to certifications or titles.

- Insights into professional certifications and/or in-house training ensuring deployment is conducted to a high standard.

02.09.01 Minority Business Enterprises (MBEs), Women's Business Enterprises (WBEs), and Labor Surplus Firms Inclusion Strategy

Describe the process, strategy, and the data tracking method(s) the Eligible Entity will implement to ensure that minority businesses, women-owned business enterprises, and labor surplus area firms are recruited, used, and retained when possible.

The BEAM office is committed to ensuring the recruitment and retention of diverse suppliers and contractors throughout the BEAD program. The two main pillars of the BEAM office's strategy are as follows:

Outreach and Education:

Inform prospective applicants that the subgrantee selection process is open to all qualified providers and MBE/WBE and labor surplus area Internet Service Providers are specifically invited to apply for funding

Inform subgrantees about their responsibilities to solicit minority and women business enterprises when they are potential sources.

- Organize webinars or workshops to connect subgrantees with diverse suppliers.

Collaborate with Mississippi Development Authority and the Minority Business Development Center in their support of minority and WBEs and to widely distribute their maintained lists to selected subgrantees.

- Data Collection and Tracking:

Incorporate MBE/WBE and labor surplus area firms reporting elements into the periodic reporting collected from awarded subgrantees.

Regularly review and verify supplier data to ensure accuracy and compliance with certification criteria.

02.09.02 MBEs, WBEs, and Labor Surplus Firms Inclusion Affirmative Steps

Certify that the Eligible Entity will take all necessary affirmative steps to ensure minority businesses, women's business enterprises, and labor surplus area firms are used when possible, including the following outlined on pages 88 – 89 of the BEAD NOFO:

- a. Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- b. Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- c. Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- d. Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;
- e. Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and
- f. Requiring subgrantees to take the affirmative steps listed above as it relates to subcontractors.

Yes

02.10.01 Cost and Barrier Reduction Steps

Identify steps that the Eligible Entity has taken or will take to reduce costs and barriers to deployment.

Responses may include but not be limited to the following:

- a. Promoting the use of existing infrastructure;
- b. Promoting and adopting dig-once policies;
- c. Streamlining permitting processes;
- d. Streamlining cost-effective access to poles, conduits, easements; and

e. Streamlining rights of way, including the imposition of reasonable access requirements.

Mississippi has been proactive in establishing a favorable regulatory environment for the efficient use of existing infrastructure for broadband deployment projects. During the 2019 Regular Session of the Mississippi Legislature the state enacted the Mississippi Broadband Enabling Act, §§ 77-17-1 through 77-17-15, Mississippi Code of 1972, annotated (approved January 30, 2019), which among other things, specifically authorized Mississippi's rural electric cooperatives to operate broadband networks on their electric delivery systems via affiliated or non-affiliated service providers.

Mississippi has long been a leader in the One Call (call before you dig) initiative through Mississippi 811. Mississippi 811 serves as the state's clearinghouse for member utility location and identification requests. Safety and damage prevention are central strategies for reducing the cost of deployment for any utility or communication provider. Timely and accurate location of infrastructure prevents damage and costly repairs. Mississippi 811's call before you dig program is a service to industry and the public. Additionally, through the Mississippi Underground Facilities Damage Prevention Board, the state monitors industry best practices and educates industry participants on implementation strategies to avoid costly damage to existing infrastructure.

Finally, the Mississippi Department of Transportation (MDOT) has already implemented significant streamlining and efficiency initiatives in its permitting process for Electric Utilities and Communications providers. MDOT maintains an updated and robust one-stop website containing all necessary permit applications and forms, along with contacts for technical assistance. MDOT allows existing utilities to execute Master Agreements for more efficient processing of individual permit applications. MDOT works closely with the electric utility and communications industry in permitting right-of-way access and use on the public highways throughout the state. Additionally, MDOT maintains seven (7) district offices dispersed throughout the state with designated permitting assistance personnel in each office.

02.11.01 Climate Risks Assessment

Describe the Eligible Entity's assessment of climate threats and proposed mitigation methods. If an Eligible Entity chooses to reference reports conducted within the past five years to meet this requirement, it may attach this report and must provide a crosswalk narrative, with reference to page numbers, to demonstrate that the report meets the five requirements below. If the report does not specifically address broadband infrastructure, provide additional narrative to address how the report relates to broadband infrastructure.

At a minimum, this response **should** clearly do each of the following, as outlined on pages 62 – 63 of the BEAD NOFO:

- a. Identify the geographic areas that should be subject to an initial hazard screening for current and projected future weather and climate-related risks and the time scales for performing such

screenings;

b. Characterize which projected weather and climate hazards may be most important to account for and respond to in these areas and over the relevant time horizons;

c. Characterize any weather and climate risks to new infrastructure deployed using BEAD Program funds for the 20 years following deployment;

d. Identify how the proposed plan will avoid and/or mitigate weather and climate risks identified; and

e. Describe plans for periodically repeating this process over the life of the Program to ensure that evolving risks are understood, characterized, and addressed, and that the most up-to-date tools and information resources are utilized.

Mississippi is no stranger to natural disasters. Historic disasters such as the Mississippi River Flood of 1927, and Hurricane Katrina in 2005, headline a consistent experience of flood, ice, wind, and tornadoes. Indeed, according to Mississippi's State Climatologist, our "...climate rarely seems to bring 'average' conditions." The Gulf Coast of Mississippi is especially susceptible to rising sea levels resulting from climate change. Given this history, Mississippi maintains a comprehensive approach to risk assessment and mitigation through a combined effort of numerous state agencies and research facilities.

The Mississippi Emergency Management Agency (MEMA), an executive agency of the State of Mississippi, is responsible for developing, maintaining, and implementing the State's Comprehensive Emergency Management Plan (CEMP), and the State of Mississippi Standard Mitigation Plan. (SMP) (Both plans may be viewed by clicking the following link www.msema.org/about/hazard-mitigation/.) The State of Mississippi Standard Mitigation Plan ("Plan") is the work product of the State of Mississippi Hazard Council, which was created in 2007 and is comprised of various State Agency Officers and Directors, along with County and City organizations throughout the State. The Council's work and methodology ensures public participation from all areas of the State of Mississippi and represents the State's most comprehensive risk assessment and mitigation efforts.

From the Executive Summary of the Plan (p. i):

This Plan is the result of a monumental effort from stakeholders, staff, and technical advisors to complete a document that updates the 2018 Standard Mitigation Plan. The updated Plan addresses natural/manmade hazards throughout the state with the expressed purpose of "saving lives and reducing future losses" in anticipation of future events.

Mississippi's Standard Mitigation Plan has been completed with a high degree of public participation...

“Mitigation actions” that can be implemented to complete projects that are technically feasible, cost effective and environmentally sound are included within the Plan. It is a “living document” that will be constantly reviewed and updated thus reflecting current strategies and providing opportunities for evaluating the effectiveness of the projects and programs.

BEAM submits the Plan as partial satisfaction of the requirements set forth above. BEAM will continue to monitor, review, and participate as necessary in MEMA's efforts to maintain and update the CEMP and SMP. Additionally, the following narrative will address how the Plan's risk assessment relates to broadband infrastructure.

Section One (1) of The Plan identifies the following hazards (p. 1-1):

- Flooding
- Extreme Winter Weather
- Earthquakes
- Wildfires
- Hurricanes
- Tornadoes
- Dam and Levee Failures
- Climate Change/Sea Level Rise
- Cyberterrorism

Except for Cyberterrorism, all the above hazards are arguably affected by climate-related risks.

Section Three (3) of the Plan conducts a risk assessment for each of the identified hazards. Historical and forecasted data is provided for each hazard, including identification of affected geographic regions of the state. Maps, tables, and figures are included for analysis.

Section 3.11 specifically addresses “Sea Level Rise-Climate Control Risk Assessment.” Beginning on p. 3-313 the Plan discusses the hazard of projected sea-level rise due to climate change and concludes “[...]a]s the waterline creeps up along coasts, storms and flooding will happen more frequently. The closer the sea is to the communities, the easier it is for floods to reach homes, roads, and towns.” (p. 3-315). Additionally, the Plan predicts that

“... flooding during storms (sometimes referred to as storm surge) will reach farther inland as sea level rises. During hurricanes and other large storms, like Nor'easters, strong winds push water beyond the normal high tide mark. They are likely to get worse as sea level rises due to increased flooding danger across the board. Additionally, as the ocean warms from climate change, it will provide more energy to hurricanes, potentially making them stronger. According to NOAA, over the next century, hurricanes are estimated to grow between 2 and 11 percent stronger on average.”

(Id.). The effect on Mississippi's three (3) coastal counties, Hancock, Harrison, and Jackson is depicted in Figures 3.11.3, 3.11.4 and 3.11.5.

The Plan assesses the State's vulnerability from Climate/Sea Level Rise as follows:

Based on sheer geography, coastal Mississippi will be more susceptible to sea level rise. More than 99% of people, property, and infrastructure in harm's way in Mississippi are in Jackson, Hancock, and Harrison counties. Within the State of Mississippi, some \$1.5 billion in property value plus more than 14,500 people living in more than 8,000 homes sit on 131 square miles of land less than 6 feet above the local high tide line. The exposure of populations with high social vulnerability is disproportionately high, 50% greater than would be expected by chance alone. Of the exposed high vulnerability population, more than 60% live in just one zip code, in Bay St. Louis. Compared to six feet, more than double the total property, population and housing sit on land below 10 feet: \$3.7 billion and nearly 44,000 people living in more than 22,000 homes, across 227 square miles. (Citations omitted). (p. 3-318). BEAM will screen for the specific threat of climate change/sea level rise throughout the entire Mississippi coastal region, which encompasses the following three (3) counties: Hancock, Harrison, and Jackson.

Broadband infrastructure is susceptible to damage from all the above identified hazards throughout its useful life. The useful life of the broadband infrastructure is the relevant time horizon to assess the identified hazards. All areas of the state are at risk of damage from the identified hazards, except that sea level rise will likely affect only the coastal region. Proper planning and construction can mitigate the damage. Mississippi's utility industry includes investor-owned, cooperative, and municipal systems, serving electric, water/wastewater, and communications customers. Though not traditionally considered a "utility," numerous cable and non-traditional communications companies also operate in the broadband market. Construction design for each market participant should account for the hazards associated with the project's geographic location. At a minimum, construction should conform to "best practices" as required by the National Electric Safety Code (NESC), and/or the construction specifications of the USDA Rural Utilities Service. All subgrantees should employ grid "hardening" construction practices and consider buried fiber where feasible. Grid "hardening" includes, but is not limited to pole replacement programs, key infrastructure reinforcement such as double-guying, elevating key infrastructure, vegetation management, and device redundancy. Infrastructure co-location is also encouraged to the extent that it reduces the likelihood of damage from natural disasters. (BEAM recognizes that co-location may be counterproductive in some instances).

Finally, rapid, and safe service restoration following natural disasters requires planning and coordination. Mississippi's Comprehensive Emergency Management Plan (CEMP) describes the State's approach to disaster response and includes a base plan and sections specifically related to utility and communication service restoration. All subgrantees must comply with the requirements of the CEMP applicable to their operations. Specifically, CEMP ESF #2 Communications Annex, and ESF #3 Public Works and Engineering Annex must be followed. Additionally, all subgrantees are encouraged to enter into mutual aid agreements with utility partners to ensure a rapid and safe emergency service restoration response. Mutual aid agreements are encouraged to include order of restoration strategies which minimize the destruction of broadband infrastructure.

02.11.01.01 Climate Reports

As an optional attachment, submit any relevant reports conducted within the past five years that may be relevant for this requirement and will be referenced in the text narrative above.

02.12.01 Low-Cost Broadband Service Option

Describe the low-cost broadband service option(s) that must be offered by subgrantees as selected by the Eligible Entity, including why the outlined option(s) best services the needs of residents within the Eligible Entity's jurisdiction. At a minimum, this response must include a definition of low-cost broadband service option that clearly addresses the following, as outlined on page 67 of the BEAD NOFO:

- a. All recurring charges to the subscriber, as well as any non-recurring costs or fees to the subscriber (e.g., service initiation costs);
- b. The plan's basic service characteristics (download and upload speeds, latency, any limits on usage or availability, and any material network management practices);
- c. Whether a subscriber may use any Affordable Connectivity Benefit subsidy toward the plan's rate; and
- d. Any provisions regarding the subscriber's ability to upgrade to any new low-cost service plans offering more advantageous technical specifications.

In Mississippi, numerous households face difficulties in accessing high-speed, affordable internet due to barriers such as access, affordability, lack of digital skills, and limited availability of devices. The state of Mississippi views the federally mandated low-cost broadband service option as an important component in making affordable broadband universally available for all Mississippians. While prioritizing affordable access, BEAM recognizes that it must balance affordability with another critical priority; sustainability of broadband infrastructure. Mississippi already faces substantial obstacles in attracting private investment in broadband infrastructure due to the low density of residences combined with relatively low household income levels in areas of the State most likely to receive BEAD funding. The low-cost service option in BEAM's implementation of BEAD takes these competing priorities into account and is designed to best meet the needs of Mississippi's residents now and in the future.

Therefore, the federally mandated low-cost service option has been designed to meet the dual goals of affordability and sustainability for Mississippi. Specifically, this means that access to services on new BEAD-funded infrastructure must be affordable to households that would not otherwise be able to afford broadband, while simultaneously ensuring that the low cost requirements do not act as an impediment to the participation in the BEAD grant process or the financial viability and long-term sustainability of BEAD-funded infrastructure projects.

The ideal low-cost service option would be one with plans available to qualifying, low-income households that meet, or exceed, 100/20 Mbps offered at a monthly rate of \$30. However, the State recognizes that broadband providers in remote and rural areas face higher service delivery costs that may jeopardize sustainable future operations.

To responsibly meet this objective, Mississippi adopts a low-cost service option range of \$30 - \$65 per month, with flexibility to ensure financial viability and broad participation in its broadband expansion initiative.

The state's approach includes:

An end-user effective rate of \$30 per month for a service offering at, or above, 100 Mbps download and 20 Mbps upload, with maximum round-trip latency of 100 milliseconds.

BEAD applicants and subgrantees may request modifications to this rate based on evidence of financial non-viability, but the rate must always be at or below the initial \$65 Not to Exceed level, subject to annual adjustments based on the Consumer Price Index, with a maximum annual increase of 3.0% as described below.

Is available to all households eligible for the Affordable Connectivity Program, or a successor program as modified by Congress.

In the event that the FCC during the period of this obligation revises the federal definition of broadband to a performance level that is higher than the 100/20 standard required currently for BEAD, that new federal definition shall become the required performance standard.

Allows the end user to apply the ACP benefit to the service price and encourages customers to participate in the ACP or successor program(s).

The specified price may be adjusted once per year based on the to the Consumer Price Index, up to a maximum annual upward adjustment of 3.0% or the prior year level, as defined by the U.S. Bureau of Labor Statistics, beginning with an adjustment in the first new calendar year after the date of approval of this Initial Proposal Volume 2 by NTIA.

Is not subject to data caps, installation or other non-recurring charges, surcharges or usage-based performance reductions, and is subject only to the same acceptable use policies to which subscribers to all other broadband internet access service plans offered to home subscribers by the participating subgrantee must adhere.

In the event the provider later offers a low-cost plan with higher speeds downstream and/or upstream, permits Eligible Subscribers that are subscribed to a low-cost broadband service option to upgrade to the new low-cost offering at no cost.

To make households within subgrant service areas aware of the availability of the low-cost plan via public awareness campaign activities, as mandated by NOFO IV.C.2.c.iv.

BEAM has developed this low-cost service option framework after thorough consideration of the BEAD

program's deployment and affordability objectives. This option takes into consideration increased broadband subsidy program enrollment while offering a price/performance tier that meets FCC's affordable broadband definition for low-income households.

02.12.02 Affordable Connectivity Program Participation

Certify that all subgrantees will be required to participate in the Affordable Connectivity Program or any successor program.

Yes

02.13.01 Middle-Class Affordability Plan Description

Describe a middle-class affordability plan that details how high-quality broadband services will be made available to all middle-class families in the BEAD-funded network's service area at reasonable prices. This response must clearly provide a reasonable explanation of how high-quality broadband services will be made available to all middle-class families in the BEAD-funded network's service area at reasonable prices.

BEAD Proposal Scoring Criteria

The BEAM office has elected to allocate 25% of prospective subgrantee's application score towards providing affordable service options. This commitment to fund projects that ensure the middle class can afford high speed internet access.

Affordable Service Options

Subgrantees of the BEAD program will be required to offer to eligible customers the Low-Cost Service Option. Subgrantees will be strongly encouraged to consider affordability for middle class households in establishing the pricing post deployment.

The required low-cost option detailed in Section 2.12, the encouragement to consider middle class affordability, and prioritization of projects that favor affordability should not be considered rate regulations imposed by BEAM, but rather, represent BEAD program requirements.

02.14.01 20 Percent of Funds Usage

Describe the Eligible Entity's planned use of any funds being requested, which must address the following:

- a. If the Eligible Entity does not wish to request for Initial Proposal funds, it must indicate no funding requested and provide the rationale for not requesting funds.

b. If the Eligible Entity is requesting less than or equal to 20 percent of funding allocation during the Initial Proposal round, it must detail the amount of funding requested for use upon approval of the Initial Proposal, the intended use of funds, and how the proposed use of funds achieves the statutory objective of serving all unserved / underserved locations.

c. If the Eligible Entity is requesting more than 20 percent (up to 100 percent) of funding allocation during the Initial Proposal round, it must detail the amount of funding requested for use upon approval of the Initial Proposal, the intended use of funds, how the proposed use of funds achieves the statutory objective of serving all unserved / underserved locations, and provide rationale for requesting funds greater than 20 percent of the funding allocation.

BEAM requests 100% of funding be made available to the state of Mississippi under the BEAD allocation. The BEAM and its industry, state and local government, and community partners stand ready to implement BEAD funding and deliver access to this vital infrastructure to unserved and underserved communities across the state. Mississippi's internet service providers are prepared with the technical expertise to begin expanding broadband networks to the remaining unserved and underserved with BEAD funding on an expedited schedule – ahead of the BEAD Program's timeline of Final Proposal approval. As described in Section 2.4, BEAM is preliminarily expecting that the deployment project subgrantee selection process will consume the entirety of the State of Mississippi's BEAD Allocation, and as such in order to provide the budget certainty necessary to obligate subawards prior to approval of the Final Proposal, the State is requesting that the entire allocation be obligated with this funding request.

Administrative activities may include the following:

Implementation of the challenge process;

Implementation of the subgrantee selection process;

Activities related to outreach, such as webinars for prospective subgrantees;

Activities related to subgrant agreement, contracting, funding disbursement;

Activities related to subgrantee monitoring, reporting, and compliance;

Activities related to program evaluation and public outreach; and

Activities related to program closeout.

— — —

02.14.02 Initial Proposal Funding Request Amount

Enter the amount of the Initial Proposal Funding Request. If not requesting Initial Proposal funds, enter '\$0.00.'


\$1,203,561,563,.05


02.14.03 20 Percent of Funds Requirements

Certify that the Eligible Entity will adhere to BEAD Program requirements regarding Initial Proposal funds usage. If the Eligible Entity is not requesting funds in the Initial Proposal round and will not submit the Initial Proposal Funding Request, note "Not applicable."

Yes

02.15.01 Laws Related to Subgrant Competition

a. Disclose whether the Eligible Entity will waive all laws of the Eligible Entity concerning broadband, utility services, or similar subjects, whether they predate or postdate enactment of the Infrastructure Act that either (a) preclude certain public sector providers from participation in the subgrant competition or (b) impose specific requirements on public sector entities, such as limitations on the sources of financing, the required imputation of costs not actually incurred by the public sector entity, or restrictions on the service a public sector entity can offer 

 b. If the Eligible Entity will not waive all such laws for BEAD Program project selection purposes, identify those that it will not waive (using the Excel attachment) and their date of enactment and describe how they will be applied in connection with the competition for subgrants. If there are no applicable laws, note such.

The Mississippi BEAM office will not waive any State laws.

House Bill 1029, The Broadband Expansion and Accessibility of Mississippi (BEAM) Act, was enacted during the 2022 Regular Session of the Mississippi Legislature. It is codified at §§77-19-1 through 77-19-17 of the Mississippi Code of 1972, Annotated, (approved and eff from and after April 13, 2022).

The BEAM Act created the Mississippi BEAM Office to serve as the State's broadband office, and coordinator of all grant funds for broadband expansion. Part of the BEAM Act includes the definition and criteria for "Applicants" and "Eligible Broadband Service Provider" which may preclude, or otherwise affect, public sector providers from participating in the subgrant competition.

02.15.01.01 Laws Related to Subgrant Competition List

As a required attachment only if the Eligible Entity will not waive laws for BEAD Program project selection purposes, provide a list of the laws that the Eligible Entity will not waive for BEAD Program project selection purposes, using the Eligible Entity Regulatory Approach template provided.

02.16.01 Requirements Compliance Certification



Certify the Eligible Entity's intent to comply with all applicable requirements of the BEAD Program, including the reporting requirements.


Yes

02.16.02 Subgrantee Accountability

Describe subgrantee accountability procedures, including how the Eligible Entity will, at a minimum, employ the following practices outlined on page 51 of the BEAD NOFO:

- a. Distribution of funding to subgrantees for, at a minimum, all deployment projects on a reimbursable basis (which would allow the Eligible Entity to withhold funds if the subgrantee fails to take the actions the funds are meant to subsidize);
- b. The inclusion of clawback provisions (i.e., provisions allowing recoupment of funds previously disbursed) in agreements between the Eligible Entity and any subgrantee;
- c. Timely subgrantee reporting mandates; and
- d. Robust subgrantee monitoring practices.

 In accordance with the requirements outlined in 2 CFR Part 200 Subpart D and the  specific compliance criteria set forth by the BEAD Program, BEAM has implemented robust accountability procedures within its program to ensure subgrantee compliance with all applicable Program requirements.

 **Distribution of Funding**
Distribution of funding to subgrantees for, at a minimum, all deployment projects on a reimbursable basis (which would allow the Eligible Entity to withhold funds if the subgrantee fails to take the actions the funds are meant to subsidize)

PLEASE NOTE: This is subject to change should NTIA formally adopt the proposed guidance regarding Fixed Amount Subawards.

Pending OMB approval of NTIA's Request for Exceptions from the Requirements of the Uniformed

Guidance allowing the use of fixed amount subawards in the BEAD program, BEAM intends to follow a Major Milestone reimbursement timeline. In the event these exceptions are not granted, BEAM intends to operate the BEAD program on a reimbursement basis allowing subgrantees to submit claims for reimbursement of incurred costs monthly.

Clawback Provisions

The inclusion of clawback provisions (i.e., provisions allowing recoupment of funds previously disbursed) in agreements between the Eligible Entity and any subgrantee

To safeguard the responsible use of public funds, BEAM includes clawback provisions in its agreements with subgrantees. These provisions serve as a safeguard mechanism, allowing BEAM to recover funds previously disbursed in the event of noncompliance with BEAD Program or CFR requirements. Subgrantees who fail to meet their legal and contractual responsibilities risk forfeiting the funds they have received, providing an additional incentive for compliance.

Subgrantee Reporting

Timely subgrantee reporting mandates.

BEAM enforces strict reporting requirements for subgrantees. Subgrantees are obligated to provide regular and comprehensive reports that cover various aspects of their projects. These reports include but are not limited to data on project progress, financial expenditures, civil rights compliance, equity indicators, community engagement efforts, geospatial data, workforce plans, and information about subcontracted entities. This transparency in reporting ensures that BEAM has access to all necessary information to assess subgrantee performance and compliance.

D. Subgrantee Monitoring

Robust Subgrantee Monitoring Practices

BEAM has established a comprehensive monitoring framework to maintain accountability throughout the project lifecycle. This framework includes the following components:

Compliance Team: BEAM employs contractors with expertise in accounting, audit principles, Uniform Guidance, and federal grant funding to form a Compliance Team. This team conducts thorough reviews to ensure that subgrantees comply with both financial and programmatic requirements.

Technical Field Auditors: Contractors with technical experience in broadband deployment serve as Technical Field Auditors. They conduct technical reviews of project progress, perform field audits, and conduct comparative and technical analysis to ensure that projects adhere to the terms stipulated in Grant Agreements. This technical oversight helps ensure the quality and effectiveness of broadband deployment.

Ultimate Programmatic and Financial Oversight: Mississippi designates the Department of Finance and Administration Office of Broadband Expansion and Accessibility of Mississippi (DFA BEAM) to provide

ultimate programmatic and financial oversight and approval. This step ensures that subgrantees adhere to program requirements and that the funds are used efficiently and effectively.

In summary, BEAM places a strong emphasis on accountability and compliance to ensure the responsible utilization of public funds and the successful achievement of program objectives under the BEAD Program. These procedures are not only a demonstration of BEAM's commitment to program integrity but also serve as a deterrent to noncompliance. In cases of subgrantee noncompliance, BEAM is prepared to take appropriate actions, including the clawback of funds, to uphold the highest standards of accountability and fulfill its obligations under the law. These measures underscore BEAM's dedication to ensuring the success of broadband expansion and access initiatives.

02.16.03 Subgrantee Civil Rights and Nondiscrimination

Certify that the Eligible Entity will account for and satisfy authorities relating to civil rights and nondiscrimination in the selection of subgrantees.

Yes

02.16.04 Subgrantee Cybersecurity and Supply Chain Risk Management Compliance

Certify that the Eligible Entity will ensure subgrantee compliance with the cybersecurity and supply chain risk management requirements on pages 70 - 71 of the BEAD NOFO to require prospective subgrantees to attest that:

Cybersecurity

- 1) The prospective subgrantee has a cybersecurity risk management plan (the plan) in place that is either:
 - a. operational, if the prospective subgrantee is providing service prior to the award of the grant; or
 - b. ready to be operationalized upon providing service, if the prospective subgrantee is not yet providing service prior to the grant award;
- 2) The plan reflects the latest version of the National Institute of Standards and Technology (NIST) Framework for Improving Critical Infrastructure Cybersecurity (currently Version 1.1) and the standards and controls set forth in Executive Order 14028 and specifies the security and privacy controls being implemented;
- 3) The plan will be reevaluated and updated on a periodic basis and as events warrant; and

4) The plan will be submitted to the Eligible Entity prior to the allocation of funds. If the subgrantee makes any substantive changes to the plan, a new version will be submitted to the Eligible Entity within 30 days.

Supply Chain Risk Management

1) The prospective subgrantee has a SCRM plan in place that is either:

- a. operational, if the prospective subgrantee is already providing service at the time of the grant; or
- b. ready to be operationalized, if the prospective subgrantee is not yet providing service at the time of grant award;

2) The plan is based upon the key practices discussed in the NIST publication NISTIR 8276, Key Practices in Cyber Supply Chain Risk Management: Observations from Industry and related SCRM guidance from NIST, including NIST 800-161, Cybersecurity Supply Chain Risk Management Practices for Systems and Organizations and specifies the supply chain risk management controls being implemented;

3) The plan will be reevaluated and updated on a periodic basis and as events warrant; and

4) The plan will be submitted to the Eligible Entity prior to the allocation of funds. If the subgrantee makes any substantive changes to the plan, a new version will be submitted to the Eligible Entity within 30 days. The Eligible Entity must provide a subgrantee's plan to NTIA upon NTIA's request.

Yes

Volume II Waivers

Upload an attachment(s) detailing the waiver request(s) for the requirements related to Volume II. Please draft the waiver request(s) using the Waiver Request Form template.

02.17.01 Volume II Public Comment

Describe the public comment period and provide a high-level summary of the comments received during the Volume II public comment period and how they were addressed by the Eligible Entity. The response must demonstrate:

- a. The public comment period was no less than 30 days; and
- b. Outreach and engagement activities were conducted to encourage feedback during the public comment period.

The Public Comment Period held by the BEAM office ran from November 1, 2023 - December 1, 2023. BEAM sent out an email to all ISPs as well as all email addresses subscribed to the BEAM email listing alerting everyone and encouraging feedback. Any meetings held with stakeholders during the public comment period touched on the importance of public comment and encouraging anyone in various entities networks to provide their insight for consideration.

02.17.02 Volume II Supplemental Materials

As an optional attachment, submit supplemental materials to the Volume II submission and provide references to the relevant requirements. Note that only content submitted via text boxes, certifications, and file uploads in sections aligned to Initial Proposal requirements in the NTIA Grants Portal will be reviewed, and supplemental materials submitted here are for reference only.

Mississippi BEAD Initial Proposal Volume II F-12-21-2023 05-12-MISSISSIPPI DEPARTMENT OF FINANCE & ADMI-GRN-000080.docx
