Resource Index

CURRENTLY AVAILABLE RESOURCES FOR SBOS RELATED TO THE BROADBAND EQUITY, ACCESS, AND DEPLOYMENT PROGRAM

NTIA

CONTENTS

1.0 GENERAL BEAD

Utilize this section to find information and guidance related generally to the BEAD program.

GENERAL BEAD RESOURCES		
Document Name	**Description**	**Tags**
BEAD NOFO *Guidance Document*	BEAD Notice of Funding Opportunity	NOFO, General
BEAD FAQs Version 8 *FAQs*	Frequently asked questions about the BEAD program	FAQs, General
BEAD 101 Webinar *Webinar*	This webinar provides an overview of the BEAD program	Webinar, General, 101
BEAD Letter of Credit Waiver *Policy Notice*	Notice of 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.	Waiver, Letter of Credit, LOC
BEAD Programmatic Waiver of Tribal Lands *Policy Notice*	BEAD Programmatic Waiver of BEAD NOFO Tribal Lands definition	Waiver, Tribal, Tribal Lands, Programmatic
Office Creation Checklist *Checklist*	Includes a recommended checklist of steps to establish a state high-speed internet office to be used in tandem with the Office Creation Toolkit.	Office Creation, General, Checklist
Office Creation Toolkit *Toolkit*	Includes examples and best practices for each step in the Office Creation checklist.	Office Creation, Toolkit, General
IFA Overview Webinar *Webinar*	This webinar provides an overview of the Bipartisan Infrastructure Law's high-speed internet programs. It will help applicants understand the grant programs and prepare them to write high-quality applications.	Webinar, General, IFA, Internet for All, BIL

NTIA Bipartisan Infrastructure Law (BIL) Internet for All Signage Guidance *Document*	Guidance for BIL Grantees on Internet for All Signage.	Signage, Guidance, General, IFA
BEAD-DE Alignment Guide *Document*	Guidance on how the BEAD and State Digital Equity Plan requirements work together and how to coordinate activities for both programs	DE, Digital Equity, Plan Alignment

2.0 INITIAL PROPOSAL

Utilize this section to find information and guidance related to the Initial Proposal.

INITIAL PROPOSAL RESOURCES		
Document Name	**Description**	**Tags**
GENERAL		
[BEAD Initial Proposal Tricky Topics](#) *Document*	This document provides additional guidance on some of the more complex concepts and requirements of the BEAD Initial Proposal.	Initial Proposal, IP, Tricky Topics
[BEAD FAQs Version 8](#) *FAQs*	Frequently asked questions about the BEAD program.	FAQs, General
[Initial Proposal Guidance](#) *Guidance*	Guidance on the Initial Proposal Volume I and Volume II.	IP, Initial Proposal, Guidance
VOLUME I		
[BEAD Challenge Process Policy Notice](#) *Policy Notice*	NTIA Challenge Process Policy Notice	Challenge Process, CP, Policy, PN
[Introduction to the Challenge Process Webinar](#) *Webinar*	Webinar introducing the Challenge Process and its requirements to Eligible Entities, as well as roles and responsibilities during the Challenge Process.	Challenge Process, CP, Webinar
[BEAD Challenge Process Redlined Update](#) *Document*	Challenge Process Policy Notice redlined updates.	Challenge Process, PN, Redlined
[BEAD Model Challenge Process](#) *Template*	Provides templates and CSV files for Eligible Entities to use when designing their Challenge Process and submitting their Initial Proposals.	Challenge Process, Model, CP, IP, Template, Excel
[Challenge and Rebuttal API](#) *Guidance*	Provides an example API specification for the BEAD Challenge and Rebuttal process	Challenge Process, Technology, CP, API, Eligible Entity

	that can be used by BEAD Eligible Entities when designing the intake mechanism/portal for accepting challenges and rebuttals.	
Challenge Process Cost Guidance *Guidance*	This document provides key information on how an Eligible Entity can prepare for or fund execution of its Challenge Process through various methods with BEAD funds.	Challenge Process, Cost, Guidance, Pay, Funds
BEAD Eligible Entity Challenge Process Portal Considerations *Document*	This resource provides guidance on the types of activities an Eligible Entity BEAD Challenge Process portal tool should support on challenges and rebuttals.	Challenge Process, CP, Technology, Portal, Considerations
FCC Mapping and the Challenge Webinar *Webinar*	Webinar discussing the FCC BDC process including timing and the challenge process for both the Broadband Serviceable Location Fabric and the Provider Availability Data. Includes a glossary of definitions.	Challenge Process, FCC, Maps, BSL, Webinar, Broadband Data Collection, CP
FCC Mapping Overview and Guide *Guidance*	Two-page overview including why mapping matters for the BEAD program, an FCC timeline, and FCC Broadband Data Collection resources.	Challenge Process, FCC, Maps, BDC, Guidance, CP
BEAD Challenge/Notice Comments Received *Document*	Public list of comments received, and changes made on the Challenge Process Policy Notice.	Challenge Process, Policy, CP, Comments
BEAD Challenge Process Results Submission Guidance *Guidance*	Guidance on how to submit Challenge Process Results in NGP.	Challenge Process, Results, Submission, Guidance, NTIA Grants Portal, CP
Challenge Results Submission Templates *Template*	These CSV templates are intended to support Eligible Entities in implementing the challenge results submission data format requirements. Additional guidance detailing the data formats of these files can be	Challenge Process, Results, Submission, Template

	found in the BEAD Challenge Process Policy Notice.	
BEAD Challenge Process Data Submission *Webinar*	This webinar covers additions to NTIA's challenge policy notice on how to submit challenge process results. It also covers how to derive the final list of locations and CAIs, including post-challenge deduplication	Challenge Process, Data Submission, Webinar
Understanding "True-Up" in the Challenge Process *Document*	This resource helps Eligible Entities understand what the 'true-up' process is and when they should do it	Challenge Process, Map, 'True-Up', True Up
BEAD Model Challenge Speed Test Checklist *Checklist*	This checklist covers all the required information needed for a speed test to qualify as a valid challenge	Challenge Process, Speed Test, Modification, Checklist, CP, Model
VOLUME II		
BEAD Subgrantee Qualifications *Guidance*	Guidance that provides an overview of the BEAD NOFO requirements and how to evaluate the qualifications of prospective BEAD subgrantees.	Subgrantee Selection, SGS, Guidance, Qualifications
BEAD Subgrantee Selection Primer *Document*	An overview resource to support BEAD program Eligible Entities in creating and implementing a competitive subgrantee selection process.	Subgrantee Selection, SGS, Primer
Low-Cost Broadband Service Option FAQs *FAQs*	Frequently asked questions about the Low-Cost Service Option requirement.	Low-Cost Service Option, FAQs, LCSO, Low-Cost Service Option
Common Misconceptions: Non-Traditional Broadband Providers *Document*	This document addresses common misconceptions that may dissuade non-traditional providers from participating in the BEAD program.	Misconceptions, Non-Traditional Providers, Broadband
Hiring MBEs, WBEs, and Labor Surplus Area Firms *Document*	This guide provides strategies and best practices for contracting with these entities.	Contractors, MBE, WBE, Grants Administration, Minority Business, Women-Owned

		Business, Labor Surplus, Women, Minority
BEAD Subgrantee vs. Subcontractor Guidance *Checklist*	This checklist provides BEAD Eligible Entities with considerations to determine if a partnering entity should be considered a subgrantee or a subcontractor.	Subgrantee, Subcontractor, Checklist, Grants Administration
[FORTHCOMING] Subgrantee Agreement Best Practices *Document*	A resource to help Eligible Entities develop their subgrantee agreements following BEAD requirements.	Subgrantee Agreements, Best Practices
BEAD Obligations for Subgrantees Deploying Network Projects *Document*	A resource to help potential BEAD applicants understand the obligations they would be required to fulfill if they were to win a BEAD-funded project.	Subgrantee Selection, SGS, Subgrantee, Deployment, Obligations
INITIAL PROPOSAL FUNDING REQUEST (IPFR)		
Consolidated Initial Proposal Funding Request (IPFR) BEAD Budget Form *Template*	Template for the Consolidated Budget Form submitted with the IPFR.	IPFR, Budget, Grants Administration, Budget Form
Consolidated Initial Proposal Funding Request (IPFR) Budget Samples *Document*	Sample of what the Consolidated Budget Form could look like.	IPFR, Budget, Samples, Grants Administration, CBF
Introduction to the Initial Proposal Funding Request (IPFR) for Eligible Entities *Webinar*	This webinar covers the IPFR including eligible uses of funds and roles and responsibilities.	IPFR, Webinar, Grants Administration, Eligible Entity
BEAD Initial Proposal Funding Request (IPFR) Guidance *Guidance*	IPFR guidance for Eligible Entities.	IPFR, Guidance, Grants Administration, Eligible Entity
Initial Proposal Funding Request (IPFR) One-Pager *Document*	This resource provides BEAD Eligible Entities streamlined guidance for submitting an IPFR to NTIA.	IPFR, Grants Administration, Submission
Initial Proposal Funding Request (IPFR) - Project Narrative Samples *Document*	These sample documents illustrate the three broad categories of project narrative	IPFR, Samples, Grants Administration, Project Narrative

requests: 100% of funds
requested, between 20% and 99%
of funds requested, and under
20% of funds requested.

3.0 CHALLENGE PROCESS

Utilize this section to find information and guidance related to the BEAD Challenge Process.

CHALLENGE PROCESS RESOURCES		
Document Name	**Description**	**Tags**
DESIGN		
BEAD Model Challenge Process Template	Provides templates and CSV files for Eligible Entities to use when designing their Challenge Process and submitting their Initial Proposals.	Challenge Process, Model, CP, IP, Template, Excel
Challenge and Rebuttal API *Guidance*	Provides an example API specification for the BEAD Challenge and Rebuttal process that can be used by BEAD Eligible Entities when designing the intake mechanism/portal for accepting challenges and rebuttals.	Challenge Process, Technology, CP, API, Rebuttal
Challenge Process Cost Guidance *Guidance*	This document provides key information on how an Eligible Entity can prepare for or fund execution of its Challenge Process through various methods with BEAD funds.	Challenge Process, Cost, Guidance, CP, Pay, Funds
BEAD Eligible Entity Challenge Process Portal Considerations *Document*	This resource provides guidance on the types of activities an Eligible Entity BEAD Challenge Process portal tool should support on challenges and rebuttals.	Challenge Process, Technology, Portal, CP, Considerations
FCC Mapping and the Challenge Webinar *Webinar*	Webinar discussing the FCC BDC process including timing and the challenge process for both the Broadband Serviceable Location Fabric and the Provider Availability Data. Includes a glossary of definitions	Challenge Process, FCC, Maps, Webinar, BSL, Broadband Data Collection

[FCC Mapping Overview and Guide](#) *Guidance*	Two-page overview including why mapping matters for the BEAD program, an FCC timeline, and FCC Broadband Data Collection resources.	Challenge Process, FCC, Maps, Guidance, CP, BDC
[BEAD Challenge Process Redlined Update](#) *Document*	Challenge Process Policy Notice redlined updates.	Challenge Process, Policy, PN, Redlined
[BEAD Challenge/Notice Comments Received](#) *Document*	Public list of comments received, and changes made on the Challenge Process Policy Notice.	Challenge Process, Policy, CP, Comments
[BEAD Challenge Process Policy Notice](#) *Policy Notice*	NTIA Challenge Process Policy Notice	Challenge Process, Policy, PN, CP, Policy Notice
[Introduction to the Challenge Process Webinar](#) *Webinar*	Webinar introducing the Challenge Process and its requirements to Eligible Entities, as well as roles and responsibilities during the Challenge Process.	Challenge Process, CP, Webinar
EXECUTION / SUBMISSION		
[BEAD Challenge Process Results Submission Guidance](#) *Guidance*	Guidance on how to submit Challenge Process Results in NGP.	Challenge Process, Results, Submission, Guidance, NTIA Grants Portal, CP
[BEAD Challenge Process Data Submission](#) *Webinar*	This webinar covers additions to NTIA's Challenge Process Policy Notice on how to submit Challenge Process results. It also covers how to derive the final list of locations and CAIs, including post-challenge deduplication.	Challenge Process, Data Submission, BSL, Webinar, NGP, NTIA Grants Portal, CP
[Understanding "True-Up" in the Challenge Process](#) *Document*	This resource helps Eligible Entities understand what the 'true-up' process is and when they should do it	Challenge Process, Map, 'True-Up', True Up, CP
[BEAD Model Challenge Speed Test Checklist](#) *Checklist*	This checklist covers all the required information needed for a speed test to qualify as a valid challenge	Challenge Process, Speed Test, Modification, Checklist, Model, CP

| Challenge Results Submission Templates
Template | These CSV templates are intended to support Eligible Entities in implementing the challenge results submission data format requirements. Additional guidance detailing the data formats of these files can be found in the BEAD Challenge Process Policy Notice. | Challenge Process, Results, Submission, Template, CP |

4.0 SUGBRANTEE SELECTION

Utilize this section to find information and guidance related to subgrantee selection.

Document Name	Description	Tags
SUBGRANTEE SELECTION RESOURCES		
[BEAD Subgrantee Qualifications](#) *Guidance*	Guidance that provides an overview of the BEAD NOFO requirements and how to evaluate the qualifications of prospective BEAD subgrantees.	Subgrantee Selection, SGS, Qualification, Guidance
[BEAD Subgrantee Selection Primer](#) *Document*	An overview resource to support BEAD program Eligible Entities in creating and implementing a competitive subgrantee selection process.	Subgrantee Selection, Primer, SGS
[Hiring MBEs, WBEs, and Labor Surplus Area Firms](#) *Document*	This guide provides strategies and best practices for contracting with these entities.	Contractors, MBE, WBE, Grants Administration, Minority-Owned Business Enterprise, Women-Owned Business Enterprise, Labor Surplus, Women, Minority
[BEAD Subgrantee vs. Subcontractor Guidance](#) *Checklist*	The following checklist provides Eligible Entities with considerations to determine if a partnering entity should be considered a subgrantee or a subcontractor.	Subgrantee, Subcontractor, Checklist, Grants Administration
[BEAD Deployment Subgrantee Selection: Guidance on the Notification of Provisional Selections](#) *Document*	This document provides guidance for Eligible Entities on requirements they must satisfy before publicly disclosing provisional BEAD subgrantee selections.	Grants Administration, Subgrantee Selection, Monitoring, Deployment, Provisional Selections, Notification
[BEAD Program - Conditional Limited Programmatic Waiver and Clarification of Professional Engineer Certification](#) *Policy Notice*	Notice of a conditional limited programmatic waiver of the of the professional engineer certification requirement set forth in the BEAD Program NOFO and clarification that the	Subgrantee, Subcontractor, Conditional, Limited, Programmatic Waiver, Clarification, Professional Engineer Certification

	professional engineer making certifications in connection with the professional engineer certification requirement may be licensed in any of the 56 Eligible Entities	
BEAD Financial Capability Alternatives Policy Notice *Policy Notice*	The BEAD Financial Capability Alternatives Policy Notice provides additional guidance to Eligible Entities regarding what information should be included in making such a request and the form such comparable evidence might take.	Subgrantee, Subcontractor, Financial Capability, Alternatives, SGS, PN
BEAD Letter of Credit Policy Notice *Policy Notice*	Notice of a conditional programmatic waiver of the letter of credit requirements set forth in section IV.D.2.a.ii of the BEAD Program NOFO.	Subgrantee, Subcontractor, Letter of Credit, Policy Notice, LOC
Understanding The Policy Notice: Selecting Technology *Guidance*	Provides comprehensive guidance on obtaining applications during subgrantee selection for deploying broadband service to all unserved and underserved locations, prioritizing the most robust, affordable, and scalable technologies. The document includes critical considerations for engaging directly with ISPs in the absence of competitive applications to serve a location.	Technology, Policy Notice, Selecting Technology, SGS, Tech, Internet Service Provider
BEAD Obligations for Subgrantees Deploying Network Projects *Document*	A resource to help potential BEAD applicants understand the obligations they would be required to fulfill if they were to win a BEAD-funded project.	Subgrantee Selection, Obligations, Subgrantees, Deploying, Network Projects, Deployment, SGS
Uniform Guidance Policy Notice Primer *Primer*	Summary of the Uniform Guidance Policy Notice ("Policy Notice") that was issued on December 26, 2023.	Grants Admin, Uniform Guidance, Subgrantee Selection, Policy Notice, Primer

5.0 FINAL PROPOSAL

Utilize this section to find information and guidance related to the Final Proposal.

FINAL PROPOSAL RESOURCES		
Document Name	**Description**	**Tags**
BEAD Final Proposal Guidance and Templates *Guidance*	Outlines the NTIA Final Proposal Guidance and provide Final Proposal templates to assist each Eligible Entity in submitting quality Final Proposals for the BEAD Program.	Final Proposal, Guidance, Template, FP
BEAD Final Proposal Guidance and Templates v1.1 *Guidance*	1.1 version of the NTIA Final Proposal Guidance, including additional details on addressing enforceable commitments and non-service codes.	Final Proposal, Guidance, Template, FP
BEAD Final Proposal Guidance and Templates v1.2 *Guidance*	Most recent version of the NTIA Final Proposal Guidance, updating multiple intake questions and guidance language on various questions.	Final Proposal, Guidance, Template, FP
Final Proposal Submission Requirements: Non-Service Codes *Guidance***	This document provides guidance on the Final Proposal non-service codes.	Final Proposal, FP, Guidance, Non-Service, Non Service
FINAL PROPOSAL FUNDING REQUEST (FPFR)		
BEAD Final Proposal Funding Request Guidance and Templates *Guidance*	These documents provide Final Proposal Funding Request (FPFR) templates to assist each Eligible Entity in submitting quality Final Proposal Funding Requests for the BEAD Program.	FPFR, Templates, Final Proposal Funding Request, FP

6.0 GENERAL GRANTS ADMINISTRATION

Utilize this section to find information and guidance related to general grants administration.

GENERAL GRANTS ADMINISTRATION RESOURCES		
Document Name	**Description**	**Tags**
BEAD Human Subjects Research Guidance *Guidance*	BEAD guidance for Human Subject Research Protection during grant planning.	HSR, Guidance, Human Subjects Research, Human Subject Research
Two Percent (2%) Grants Admin Guidance Primer *Guidance*	Guidance to BEAD Eligible Entities on adhering to the two percent grant administration cost spending limitation, defines related terms, and offers best practices on tracking and calculating costs.	Two Percent, Grants Administration, 2%
BIL Grant File Management Guide *Document*	Guide that provides information and best practices on how to create and maintain a comprehensive grant file throughout the entirety of the grant lifecycle.	Grant Files, General, BIL
Waste, Fraud, and Abuse Webinar *Webinar*	Webinar discussing how to recognize and prevent fraud, waste, and abuse of grant funds.	Waste, Fraud, Abuse, Webinar, Grants Administration
SF-425 Financial Report Guidance *Guidance*	Guidance on SF-425 Financial Report.	SF-425, Grants Administration, General, Financial Report
Time Tracking One-Pager *Document*	This document provides time tracking guidance for all Bipartisan Infrastructure Law (BIL) grant recipients.	Time Tracking, Grants Administration, General
BEAD Conditional Limited Programmatic Waiver *Policy Notice*	Notice of a conditional limited programmatic waiver of the of the professional engineer certification requirement set forth in the BEAD Program Notice	Waiver, Conditional Limited Programmatic

	of Funding Opportunity and clarification that the professional engineer making certifications in connection with the professional engineer certification requirement may be licensed in any of the 56 Eligible Entities.	
BEAD Programmatic Waiver of Tribal Lands *Policy Notice*	BEAD Programmatic Waiver of BEAD NOFO Tribal Lands definition.	Waiver, Tribal, Programmatic
BEAD Semi-Annual Report Attachment Template *Template*	Template for BEAD Semi-Annual Report.	Semi-Annual Report, SAR, Grants Administration, Template, Semi Annual Report
BIP Annual Report Resources *Webinar*	This webinar provides a walkthrough of the Broadband Infrastructure Program (BIP) Annual Report.	Report, BIP, Webinar
Program Income and Federal Interest Webinar *Webinar*	This webinar covers federal interest in BIL programs and defines program income.	Program Income, Federal Interest, General, Webinar, Bipartisan Infrastructure Law
BEAD Match Primer *Document*	This resource discusses match options.	Match, Grants Administration, General, Primer
Fixed Amount Subaward Overview *Document*	This resource provides Broadband BEAD program Eligible Entities with guidance on fixed amount subawards, which are only allowed for subgrants in which the major purpose of the project is broadband infrastructure deployment.	Subaward, Grants Administration, General, Fixed Amount, Sub Award, FASA
Tailoring the Application of the Uniform Guidance to the BEAD Program *Policy Notice*	Guidance on the implementation of exceptions, adjustments, and clarifications to certain provisions of the *Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance)*, codified at 2 CFR Part 200, and the application of related provisions of the *Uniform Guidance* to the BEAD Program.	Monitoring, Grants Admin, Uniform Guidance, Tailoring

[2024 BEAD Program General Terms and Conditions](#) *Policy Notice*	Guidance on all requirements contained in 47 U.S.C. § 1702, the BEAD NOFO, the Department of Commerce Standard Terms and Conditions, the General Terms and Conditions for the BEAD Program, and the Specific Award Conditions applicable to each individual award.	Terms and Conditions, Grants Admin, Monitoring, Specific Award Conditions, SAC
[Uniform Guidance Policy Notice Primer](#) *Primer*	Summary of the Uniform Guidance Policy Notice ("Policy Notice") that was issued on December 26, 2023.	Grants Admin, Uniform Guidance, Subgrantee Selection, Policy Notice, Primer, PN, SGS
[Uniform Guidance Policy Notice Briefing](#) *Document*	Overview and key takeaways pertaining to BIL programs from the Uniform Guidance Policy Notice that was issued on December 26, 2023.	Grants Admin, Uniform Guidance, Policy Notice, PN
[System for Award Management Guidance for Bipartisan Infrastructure Law Program Applicants](#) *Guidance*	This document provides guidance for Bipartisan Infrastructure Law (BIL) program applicants on how to access, register, and acquire a Unique Entity Identifier (UEI) in the System for Award Management (SAM).	BIL, SAM, System for Award Management, Grants Admin, SAM.gov
[NTIA Grants Portal (NGP): Authorized Organization Representative (AOR) Change Request Submission Guidance](#) *Guidance*	This document provides instructions on how to submit an AOR change request in NGP.	NGP, NTIA Grants Portal, AOR, Authorized Organization Representative, Grants Admin, Change Request, Submission
[BEAD Semi-Annual (Technical) Report Guidance Version 1.2](#) *Form*	This form serves as a tool to capture the BEAD Semi-Annual Performance Technical Report (SAR).	SAR, Report, Form, Grants Admin, Semi-Annual Report, Semi Annual Report
[Anticipated Post-Final Proposal BEAD Semi-Annual Report Requirements](#) *Guidance*	Provides guidance on anticipated reporting requirements for post-Final Proposal Semi-Annual Reports (SARs).	SAR, Guidance, Final Proposal, Semi-Annual Report, Signage
MONITORING		

[Subrecipient Monitoring Webinar](#) *Webinar*	Webinar introducing subrecipient monitoring.	Subrecipient, Monitoring, Grants Admin, Webinar, Subgrantee
[Subrecipient Monitoring and Management FAQs](#) *FAQs*	Frequently Asked Questions about monitoring and management of subrecipients.	Subrecipient, Monitoring, Management, Grants Admin, FAQs, Subgrantee
[CAA Site Visits and Desk Reviews One Pager](#) *Document*	Post-award resource providing guidance on monitoring activities for CAA grant recipients.	CAA, Site Visits, Desk Reviews, Monitoring, Consolidated Appropriations Act
[CAA Site Visits and Desk Reviews FAQs](#) *FAQs*	Post-award FAQ document for CAA grant recipients providing guidance on monitoring activities	CAA, Site Visits, Desk Reviews, Monitoring, FAQs, Consolidated Appropriations Act
[BEAD Deployment Subgrantee Selection: Guidance on the Notification of Provisional Selections](#) *Document*	This document provides guidance for BEAD Eligible Entities on requirements they must satisfy before publicly disclosing provisional BEAD subgrantee selections	Grants Administration, Subgrantee Selection, Monitoring, Deployment Notification, Provisional Selections, Provisional, Deployment, SGS
[Preparing for BEAD Subgrantee Selection Monitoring](#) *Document*	The resource provides a high-level overview of how Eligible Entities can effectively prepare for BEAD subgrantee selection monitoring.	Subgrantee Selection, Monitoring, SGS

7.0 TECHNOLOGY, ENGINEERING, AND CONSTRUCTION

Utilize this section to find information and guidance related to technology requirements.

TECHNOLOGY RESOURCES		
Document Name	**Description**	**Tags**
Reliable Broadband Service and Alternative Technologies *Guidance*	This resource provides a range of definitions as it relates to BEAD, as well as clarity on when alternative technologies can be deployed using BEAD funds and the selection criteria for priority broadband projects.	Technology, Broadband, Reliable Broadband Service, Alternative Technologies, Alternative Technology, Alt Tech
Broadband 101 Webinar *Webinar*	Webinar on broadband technologies, key terms, and economics that can be used by state broadband offices to introduce new staff or other relevant groups to the telecommunications industry.	Broadband, Technology, Webinar, General, 101
Broadband Network Deployment Engineering *Document*	Document explaining broadband network deployment and engineering.	Broadband, Network Engineering, Technology, Deployment, Engineering
Broadband Policies and Mechanisms *Document*	Resource explaining broadband policies.	Broadband, Policy, Technology, Mechanisms
Economics of Broadband Networks *Document*	Resources delving into the economics of building broadband networks.	Broadband, Economics, Networks, Technology
Understanding the Fabric Lifecycle *Document*	This document highlights the FCC National Broadband Map's two main components (fabric and availability data) and the release schedule.	Broadband, Fabric Lifecycle, General, Fabric, Availability Data
Selecting Technology Policy Notice *Policy Notice*	This Policy Notice provides guidance on strategies to obtain bids for Priority Broadband	Selecting Technology, Policy Notice, Priority Broadband

	Projects and Reliable Broadband Service projects that fall under the EHCPLT, and ways to seek out the most robust, affordable, and scalable solution for each location where the costs to deploy exceed the EHCPLT, all while ensuring coverage of all unserved and (where financially feasible) underserved locations.	Projects, Reliable Broadband Service
BEAD Program - Conditional Limited Programmatic Waiver and Clarification of Professional Engineer Certification *Policy Notice*	Notice of a conditional limited programmatic waiver of the of the professional engineer certification requirement set forth in the BEAD Program Notice of Funding Opportunity and clarification that the professional engineer making certifications in connection with the professional engineer certification requirement may be licensed in any of the 56 Eligible Entities.	Subgrantee, Subcontractor, Technology, Conditional, Limited, Programmatic Waiver, Clarification, Professional Engineer Certification
Understanding The Policy Notice: Selecting Technology *Guidance*	Provides comprehensive guidance on obtaining applications during subgrantee selection for deploying broadband service to all unserved and underserved locations, prioritizing the most robust, affordable, and scalable technologies. The document includes critical considerations for engaging directly with ISPs in the absence of competitive applications to serve a location.	Technology, Subgrantee Selection, Selecting Technology, Policy Notice
BABA Compliance and Self-Certification *Guidance*	Detailed information on BABA compliance and reporting requirements, as well as how manufacturers can be listed on the BEAD BABA Self Certification list.	Build America, Buy America, BABA, Compliance, Certification, Self-Certification
Accelerating the Construction of BEAD Projects *Guidance*	This guidance document provides options to accelerate the construction of BEAD projects.	Construction, Environmental Review, Materials, Subgrantee Agreements

| [Alternative Broadband Technology Policy Notice](#)
 Policy Notice | This Policy Notice outlines the steps Eligible Entities must follow when deciding whether to award BEAD subgrants for Alternative Technology broadband deployment projects. Published December 2024. | Alternative Technology, Alt Tech, LEO, ULFW, PN |

8.0 PERMITTING, EHP, AND NEPA

Utilize this section to find information and guidance related to permitting, EHP, and NEPA requirements.

Document Name	Description	Tags
PERMITTING, EHP, & NEPA RESOURCES		
PERMITTING INTRODUCTION		
[What is Permitting?](#) *Document*	An introduction to permitting as it relates to broadband projects including the types of permits a deployment may require, the process for securing an easement or right of way access, and steps to obtaining permission to access federal/state/local land	Permitting, General
[Permitting 101](#) *Webinar*	This webinar provides an overview on permitting as it relates to broadband infrastructure programs, rights-of-way and other easements, NEPA and EHP, applicant and agencies best practices, methods of streamlining permitting, etc. The presentation also provides explanation of broadband basics.	Permitting, General, Webinar, 101
[Permitting Best Practices](#) *Document*	Case studies and examples of streamlining permitting including Broadband Ready Communities, E-Permitting, and Rights-of-Way (ROW)	Permitting, Best Practices, General
[Permitting Needs Assessment](#) *Document*	Details the four main categories related to permitting that state and local governments must prepare to address, including accessing rights-of-way, pole attachments, conduit access, and environmental & historic preservation.	Permitting, Streamlining Permitting, State and Local Governments, Needs Assessments

[Local Permitting Importance, Challenges, and Strategies](#) *Document*	Local permitting for broadband deployments may include approvals, authorizations, easements, and right-of-way permits from towns, counties, and other municipal entities. NTIA explains the importance of local permitting and offers strategies and examples of how project teams and local governments can address challenges and increase processing efficiency.	Permitting, Local Permitting, Strategies
[Federal Interagency Broadband Permitting Summit Materials](#) *Documents and Recordings*	NTIA and the Bureau of Land Management (BLM) co-hosted a multi-agency broadband permitting summit including key permitting information from representatives from NTIA, BLM, the Federal Permitting Improvement Steering Council, the US Army Corps of Engineers, the Bureau of Indian Affairs, the US Forest Service, the Federal Highway Administration, the Bureau of Reclamation, the US Fish and Wildlife Service, the National Park Service, the Advisory Council on Historic Preservation, the Rural Utilities Service, and the Appraisal and Valuation Services Office.	Permitting, Federal Permitting, Interagency, Webinar, Summit
PERMITTING TOOLS		
[Permitting and Environmental Mapping Tool](#) *Tool*	The NTIA Permitting and Environmental Information Application (mapping tool) helps grant recipients and others deploying infrastructure identify permit requirements and avoid potential environmental impacts when connecting a particular location to high-speed Internet service.	Permitting, Mapping, Tool, General

	This guide provides examples of best management practices (BMPs) and mitigation measures to help grant recipients (grantees) avoid or minimize potential impacts during the construction, deployment, and operation of NTIA funded broadband projects.	
Best Management Practices (BMP) and Mitigation Measures *Document*		Permitting, Mitigation, Management Practices, Best Management Practices (BMP), Mitigation Measures, Signage

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) OVERVIEW

Guidance on NTIA NEPA Compliance *Guidance*	Guidance on NEPA process requirements, roles and responsibilities, and Appendices applicable to NTIA programs effective April 2024.	NEPA, Compliance, Guidance
NEPA Review: Categorical Exclusions *Document*	Guidance on NEPA analysis as it relates to categorical exclusions (CATEXs) including the definition, the CATEX review process, CATEX qualifications, and a link to the DOC CATEX list.	NEPA, Compliance, Categorical Exclusions
NEPA Review: Environmental Assessments *Document*	Guidance on NEPA analysis as it relates to environmental assessments including the definition, preparation steps, best practices, and the review process.	NEPA, Compliance, Environmental Assessments

NEPA FOR BEAD PLANNING

Smart Start - How to Plan and Prepare for NEPA Compliance *Document*	This resource provides guidance on how to best prepare BEAD program activities for NEPA compliance	NEPA, Compliance, Grants Administration, General
Frequently Asked Questions (FAQ) NEPA for BEAD Addendum *FAQs*	Frequently Asked Questions about roles and responsibilities supporting the NEPA compliance for Eligible Entities in the BEAD program, including Joint Lead Agency responsibilities, Obtaining EHP and NEPA Expertise, etc.	NEPA, FAQs
NEPA for BEAD: Evaluating FirstNet PEIS Sections for States/Territories	Guidance to assist BEAD Eligible Entities to implement regional FirstNet Programmatic	NEPA, Compliance, Programmatic Environmental Impact Statements

Document	Environmental Impact Statements (PEIS) in preparation for the BEAD Final Proposal and how to "tier off" for subsequent reviews.	(PEISs), Tiering, Environmental Reviews, FirstNet
[NEPA for BEAD: Programmatic Environmental Impact Statement Evaluation Sample Memo & Recommendations](#) *Document*	Supplemental Guidance to assist BEAD Eligible Entities in the evaluation and documentation of the PEIS chapter review, including additional strategies, recommendations, and a sample memo.	NEPA, Compliance, Programmatic Environmental Impact Statements (PEISs), Tiering, Environmental Reviews, Sample Memo, Recommendations
[NEPA for BEAD: Milestone Schedule & NEPA Timeline](#) *Document*	Guidance on steps Eligible Entities ahead of the subgrantee selection process to enable their role as a joint lead agency and to support subgrantees in effective planning for permitting and environmental requirements, including the preparation of Milestone Schedules.	NEPA, Compliance, Milestones Schedule, NEPA Timeline
	OTHER EHP AUTHORIZATIONS	
[National Historic Preservation Act (NHPA) Consultation Process Fact Sheet](#) *Document*	Overview of the NHPA, requirements of NHPA as it relates to Tribes and SHPO.	NHPA, Historic Preservation, Section 106, Historic Properties, SHPO/THPO, State Historic Preservation Office
[Wetland Regulatory Authority Fact Sheet](#) *Document*	Overview of the Wetlands Regulatory Authority, key definitions, and relevant permitting information regarding the Wetlands Regulatory Authority	Permitting, Wetlands, Regulatory Authority
[Endangered Species Act (ESA) Section 7 Consultations Fact Sheet](#) *Document*	An overview of Section 7 consultation, including which project qualify and an explanation of each stage of the ESA consultation process.	Permitting, Endangered Species, Section 7, Consultations
[The ACHP Program Comment for Federal Communications Projects](#) *Document*	The Advisory Council on Historic Preservation (ACHP) Program Comment for Federal Communications Projects:	NHPA, Section 106, Historic Preservation, Program Comment

	Applicability of Program Comment Flow Chart	
NEPA, NHPA, and Climate Resiliency *Webinar*	Webinar providing an overview of the environmental review process initiated with the National Historic Preservation Act (NHPA) and National Environmental Protection Act (NEPA), and includes a description of a categorical exclusion, the impact on grants, and climate resiliency resources.	NEPA, NHPA, Section 106, Historic Preservation, Categorical Exclusion, Climate Resiliency
Environmental & Historic Preservation and Climate Resiliency Preparation Checklist *Document*	A checklist to support Eligible Entities' BEAD Five-Year Action Plans regarding the Environmental & Historic Preservation (EHP) requirements associated with the BEAD program.	Environmental & Historic Preservation, Climate Resiliency, Preparation, Checklist

9.0 WORKFORCE

Utilize this section to find information and guidance related to workforce requirements.

WORKFORCE RESOURCES		
Document Name	**Description**	**Tags**
Use of BEAD Funds for Workforce Development *Guidance*	Guidance on funding workforce activities in advance of or simultaneously with last-mile deployment projects and provides two scenarios as to how workforce activities could be considered deployment or non-deployment.	Workforce Development, Funds
Childcare for an Equitable Workforce *Document*	This resource provides Eligible Entities with strategies and best practices encouraging childcare provisions that reduce barriers to employment in telecommunications and recommendations for incorporating childcare into BEAD projects.	Childcare, Equitable, Workforce
NTIA Workforce Webinar *Webinar*	Webinar discussing the workforce planning guide for Eligible Entities.	Workforce, Planning Guide, Webinar
Prevailing Wage Overview *Document*	This resource provides an overview of the BEAD Program's prevailing wage-related requirements and U.S. Department of Labor Resources to support Eligible Entities in understanding and complying with federal labor and employment laws.	Prevailing Wage
BEAD Submission Workforce Requirement Checklist *Document*	This checklist outlines the core workforce-related items that must be included in BEAD Five-Year Action Plans, Initial Proposals, and Final Proposals.	Workforce, Checklist, Workforce Requirement

[Workforce Planning Guide](#)
Document

This guide intends to primarily support Eligible Entities developing submissions to the BEAD program but may also be applicable as entities develop their Digital Equity Plans.

Workforce Planning

10.0 TRIBAL ENTITIES

Utilize this section to find information and guidance related to Tribal Entities.

TRIBAL ENTITIES RESOURCES		
Document Name	**Description**	**Tags**
Tribal Engagement BIL Slides *Webinar*	Webinar discussing how to engage tribal entities in BIL programs.	Tribal Engagement, Broadband Infrastructure Law, Tribe
Digital Equity in Tribal Communities *Document*	This guide shares effective digital inclusion practices in Tribal communities and stories sharing high-speed Internet impact for two Tribal nations.	Tribal Entity, Digital Equity, Tribal Communities, Tribe
BEAD Programmatic Waiver of Tribal Lands *Policy Notice*	BEAD Programmatic Waiver of BEAD NOFO Tribal Lands definition	Waiver, Tribal, Programmatic, Tribal Lands, Tribe