



Infrastructure Investment and Jobs Act

Broadband Internet

October 2023

KeyBanc
Capital Markets


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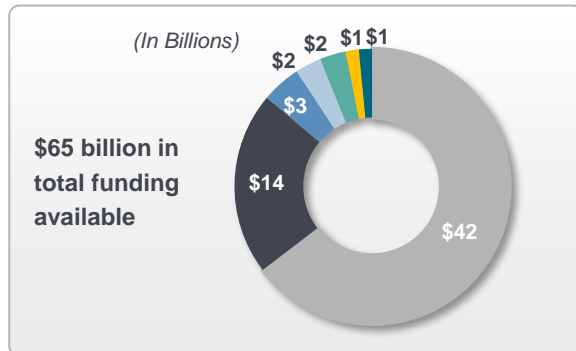
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Broadband Infrastructure Funding

IIJA Broadband Infrastructure - Funding Mechanisms

Broadband Equity, Access and Deployment Program (Existing)	<ul style="list-style-type: none"> Funds from this program will aim to close the access gap for unserved & underserved areas of the country by providing affordable, reliable, high-speed broadband
Affordable Connectivity Program (Existing)	<ul style="list-style-type: none"> The program will replace the Emergency Broadband Benefit Program (“EBBP”) established by the FCC last year to provide discounted broadband service and connected devices to qualifying low-income households
Digital Equity Grant Program (New)	<ul style="list-style-type: none"> Support the closure of the digital divide & promote equity and digital inclusion so that individuals and communities have the information technology capacity in the society and economy of the U.S.
Tribal Broadband Connectivity Technical Amendments Program (Existing)	<ul style="list-style-type: none"> Provides funding for grants to eligible entities* to expand access to and adoption of broadband service on Tribal land or to promote the use of broadband to access remote learning, telework or telehealth resources
ReConnect Program (Existing)	<ul style="list-style-type: none"> The program aims to offer loans, grants, and loan/grant combinations to help construct or improve facilities required to provide broadband service to rural areas
Middle Mile Broadband Infrastructure Grant Program (New)	<ul style="list-style-type: none"> The purpose of the grant program is to expand and extend middle mile infrastructure to reduce the cost of connecting unserved and underserved areas to the internet backbone
Private Activity Bonds (New)	<ul style="list-style-type: none"> Authorizes state and local governments to use private activity bonds for rural broadband

Total IIJA Broadband Funding Dollars



Upcoming P3 Opportunities

	Carroll County High Speed Internet Network P3	The project involves development of high-speed internet network with minimum of 100 Mbps download and 20 Mbps upload speeds for the residents in Carroll County with a population of about 30,000 people
	Fremont Broadband Expansion P3	The city is seeking a P3 to develop a fiber-optic network to support the current and future needs of government, business, anchor institutions and residents and will also support “smart city” initiatives and traffic signal modernization
	West Hollywood Fiber-Optic Broadband P3	The city is seeking a P3 for the development of a city-wide fiber-optic broadband network that will serve its residents and business

Source: Publicly available information
 Note: * Defined in the respective overview slides

Broadband Equity, Access and Deployment (BEAD) Program (1/3)

Key Facts

Funding Type:

New

Funding Pool:

USD \$42 billion

Program Type:

State and Territory Formula Program

Period of Availability:

No End Date

Funding Mechanism:

Grant

Administer Entity:

National Telecommunications and Information Administration (“NTIA”)

Funding Share:

Each state will receive at least \$100 million. Final funding will be allotted based on how many unserved locations a state may have

Funding Objective

- Aims to close the access gap for unserved & underserved areas of the country by providing affordable, reliable, high-speed broadband

Use of Funds

- States will prioritize funding to projects involving unserved areas first (i.e., locations lacking access to 25/3 Mbps, low-latency broadband service), then underserved areas (i.e., locations lacking access to 100/20 Mbps, low-latency broadband service), and then community anchor institutions (i.e., schools, hospitals and public safety entities)
- States also will prioritize funding to high-poverty areas and projects that provide higher-speed broadband services
- Funds will be used to deploy broadband to unserved/underserved areas, connect eligible community anchor institutions, collect, map and plan broadband data, install broadband infrastructure or provide reduced-cost broadband in multifamily residential buildings (with priority to poor/unserved households), adaption of broadband (including providing internet-capable devices) or any other NTIA-approved use
- States may award subgrants to broadband providers, including cooperatives, for any of the six approved uses. Also, service providers that previously received broadband funding through other federal/state programs can still request and receive subgrants, which would be in addition to any existing funding
- Subgrantees normally will be required to fund 25% of project costs, but this funding can come from existing government/non-profit sources

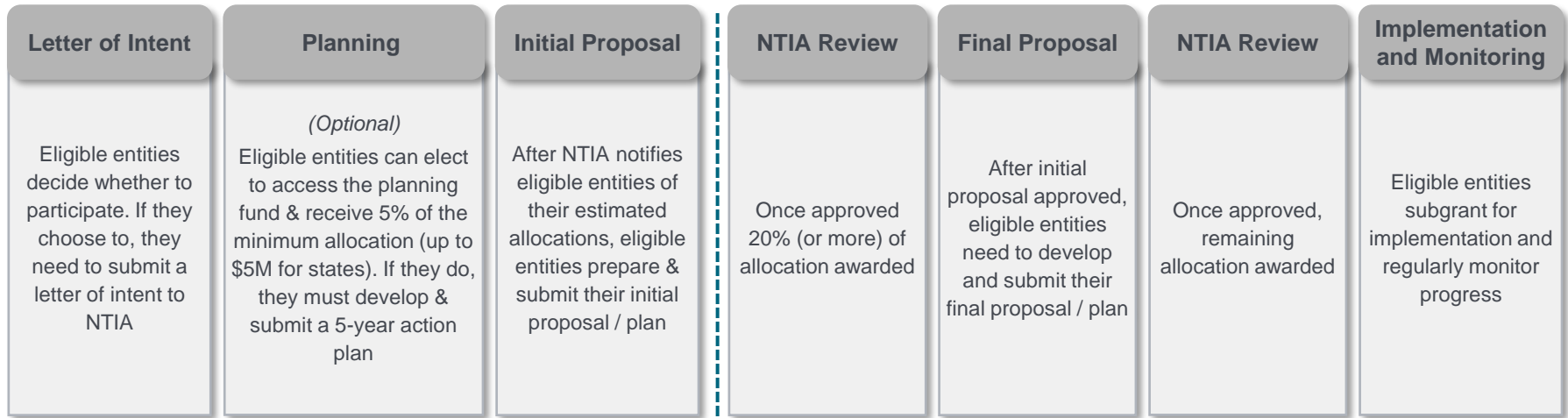
Eligible Recipients / Entities



All 50 U.S. states, the District of Columbia, and 5 U.S. territories (Puerto Rico, the U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands)

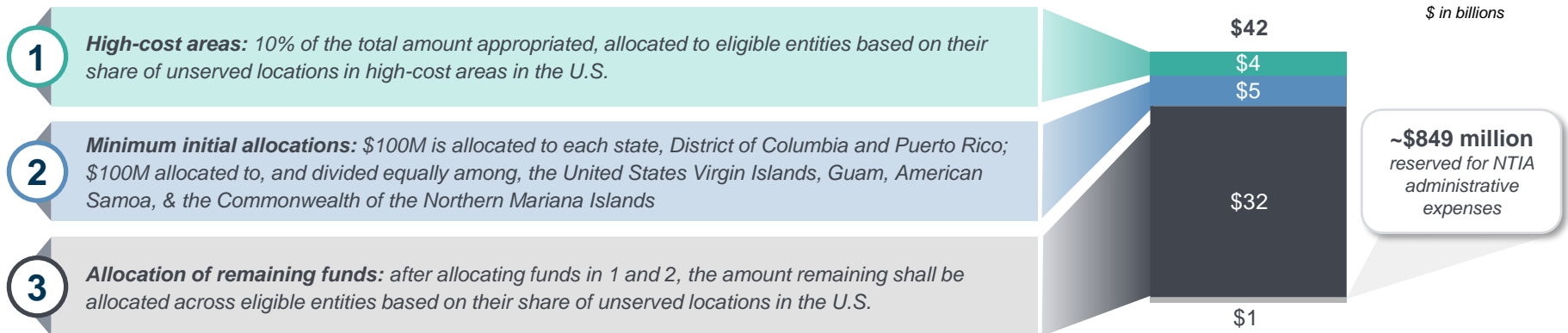
Broadband Equity, Access and Deployment (BEAD) Program (2/3)

Steps for Eligible Entities to Receive Funding



Federal Communications Commission (FCC) Data Maps Released

Allocation Formula



BEAD Program – Notice of Funding Opportunity (NOFO) (3/3)

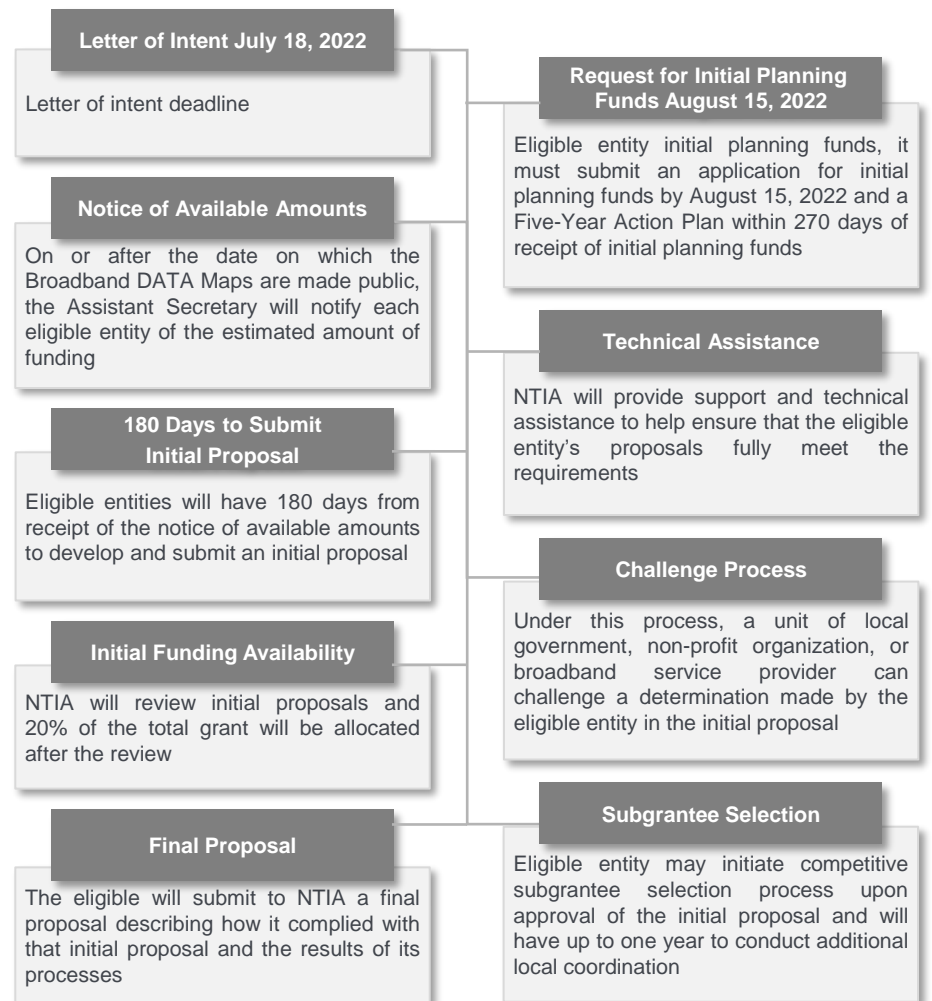
Overview

NTIA issued this NOFO to describe the requirements under which it will award grants for the BEAD Program, authorized by the IIJA Act. The BEAD Program provides new federal funding for broadband planning, deployment, mapping, equity and adoption activities. **Funding is distributed primarily based on the relative number of “unserved” locations in each state and territory**

Key Selection Criteria

Minimal BEAD Program Outlay	<ul style="list-style-type: none"> The total funding that will be required to complete the project, accounting for both total projected cost and the prospective subgrantee’s proposed match, with the specific points or credits awarded increasing as the BEAD outlay decreases
Fair Labor Practices	<ul style="list-style-type: none"> Eligible entities must give priority to projects based on a prospective subgrantee’s demonstrated record in compliance with federal labor and employment laws
Speed to Deployment	<ul style="list-style-type: none"> All subgrantees that receive program funds for network deployment must deploy the planned broadband network and begin providing services to each customer
Speed of Network and Other Tech Capabilities	<ul style="list-style-type: none"> Eligible entities must weigh the speeds, latency, and other technical capabilities of the technologies proposed by prospective subgrantees seeking to deploy projects that are not priority broadband projects
Additional Prioritization Factors	<ul style="list-style-type: none"> Equitable workforce development and job quality Open access wholesale last-mile broadband service Local and Tribal coordination

Process Overview



Affordable Connectivity Program (ACP) – (1/2)

Key Facts

Funding Type:

Existing Program

Funding Pool:

USD \$14 billion

Program Type:

N/A

Period of Availability:

No end date

Funding Mechanism:

N/A

Administer Entity:

Federal Communications Commission (“FCC”)

Funding Share:

Each state will receive at least \$100

Funding Objective

- The Affordable Connectivity Program will replace the Emergency Broadband Benefit Program (“EBBP”) established by the FCC last year to provide discounted broadband service and connected devices to qualifying low-income households (including participate in Lifeline, Medicaid and other specified government assistance programs)

Use of Funds

- Broadband providers will receive up to \$30/month for providing discounted service to qualifying low-income households (down from \$50/month under the EBBP), although additional funding is available in certain Tribal lands. The discounted service can be standalone broadband or a bundle of services including broadband, voice, texting and equipment rental fees. Participating providers must allow qualifying low-income households to apply the discount to any plan the provider offers to the public
- Participating broadband providers also can receive \$100 for each discounted broadband-connected device sold to a qualifying low-income household (including laptop, tablet, desktop), which must pay at least \$10 and maximum \$50 for the discounted device. An eligible low-income household can buy only one discounted device, with no discount on smartphones
- The Affordable Connectivity Program subsidies received by participating providers would be in addition to any funding received through other federal/state broadband programs.

Eligible Recipients / Entities



All broadband providers including cooperatives

***FCC announced \$66 million in outreach grants to fund projects to expand participation in ACP
FCC announced \$7 million toward Affordable Connectivity Program Awareness***

Affordable Connectivity Program (ACP) – NOFO (2/2)

Overview

- ACP Outreach Grant Program is comprised of four complementary grant programs:
 - National Competitive Outreach Program (NCOP)
 - Tribal Competitive Outreach Program (TCOP)
 - Your Home, Your Internet (YHYI) Outreach Grants
 - Affordable Connectivity Program (ACP) Navigator Pilot Program (NPP) Outreach Grants
- The FCC issues this NOFO to describe the requirements under which it will award grants for the NCOP and the TCOP. A separate NOFO will be issued for the ACP Outreach Grant Program – Pilot Programs, BHYI and NPP

Eligible Applicants

Eligible Recipients are:

- State governments and subdivisions thereof (including the District of Columbia and Puerto Rico)
- U.S. territory gov't & subdivisions (U.S. Virgin Islands, Guam, American Samoa, and the Commonwealth of the Northern Mariana Islands)
- Local governments and subdivisions
- Tribal governments and subdivisions as well as Tribal designated housing entities and organizations
- Public housing agencies and social service providers
- Education organizations, such as schools and other institutions of higher education

Key Award Dates

Submission Date	January 9, 2023
Anticipated Funding Selection Date	March 10, 2023
Anticipated Award Date	March 31, 2023

Application Review

Eligibility (Compliance) Review:

As part of the compliance review, the FCC will determine if:

- The applicant is deemed an eligible entity under the program, to include not being on the suspension and debarment list
- The applicant successfully submitted all the required standard forms and program-specific forms

Independent Merit Review:

- If an applicant is deemed eligible the FCC will initiate a merit review
- Merit reviewers will review assigned applications to ensure alignment with the program objectives, eligible activities, and related costs/budget

Virtual Panel Review (if applicable):

- FCC will consolidate the final scores of each reviewer to produce an average merit score for the applicant
- Outcome of the virtual panel review may include or adjusting the recommended funding based on results by the panel

Funding Determination:

- Based on the scoring applicants will be considered for funding from highest scoring to lowest scoring

Risk Review:

- Applications that are recommended for funding consideration based on the outcome of the merit review will undergo a pre-award risk assessment
- The FCC will determine whether the applicant is qualified to receive the award and if so, degree of risk posed by the applicant should be applied to the award

Final Selection:

- Final results from the merit and risk reviews will be used to make funding recommendations to the CGB Chief
- The CGB Chief will provide final approval of applicants selected for funding

Digital Equity Grant Program (1/4)

Key Facts

Funding Type:

New

Funding Pool:

USD \$2 billion

Program Type:

State and Territory Formula Program / Competitive Grant

Period of Availability:

Five Years

Funding Mechanism:

Grant

Administer Entity:

National Telecommunications and Information Administration (“NTIA”)

Federal Cost Share:

Up to 90% - can be waived

Funding Objective

- Support the closure of the digital divide & promote equity and digital inclusion, so that individuals and communities have the information technology capacity that is needed for full participation in the society and economy of the U.S.

Use of Funds / Working

- States will develop and implement digital equity plans to improve broadband access, affordability, and adoption among underserved “covered populations,” including rural area residents, and may award subgrants to broadband providers, including cooperatives, to complete digital equity projects on their behalf
- Additionally, certain broadband providers will be able to apply to a competitive grant program to fund their own digital equity projects (including non-profit cooperatives, corporations, and associations)
- Applicants will be required to show that their projects will do at least one of the following:
 - Provide reliable fixed or wireless broadband service
 - Encourage broadband adoption by covered populations
 - Provide workforce training programs for covered populations
 - Make broadband equipment and networking capability available to covered populations at low/no cost
 - Construct, upgrade, or operate public access computing centers for covered populations through community anchor institutions
- Digital equity grants and subgrants obtained by service providers will be in addition to any funding already received through other federal/state broadband programs

Eligible Recipients / Entities



All 50 U.S. states, the District of Columbia and Puerto Rico

Digital Equity Grant Program – Funding Pool & Program Types (2/4)

Program	Funding Pool	Type	Objective	Eligibility
State Digital Equity Planning Grants	\$60 million	State and territory formula program	Ensure states have the capacity & appropriate plans to achieve digital equity & support digital inclusion	Administering entity by a U.S. state, D.C. & P.R., either alone or in partnership with a state subdivision, an Indian tribe, a foundation, or other eligible entities
State Digital Equity Capacity Grants	\$1 billion (FY22: \$240 million, FY23-26: \$300 million)	State and territory formula program	To support the implementation of state digital equity plans and digital inclusion activities	Administering entity by a U.S. state, D.C. & P.R., either alone or in partnership with a state subdivision, an Indian tribe, a foundation, or other eligible entities
Digital Equity Competitive Grant Program	\$1 billion (FY22-26: \$250 million)	Competitive grant	Support efforts to promote digital inclusion, achieve digital equity & improve adoption of broadband	Should not have served in above two category; includes political subdivision, agency, Indian tribe, foundation, community anchor institution and local educational agency

Planning Grant & Capacity Grant Duration

- A state should submit an application to the Assistant Secretary not later than 60 days after the notice of funding availability is released, and should expend **awarded planning grant funds** during the 1-year period beginning on the date on which the state is awarded the grant funds
- The distribution of the **State Digital Equity Capacity Grants** will begin no later than 2 years after the Assistant Secretary begins awarding planning grants; the eligible state shall expend the grant funds during the **5-year period** beginning on the date on which the eligible state is awarded the grant funds

Digital Equity Grant Program – NOFO (3/4)

Overview

State will identify barriers to digital equity in the state and strategies for overcoming those barriers. Further, U.S. territories and possessions (other than Puerto Rico), Indian tribes, Alaska Native entities and Native Hawaiian organizations may also seek grants, cooperative agreements or contracts to develop their own digital equity plans and in the case of Tribal entities, to provide input into the digital equity plans of the states in which they are located

Application Requirements

State must submit an application that includes the following information:

- A description of the entity selected to serve as the administering entity for the state
- A certification from the administering entity for that state that, not later than one (1) year after the date on which the Assistant Secretary awards the planning grant to the state, shall develop a state digital equity plan
- The assurances required under Section 60304(e) of the IIJA
- A narrative describing the grant project and activities to be funded by the State Digital Equity Planning Grant Program and how these activities will support the development of a State Digital Equity Plan
- Detailed budget and budget narrative
- Additionally, must include Standard Form 424 and 424A, CD-511 Certification Regarding Lobbying, Standard Form LLL, Disclosure of Lobbying Activities (if applicable) and Negotiated Indirect Cost Rate Agreement (as applicable)

Key Dates

Application Deadline	July 12, 2022
Application Review and Selection	September 15, 2022
Expected Date of Grants Award	September 29, 2022

State Digital Equity Plan Requirements





























Statutory Requirements:





























- Identification of barriers to digital equity faced by covered populations
- Measurable objectives for documenting and promoting, among each covered population located in that state:
 - Availability and affordability of access to, fixed and wireless technology
 - Online accessibility and inclusivity of public resources and services
 - Digital literacy
 - Awareness of and the use of, online privacy and cybersecurity
 - Availability and affordability of consumer devices and technical support
- An assessment of the measurable objectives and its impact on state's:
 - Economic and workforce development goals, plans and outcomes
 - Educational outcomes
 - Health outcomes
 - Civic and social engagement
 - Delivery of other essential services

Additional Requirements:

- Needs assessment, including a comprehensive assessment of the baseline from the state and identification of the barriers to digital equity
- Asset inventory, including current resources, programs and strategies that promote digital equity
- Coordination and outreach strategy, including opportunities for public comment by, collaboration with and ongoing engagement
- Incorporate description of municipal, regional and/or Tribal digital equity plans
- Holistic implementation and strategic debt addresses the barriers to participation in the digital world
- Explanation of the implementation strategy addresses
- Description of the state's coordinate use of State Digital Equity Capacity Grant funding and its use

Letters of Intent Submitted by States (4/4)

State		
Alaska		
Arizona		
California*		
Colorado*		
Florida*		
Hawaii*		
Idaho*		
Kansas*		
Louisiana*		
Maine*		
Massachusetts*		
Michigan*		
Minnesota*		
Montana		

State		
Nebraska		
Nevada		
New Mexico*		
New York*		
North Dakota		
Oklahoma		
Oregon*		
South Dakota		
Texas*		
Utah*		
Virginia*		
Washington*		
Wisconsin*		
Wyoming		

Bolded text denotes states with P3 legislation or P3 offices

Tribal Broadband Connectivity Technical Amendments Program

Key Facts

Funding Type:

Existing Program

Funding Pool:

USD \$2 billion

Program Type:

Grants to eligible entities with approved applications

Period of Availability:

N/A

Funding Mechanism:

Grant

Administer Entity:

National Telecommunications and Information Administration (“NTIA”)

Funding Objective

- Provides new funds and extends expenditure deadlines for the Tribal Broadband Connectivity Program

Key Amendments to Prior Program

- Adding \$2 billion to distribute to eligible entities, including to fund previously-proposed programs
- Relaxing time requirements of original program—after receipt of funding, eligible entities will have up to 6 months to submit applications, 18 months to commit the funds to projects and 4 years to fully expend the grant funds
- Allowing infrastructure grantees to expend up to 2.5% total project cost for related planning, feasibility and sustainability studies
- Preserving unused allocated funds for other Tribal broadband projects instead of reverting back to the Treasury

Use of Funds

- Broadband infrastructure deployment, including support for the establishment of carrier-neutral submarine cable landing stations, affordable broadband programs including providing free or reduced cost broadband service, preventing disconnection of existing broadband service, distance learning, telehealth, digital inclusion efforts and broadband adoption activities

Eligible Recipients / Entities



A Tribal Government, a Tribal college or university, the Department of Hawaiian Home Lands on behalf of the Native Hawaiian Community, including Native Hawaiian education programs, a Tribal organization and a Native corporation

NTIA already received applications for nearly \$1 billion in TBCP grants in Sep-2021 and the additional appropriations will allow it to fully fund previously-approved applications and initiate additional funding rounds

ReConnect Program (1/5)

Key Facts

Funding Type:

Existing Program

Funding Pool:

USD \$2 billion

Program Type:

N/A

Period of Availability:

No end date

Funding Mechanism:

Loan, grant, or combination of both

Administer Entity:

U.S. Department of Agriculture
("USDA")

Federal Cost Share:

No non-federal cost share required

Funding Objective

- The program aims to offer loans, grants, and loan/grant combinations to help construct or improve facilities required to provide broadband service to rural areas

Use of Funds

- 90% of the funds will support projects in rural areas where at least 50% of the households lack access to 25/3 Mbps broadband service, which is a relaxation of the current ReConnect Program standard which applies only to areas where at least 90% of the households lack access to 10/1 Mbps broadband service
- The funds also may be used to pay for pole attachment fees and replacement costs for shared use of electric cooperative utility poles in rural areas
- Projects funded will need to provide at least 100/20 Mbps broadband service
- Additionally, \$5 million of the fund will be used for the establishment and growth of cooperatives to offer broadband

Eligible Recipients / Entities



Corporations, cooperatives, public entities, U.S. territories and federally recognized Indian tribes

ReConnect Program – NOFO (2/5)

Overview

- In facilitating the expansion of broadband services and infrastructure, the program will fuel long-term rural economic development and opportunities in rural America
- The program is authorized by the Consolidated Appropriations Act (2018) which directs the pilot to be conducted under the Rural Electrification Act of 1936

Eligible Projects

- Submit a complete application and provide all supporting documentation including unqualified, comparative, audited financial statements for the previous year from the date the application is submitted
- Demonstrate that the project can be completely built out within five years from the date funds are first made available
- Demonstrate that the project is technically feasible
- Submit documentation which enables RUS to determine that the project is financially feasible and sustainable
- Demonstrate that all project costs can be fully funded or accounted for as detailed in financial information section of the program
- Demonstrate that the following service requirements will be met:
 - Facilities funded with grant funds will provide broadband service proposed in the application for the composite economic life of the facilities
 - Facilities funded with loan funds must provide broadband service through the amortization period of the loan

Key Dates

Application Beginning	September 6, 2022
Application Deadline	November 2, 2022

Eligibility Information

Eligible Service Areas:

The following areas are eligible:

- For a PFSA to be eligible for funding under this FOA, except for funding category B.1.v, at least 50% of the households in the PFSA must lack sufficient access to broadband
- Applicants must submit evidence that sufficient access to broadband does not exist for 50% of the households in the PFSA, identify all existing providers in the PFSA
- Pursuant to the Consolidated Appropriations Act 2022, the service areas of existing RUS borrowers without sufficient access to broadband, as defined in this FOA, are eligible for ReConnect funding
- Areas receiving or under consideration for other federal funds are eligible for ReConnect funding as long as an entity has not received final approval to receive other federal funding to construct terrestrial facilities providing at least 100/20 Mbps
- A certification from the appropriate tribal official is required if service is being proposed over or on Tribal lands. The appropriate certification is a Tribal Government Resolution of Consent
- The costs associated with satisfying the environmental review requirements are also eligible for reimbursement as pre-application expenses. Up to three percent of the requested award funds can be used for this purpose
- Pole attachment fees associated with the construction funded under this FOA are eligible for funding throughout the five-year construction period
- The advance of funds for a 50/50 loan grant combination will be as follows:
 - Funds substituted for the loan component will be advanced first
 - Loan funds will be advanced second
 - Grant funds will be advanced third
- The Consolidated Appropriations Act 2022, included funding in the ReConnect Program for nineteen specific broadband projects
- To ensure that all Americans can access reliable, high-speed internet, this vital service must also be affordable
- Non-federal entities are subject to 2 CFR part 200, and therefore are only required to submit a single audit in compliance with 2 CFR part 200

ReConnect Program – NOFO (3/5)

Federal Award Information

1. Funding categories, interest rates and terms:

- **100% Loan** - Applications will be processed and awarded on a rolling basis. In the event two loan applications are received for the same PFSA, the application submitted first will be considered first. The interest rate for a 100% loan will be set at a fixed 2%. Principal and interest payments will be deferred for three years
- **50% Loan / 50% Grant Combination** - The interest rate for the 50% component will be set at the Treasury rate for the remaining amortization period at the time of each advance of funds. Principal and interest payments will be deferred for three years
- **100% Grant** - Applicants must provide a matching contribution equal to at least 25% of the cost of the overall project. The applicant must clearly identify the source of the matching funds even if it is to be provided from the applicant's operating accounts
- **100% Grant for Alaska Native Corp, Tribal Governments** - For applications submitted under this funding category that meet one of the following criteria, no matching funds will be required:
 - Alaska Native Corporations may submit an application to provide service on land owned by the corporation, as defined in the Alaska Native Claims Settlement Act
 - Tribal governments may submit an application to provide service on Tribal lands; lands held in trust by the United States for Native Americans; lands subject to restrictions on alienation imposed by the United States on Indian lands; or land that they own, provide services to, or administer
 - Projects where 75% of the applicant's PFSA(s) are located in areas recognized as Colonia, Socially Vulnerable Communities and persistent poverty counties
- **Projects where 90% of households lack sufficient access to broadband** - Applications submitted under this funding category must demonstrate that 90% of the households in each PFSA do not have sufficient access to broadband as defined in this FOA. No matching funds will be required

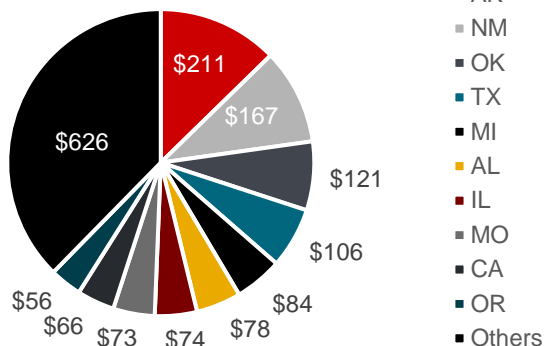
2. Maximum and minimum funding amounts:

- **100% Loan** - Up to \$150,000,000 is available for loans. The maximum amount that can be requested in an application is \$50,000,000
- **50% Loan / 50% Grant Combination** - Up to \$150,000,000 is available for loans and up to \$150,000,000 is available for grants. The maximum amount that can be requested in an application is \$25,000,000 for the loan and \$25,000,000 for the grant
- **100% Grant** - Up to \$150,000,000 is available for grants. The maximum amount of grant funds that can be requested in an application is \$25,000,000. If an applicant provides supporting information that demonstrates that the PFSA(s) is comprised 100% of areas classified, the applicant may request up to \$35,000,000
- **100% Grant for Alaska Native Corporations, Tribal Governments** - Up to \$350,000,000 is available for grants. The maximum amount of grant funds that can be requested in an application is \$25,000,000. If an applicant provides supporting information that demonstrates that the PFSA(s) is comprised 100% of locations within areas classified, the applicant may request up to \$35,000,000
- **Projects where 90% of households lack sufficient access to broadband** - Up to \$200,000,000 is available for grants. The maximum amount of grant funds that can be requested in an application is \$25,000,000
- **Minimum Amount** - The minimum amount that can be requested in any ReConnect Program application is \$100,000
- **Repooling** - For categories that do not receive applications that request the full amount of allocated funds, excess funds may be directed to another funding category at RUS's
- **Additional Funding** - RUS may at its discretion, increase the total level of funding available in this funding round or in any category in this funding round from any available source provided the awards meet the requirements of the statute which made the funding available

ReConnect Program – FY 2022 Awardees (4/5)

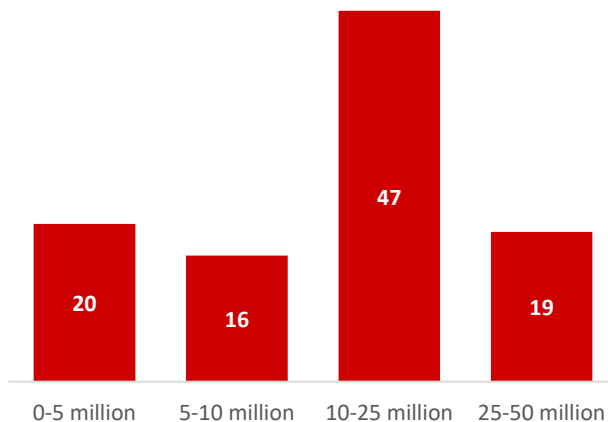
Funding by State

In Millions



Number of Projects by Funding Amount

X Axis In \$



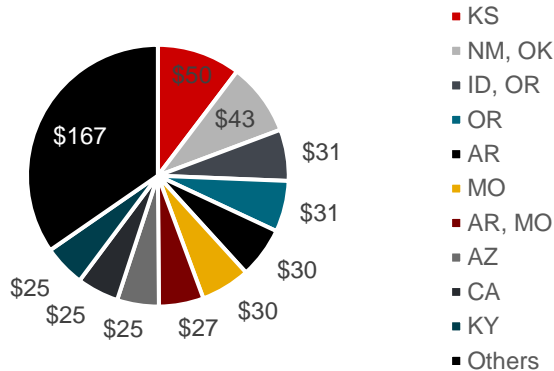
Top 10 Recipients

State	Recipient	Funding	Description
AL	Pine Belt Telephone Company Inc.	\$50 million	To connect 15,989 people, 608 businesses, 52 educational facilities & 407 farms to high-speed internet
AZ / NM	Valley Telephone Cooperative	\$45 million	To upgrade the system's 13 exchanges by replacing copper wire-based equipment with fiber-to-the-premises equipment
GA	Public Service Telephone Company	\$36 million	To connect 21,289 people, 569 businesses, 323 farms & 29 educational facilities to high-speed internet
PW	Palau National Communications Corporation	\$35 million	To connect 7,855 households and three educational facilities to high-speed internet
NM	Western New Mexico Telephone Company Inc.	\$35 million	To deploy a fiber-to-the-premises network to connect 678 people, 10 businesses and a farm to high-speed internet
AK	Bristol Bay Telephone Cooperative Inc.	\$35 million	The network will connect 844 people, 22 businesses and seven public schools to high-speed internet
MI	Upper Peninsula Telephone Company	\$35 million	To connect 1,625 people, 69 farms, 40 businesses and two educational facilities to highspeed internet
AK	Alaska Telephone Company	\$33 million	Funds will be used to deploy a fiber-to-the-premises network to connect 211 people and five businesses to high-speed internet
TX	Taylor Telephone Cooperative Inc.	\$32 million	To connect 1,060 people, 20 businesses and 450 farms to high-speed internet
AK	Unicom Inc.	\$31 million	The network will connect 2,165 people, 14 businesses and three public schools to high-speed internet

ReConnect Program – FY 2023 Awardees (5/5)

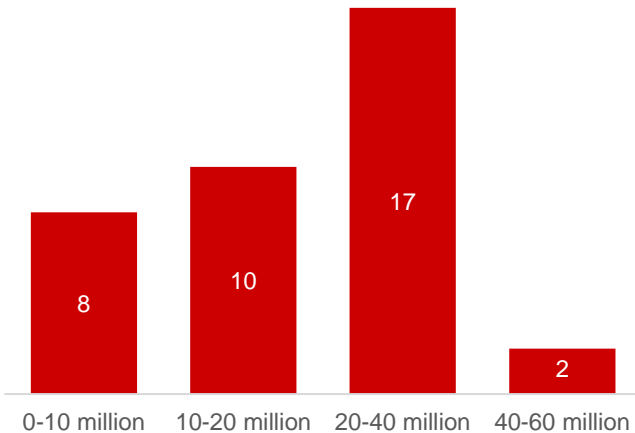
Funding by State

In Millions



Number of Projects by Funding Amount

X Axis In \$



Top 10 Recipients

State	Recipient	Funding	Description
KS	Craw-Kan Telephone Cooperative, Inc.	\$50 Million	To connect 4,189 people, 149 businesses, 821 farms and three educational facilities in Bourbon, Cherokee, Crawford, Labette and Neosho counties
NM/OK	Panhandle Telephone Cooperative, Inc.	\$43 Million	To connect 1,284 people, 36 businesses, 696 farms and three educational facilities in Beaver and Cimarron counties in Oklahoma and Union County in New Mexico
WA	Home Telephone Company, Inc.	\$36 Million	To connect 4,183 people, 138 businesses, 74 farms and seven educational facilities in Klickitat County in Washington
MT	Nemont Telephone Cooperative, Inc.	\$35 Million	To connect 2,350 people, 115 businesses, 63 farms and 18 educational facilities in Phillips, Roosevelt, Sheridan and Valley counties
AK	Interior Telephone Company	\$35 Million	To connect 1,601 people, 48 businesses and three educational facilities in Nome Census Area
AK	Mukluk Telephone Company, Incorporated	\$35 million	To connect 875 people, 30 businesses, and six educational facilities in Nome Census Area
ID/OR	Oregon Telephone Corporation	\$31 Million	To connect 7,302 people, 145 businesses, 505 farms and four educational facilities in Ada and Canyon counties in Idaho and Grant County in Oregon
OR	Beaver Creek Cooperative Telephone Company	\$31 Million	To connect 7,611 people, 202 businesses, 136 farms and six educational facilities in Clackamas County in Oregon
AR	Decatur Telephone Company	\$30 Million	To connect 5,444 people, 74 businesses, 257 farms and four educational facilities in Benton County in Arkansas
MO	Goodman Telephone Company, Inc.	\$29 million	To connect 6,889 people, 140 businesses, 206 farms and two educational facilities in McDonald and Newton counties in Missouri

Enabling Middle Mile Broadband Infrastructure Grant Program (1/3)

Key Facts

Funding Type:

New

Funding Pool:

USD \$1 billion

Program Type:

Direct competitive grant on technology-neutral basis

Period of Availability:

Through Sep-2026

Funding Mechanism:

Grant

Administer Entity:

National Telecommunications and Information Administration (“NTIA”)

Funding Objective

- Encourage the expansion and extension of middle mile infrastructure to reduce the cost of connecting unserved and underserved areas and to promote broadband connection resiliency

Use of Funds

- Can be used for the construction, improvement or acquisition of middle mile infrastructure
- Middle mile infrastructure means any broadband infrastructure that does not connect directly to an end-user location, including an anchor institution and includes:
 - Leased dark fiber, interoffice transport, backhaul, carrier-neutral internet exchange facilities, carrier-neutral submarine cable landing stations, undersea cables, transport connectivity to data centers, special access transport and other similar services
 - Wired or private wireless broadband infrastructure, including microwave capacity, radio tower access, and other services or infrastructure for a private wireless network, e.g., towers, fiber and microwave links

Eligible Recipients / Entities



State or a political subdivision of a state, Tribal government, technology company, electric utility, utility cooperative or public utility district, telecommunications company or cooperative, non-profit foundation, corporation, institution or association, regional planning counsel, Native entity and economic development authority

More than 235 applications were submitted totaling more than \$5.5 billion in funding request

Middle Mile Grant Program – NOFO (2/3)

Program Applicant Qualifications

- The recipient should be capable of carrying out the proposed project in a competent manner, including a plan to attract, train or retain an appropriately skilled and credentialed workforce
- Process of the financial, managerial, technical and operational capability to carry out the proposed project and operate the resulting middle mile broadband network

Prioritization Criteria

- The eligible entity adopts fiscally sustainable middle mile strategies
- Identified specific terrestrial and wireless last mile broadband providers that have:
 - Expressed written interest in interconnecting with middle mile infrastructure planned to be deployed by the eligible entity
 - Demonstrated sustainable business plans or adequate funding sources with respect to such interconnections
- Identified supplemental investments or in-kind support that will accelerate the completion of the planned project
- Demonstrated that the middle mile infrastructure will benefit national security interests of the United States and the Department of Defense

Key Dates

Application Deadline	September 30, 2022
Application Review and Selection	February 16, 2023
Expected date of Grants Award	March 1, 2023

Application Review Process

Initial Administrative and Eligibility Review

NTIA will conduct an initial review of timely received applications to determine eligibility, completeness and responsiveness to the minimum threshold requirements

Merit Review

Applications satisfying the review will be evaluated by at least three objective reviewers and will be scored on a scale of 0-100:

- Project purpose and benefits (60 points)
- Project sustainability (40 points)

Programmatic Review

- Prioritization: NTIA will prioritize the applications based on the mean score and the applications should meet at-least two of the five requirements set forth in the Act
- Review process: programmatic review will involve two steps

OICG Associate Administrator Review

- The OICG administrator will compose a list of the projects with the highest weighted scores and prepare a package of recommended awards for approval

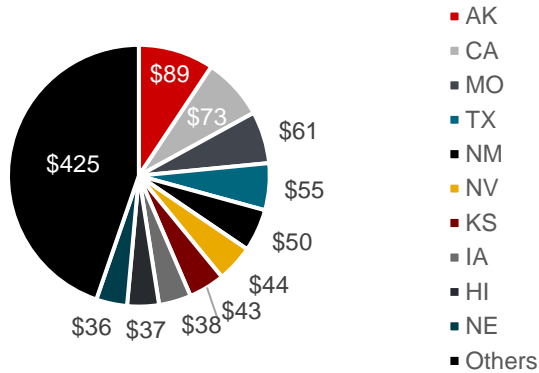
Final Project Selection

- The final approval of selected applications and the issuance of awards will be made by the NIST grants officer

Middle Mile Grant Program – FY 2022 Awardees (3/3)

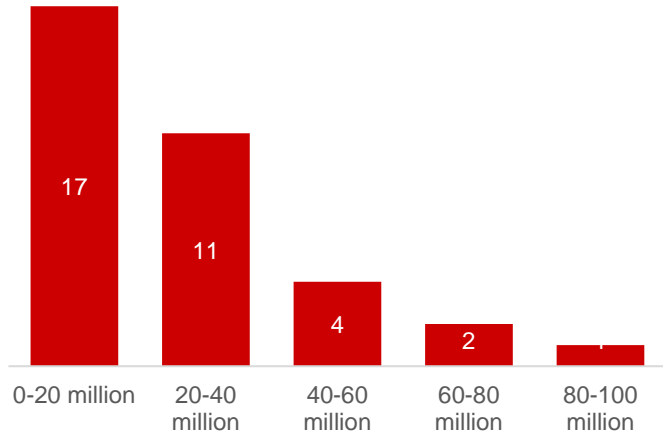
Funding by State

In Millions



Number of Projects by Funding Amount

X Axis In \$



Top 10 Recipients

State	Recipient	Funding	Counties Impacted
AK	QSH Parent Holdco LLC	\$89 Million	Nome, Kusilvak, Bristol Bay, Lake and Peninsula, Kenai Peninsula
CA	California Department of Technology	\$73 Million	Alameda, Butte, Calaveras, Contra Costa, El Dorado, Fresno, Kern, Los Angeles, Marin, Mariposa, Merced, Nevada etc.
MO	Peninsula Fiber Network, LLC	\$61 Million	Berrien, Van Buren, Allegan, Lapeer, Macomb, St. Clair, and Genesee
TX	Zayo, LLC	\$55 Million	Loving, Borden, Parker, Andrews, Tarrant, Gaines, Martin, Winkler, Shackelford, Fisher, Dallas, Scurry, Palo Pinto etc.
NM	ENMR Telephone Cooperative	\$50 Million	Bernalillo, Chaves, Colfax, Curry, De Baca, Doña Ana, Eddy, Guadalupe, Lea, Lincoln, Mora, Quay, Roosevelt etc.
NV	State of Nevada	\$43 million	Clark, Lincoln, White Pine, and Elko
KS	Kansas Department of Commerce	\$42 Million	Allen, Anderson, Bourbon, Butler, Cherokee, Clark, Coffey, Crawford, Finney, Franklin, Greenwood, Haskell, Jackson, Johnson, Kingman etc.
IA	Mid-American Energy Company	\$38 Million	Crawford, Fremont, Harrison, Mills, Page, Pottawattamie, Shelby, Cherokee, Ida, Monona, Plymouth, Sac, Sioux, Calhoun etc.
HI	Hawaiian Telcom, Inc.	\$37 Million	Kauai, Oahu, Molokai, Maui, and Hawaii
NE	Omaha Tribe of Nebraska	\$36 million	Thurston, Burt, Dakota, and Wayne, in Nebraska, and Pottawattamie and Monona in Iowa

Private Activity Bonds

Key Facts

Funding Type:

New

Funding Pool:

USD \$600 million

Program Type:

N/A

Period of Availability:

No end date

Funding Mechanism:

N/A

Administer Entity:

Local and State Governments

Funding Objective

- Authorizes state and local governments to use private activity bonds for rural broadband

Overview / Use of Funds

- The IIJA authorizes certain broadband projects as eligible activities for tax-exempt private activities bonds
- The private activity bond expansion gives state and local governments access to new financing options that may be used to expand their broadband infrastructure in a way that best serves their communities and connects households and businesses
- Allows to finance broadband deployment, specifically for projects in rural areas where most households do not have access to broadband

Project Qualifications



To qualify, the broadband service must be provided to one or more census blocks in which more than 50% of the residential households do not have access to fixed broadband services capable of delivering speed of 25/3 Mbps



To meet the required results, the PAB applicant must show that after completion of the project, residences or businesses within the eligible area have access to broadband service of speeds of at least 100/20 Mbps

Selected Programs : Funding Details

Funding Details till date (Millions in \$)

State	Affordable Connectivity Program	BEAD	Digital Equity Grant Program	Tribal Broadband Connectivity Technical Amendments Program
Alabama	0.76	1,401	0.98	0.00
Alaska	1.81	1,017	0.57	397.63
Arizona	2.11	993	1.12	159.44
Arkansas	2.14	1,024	0.84	0.00
California	6.46	1,864	4.00	162.53
Colorado	1.49	827	0.90	66.43
Connecticut	0.50	144	0.74	0.49
Delaware	0.00	108	0.52	0.00
Florida	1.02	1,170	2.41	0.50
Georgia	1.00	1,307	1.43	0.00
Hawaii	1.09	149	0.57	17.28
Idaho	0.28	583	0.56	22.98
Illinois	2.27	1,040	1.52	0.00
Indiana	1.87	868	0.84	0.00
Iowa	0.08	415	0.71	0.42
Kansas	0.50	452	0.69	4.71
Kentucky	0.53	1,086	0.87	0.00
Louisiana	0.94	1,356	0.94	2.87
Maine	1.23	272	0.54	1.00
Maryland	3.30	268	0.97	0.00
Massachusetts	0.55	147	1.00	9.13
Michigan	1.69	1,559	1.33	2.71
Minnesota	1.04	652	0.88	41.01
Mississippi	1.80	1,204	0.88	8.43
Missouri	1.68	1,736	0.83	0.00
Montana	0.50	629	0.60	142.98

State	Affordable Connectivity Program	BEAD	Digital Equity Grant Program	Tribal Broadband Connectivity Technical Amendments Program
Nebraska	0.50	405	0.60	41.25
Nevada	1.26	417	0.75	34.96
New Hampshire	0.00	197	0.53	0.00
New Jersey	1.92	264	1.18	0.00
New Mexico	1.50	675	0.74	186.76
New York	3.33	665	2.18	10.70
North Carolina	1.50	1,533	1.42	0.50
North Dakota	0.80	130	0.52	8.64
Ohio	2.46	794	1.47	0.00
Oklahoma	2.43	797	0.88	208.01
Oregon	1.36	689	0.78	24.47
Pennsylvania	1.15	1,162	1.60	0.00
Rhode Island	0.45	109	0.51	2.50
South Carolina	0.23	552	0.95	0.90
South Dakota	0.20	207	0.53	77.34
Tennessee	1.57	813	1.08	0.00
Texas	3.72	3,313	3.11	3.12
Utah	1.25	317	0.68	15.85
Vermont	0.50	229	0.52	0.00
Virginia	0.69	1,481	1.22	1.47
Washington	1.45	1,228	1.08	96.36
West Virginia	0.00	1,211	0.73	0.00
Wisconsin	1.39	1,056	0.95	36.52
Wyoming	0.47	348	0.53	0.00
District of Columbia	5.70	101	0.46	0.00
Puerto Rico	0.74	335	0.78	0.00

Broadband Projects in Procurement

Project	Description	Status Updates
<p>Carroll County High Speed Internet Network P3 Carroll County, OH Status: RFP</p>	<ul style="list-style-type: none"> The project involves development of high-speed internet network in Carroll County with P3. County is in the Blue Ridge Mountains and with a population of about 30,000 people. Project will have access to a minimum of 100 Mbps download/20 Mbps upload speeds for the residents 	<ul style="list-style-type: none"> Apr-2022 – Issued RFPQ
<p>City of Joplin Digital Expansion Plan Joplin City, MO Schedule: Short-Term</p>	<ul style="list-style-type: none"> The City of Joplin, Missouri has issued a request for proposal (RFP) as they seek consultants to assist with the development of a new digital expansion plan. The city intends to award a consulting service agreement and is requesting proposals to provide administration of broadband deployment and digital expansion initiatives 	<ul style="list-style-type: none"> Apr-2022 – Issued RFP for consultant
<p>Yamhill Broadband Expansion P3 Yamhill County, OR Schedule: Short-Term</p>	<ul style="list-style-type: none"> The project involves the expansion of broadband in rural areas, with the exploration of P3 potential 	<ul style="list-style-type: none"> Apr-2022 – Issued RFP for consultant
<p>Fremont Broadband Expansion P3 Fremont, CA Status: Preferred Bidder</p>	<ul style="list-style-type: none"> The city of Fremont is seeking a private partner to develop a fiber-optic network to support the current and future needs of government, business, anchor institutions and residents. The city's partner will leverage the city's existing and planned broadband infrastructure to support "smart city" initiatives, economic development, telehealth / remote education and will also support the city's traffic signal modernization 	<ul style="list-style-type: none"> Feb-2022 – Issued RFP (responses due on March 1, 2022) Sep-2022– Selected two teams as preferred bidders; (i) SmartWave Technologies (ii) Astound Business Solutions
<p>West Hollywood Fiber-Optic Broadband P3 West Hollywood, CA Status: RFP</p>	<ul style="list-style-type: none"> The city of West Hollywood is seeking a private partner for the development of a city-wide fiber-optic broadband network that will serve its residents and business. The city is considering to utilize its inventory of underground conduit, fiber-optic cable, and other assets to stimulate market competition, smart city technological advancements and economic development 	<ul style="list-style-type: none"> Jan-2022 – Columbia Telecommunications Corp. selected as project advisor Aug-2022 – Issued RFP Sept-2022 – Received four responses from: Plenary, SiFi Networks, Sonic, Spectrum

Broadband Projects in Procurement

Project	Description	Status Updates
<p>Cameron County Broadband Expansion P3 Cameron County, TX Status: RFP</p>	<ul style="list-style-type: none"> The project involves Cameron County's public-private partnership for a countywide broadband expansion project. The private partner will bear all of the costs of the network, including its design, engineering, construction, equipment and insurance, up to the end user drop point or network interface device. However, respondents can propose county funding for a portion of the cost of the project 	<ul style="list-style-type: none"> Feb-2023 – Issued RFP
<p>Boulder Broadband Expansion P3 City of Boulder, CO Schedule: Short-Term</p>	<ul style="list-style-type: none"> The project involves Boulder city's public-private partnership to expand broadband access. Boulder's initiative aims to enhance the broadband connectivity of the city's residents, businesses, and anchor institutions by expanding the range, quality, and market availability of broadband and data transport services. The city is currently building a city-wide, high-density, 432-strand fiber backbone that will connect key city and community sites, as well as most traffic signals 	<ul style="list-style-type: none"> Apr-2023 – Issued RFI

Planned Capital Improvements for Potential P3s – Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
Arizona			
Broadband expansion along Interstate 40 West from Flagstaff to the California border	<ul style="list-style-type: none"> I-40 West is a priority corridor for broadband network development, according to the Arizona Broadband Statewide Middle-Mile Strategic Plan and would bring connectivity to Coconino, Yavapai and Mohave counties, as well as to the underserved communities of Flagstaff, Bellemont, Williams, Ash Fork, Seligman and Kingman 	<ul style="list-style-type: none"> Funding - \$68 million 	<ul style="list-style-type: none"> Planned in early FY23
Broadband Project in City of Mesa	<ul style="list-style-type: none"> The city of Mesa, AZ, has issued a request for information (RFI) in connection with a proposal to have an open access fiber to the premises (FTTP) in the city. City leadership is looking for information on companies able to install and operate such a network, which the city expects to connect 264,000 premises and run 2,470 street miles 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> March-2022 - RFI due
Arkansas			
Broadband Plan in City of Keo	<ul style="list-style-type: none"> The City of Keo is working with non-profit organizations including Accelerate Arkansas to develop a plan to research and bring broadband to this area 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Survey Period - August 6th to September 15th
California			
Broadband development on 18 middle mile locations	<ul style="list-style-type: none"> The state has identified 18 projects to begin work on an open access middle-mile network that will provide missing infrastructure paths to bring broadband to all communities. The initial project locations are based on known unserved and underserved areas across the state 	<ul style="list-style-type: none"> Funding - \$6 billion (Including other projects) 	<ul style="list-style-type: none"> GoldenStateNet is in-charge of managing the development, construction and maintenance of the middle-mile network
Development of a Broadband Master Plan	<ul style="list-style-type: none"> The City of Vacaville seeks to develop a broadband infrastructure master plan that will guide the development of broadband infrastructure in the years and decades to come. City officials have identified three specific city goals central to the plan's development 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Issued RFP to develop broadband plan - September 30, 2021 Service agreement start date – Dec-2021

Planned Capital Improvements for Potential P3s – Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
California			
Sonoma County Broadband Network	<ul style="list-style-type: none"> The Sonoma County Economic Development Board to move forward on finalizing the broadband internet infrastructure design for unserved and underserved areas of unincorporated Sonoma County, consistent with the Resilient Infrastructure pillar of Sonoma County's Five-Year Strategic Plan 	<ul style="list-style-type: none"> Estimated Cost: \$292 million 	<ul style="list-style-type: none"> Design project is expected to be completed by June 2023 in partnership with the Golden State Connect Authority
Caltrans Middle Mile Broadband Project	<ul style="list-style-type: none"> Caltrans has selected a joint venture between Southland and Aecon Group Inc. (TSX: ARE), SA Connects, as the Construction Manager/General Contractor (CMGC) for the District 1 Middle-Mile Broadband Network project. SA Connects was selected for preconstruction services under the CMGC method, which enables the contractor to provide design and planning services. The scope of work includes installing 210 miles of middle-mile broadband network and repeater hubs to unserved and under-served communities 	<ul style="list-style-type: none"> Cost: \$65 million to \$80 million 	<ul style="list-style-type: none"> No Information Available
Colorado			
Broadband Development in Larimer County	<ul style="list-style-type: none"> The strategic plan of Larimer County identified 19 areas within the Loveland and Fort Collins GMAs that could be potential broadband expansion projects totaling approximately \$91 million. Of these, 10 areas were included in a National Telecommunications and Information Administration (NTIA) grant application totaling over \$28 million in project costs. In addition to these suburban areas, this plan identified another 15 rural broadband expansion projects totaling approximately \$262 million in two priority groups 	<ul style="list-style-type: none"> Total cost - \$353 million 	<ul style="list-style-type: none"> The county applied for \$27 million in NTIA grant funding. The County is also considering leveraging their \$60 million America Rescue Plan Act (ARPA) funds for broadband expansion
Broadband project in Southwest Colorado	<ul style="list-style-type: none"> The project involves planning to build out the critical "middle mile" of fiber-optic line needed to connect more homes, schools and businesses to high-speed internet in cooperation with the five counties and 10 municipalities, Region 9 has developed a plan for the project 	<ul style="list-style-type: none"> Estimated Cost: \$60 million 	<ul style="list-style-type: none"> No Information Available

Planned Capital Improvements for Potential P3s – Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
Florida			
Marion County Broadband Project	<ul style="list-style-type: none"> Marion County is partnering with Televate, a technology consulting firm, to help determine areas where internet services are needed or could be improved. The office has been rolling out broadband speed testing across Florida to better identify gaps in internet access. The resulting map will help local communities and internet service providers to assist with broadband planning efforts 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No Information Available
Idaho			
Idaho County North/South Fiber Link Feasibility Study	<ul style="list-style-type: none"> The Board of Idaho County Commissioners and District 2 Interoperability Group are requesting proposals from qualified firms interested in delivering a broadband feasibility study defining the feasibility of constructing a fiber link between the communities of Grangeville, ID in Idaho County, ID and New Meadows, ID in Adams County ID 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Notice of Award for feasibility study – Oct-2021
Illinois			
McHenry County Broadband Project	<ul style="list-style-type: none"> The McHenry County Connects initiative seeks to expand the county's existing fiber network, especially to rural and underserved areas lacking access to reliable service. The county has put out a request for Internet service providers interested in partnering to expand and maintain the network. McHenry County is examining two potential expansions into underserved areas 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> The county will aggressively seek funding for the expansion through the \$350 million that Illinois has already allocated for broadband projects through the American Rescue Plan Act and the Infrastructure Investment and Jobs Act
Iowa			
Fiber Network Construction	<ul style="list-style-type: none"> The City of Fort Dodge (owner) will be deploying a new FTTP (fiber-to-the premise) network. The owner intends to have the successful bidder construct the fiber optic outside plant for the FTTP System. The network consists of a conduit and fiber ring and a cabinet-based distribution from the ring. The FTTP network will require installation of fiber, conduit and typical network components 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Construction Start Due Date – Jun-2022
Broadband Infrastructure Study in Johnson County	<ul style="list-style-type: none"> The Johnson County seeks to engage a qualified engineering and/or qualified consulting firm to develop a detailed, technical and actionable broadband analysis for the entirety of the county with geographic emphasis on (1) the county's unincorporated areas, including identified rural economic development areas and villages and (2) the smaller towns 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Notifications to firm for broadband analysis by Feb-2022

Planned Capital Improvements for Potential P3s – Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
Iowa			
City of Waterloo Fiber Project	<ul style="list-style-type: none"> The goal of this project is to develop a fiber backbone to support city municipal operations, including utility operations, traffic, public safety and future smart city initiatives. The plan is to also help deliver next-generation fiber to the premise/home services enabling high-speed access to every home and business throughout Waterloo 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No Information Available
Kentucky			
Windstream - Kentucky Broadband Upgrades	<ul style="list-style-type: none"> Windstream announced that it is expanding its kinetic broadband service to the 5,000 residents of Knox County, Kentucky. As part of this expansion, the company either has or will have fiber in every county it serves in Kentucky over the next couple of years 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> From 2019 through 2021, Windstream invested more than \$211 million to expand broadband access in the Commonwealth. More than 120,000 locations had access to gig speeds at the end of 2021
Louisiana			
Louisiana Rural Broadband	<ul style="list-style-type: none"> The Internet & Television Association is excited to announce that its members have submitted applications for rural broadband projects worth more than \$169 million across 29 parishes for the first round of Louisiana's Granting Unserved Municipalities Broadband Opportunities Fund grant program (GUMBO) 	<ul style="list-style-type: none"> Total cost - \$170 million 	<ul style="list-style-type: none"> GUMBO provides grants to companies who provide high-speed internet to unserved and underserved areas at affordable prices for a minimum of five years. Those providers must also match at least 20% of the granted funds
Michigan			
Holland Fiber Network Project	<ul style="list-style-type: none"> Holland Board of Public Works received the green light to get to work on a city-wide fiber-optic internet network 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> Approved to issue up to \$30 million in bonds
Oklahoma			
Cherokee Nation Broadband Project	<ul style="list-style-type: none"> The plan is to construct more than 240 miles of fiber connectivity including telecommunications towers in a number of Cherokee communities currently lacking broadband in Adair, Delaware, Mayes, Cherokee and Sequoyah counties 	<ul style="list-style-type: none"> Funding: \$34 million 	<ul style="list-style-type: none"> Expected to begin in 2023

Planned Capital Improvements for Potential P3s – Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
Oregon			
Oregon City Fiber Optics Project	<ul style="list-style-type: none"> The Economic Development Dept. has partnered with Magellan Advisors, a leading authority that has worked with cities across the country. Magellan will help determine the scope and scale of a fiber backbone to meet Oregon City's growing needs and support broadband access for businesses and residents. The feasibility design will be accompanied with the best strategies to expand fiber for home services, leveraging the backbone to reduce cost and bring a new source of fiber to Oregon City. Magellan is expected to complete their work in September 2022 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No Information Available

Broadband Internet Service in City of St. Helens	<ul style="list-style-type: none"> The City of St. Helens is continuing to seek community feedback about bringing a high-quality, low-cost internet service to the St. Helens area through a public-private partnership. The network would provide residential and business coverage to everyone in St. Helens. Strategic Networks Group (SNG), the consulting group engaged to conduct the St. Helens residential and business eCheckups, has many success stories that show their approach to digging deep for data works 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> No Information Available
Pennsylvania			
Western Fiber Optic Network	<ul style="list-style-type: none"> The Pennsylvania Turnpike Commission (PTC) is developing a large-scale fiber optic broadband network to enhance its communications capacity. This broadband network will increase bandwidth and boost connectivity between the PTC's administrative buildings and support automated tolling capabilities, among other advanced telecommunications applications for improved safety and mobility. The fiber optic network project will also assist in extending broadband to underserved areas and will help to generate non-toll revenue through a unique partnership with the private sector 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> The PTC is planning to bid three contracts in the spring and summer of 2022

Prospective Projects for Broadband

	Project Description	Cost and Funding Plan (if available)	Actions taken to-date / additional commentary
Texas			
Pharr-San Juan-Alamo ISD Expansion Project	<ul style="list-style-type: none"> The project will feature about 398 miles of fiber optic cable and 24,000 residential and business accounts. The city could mean more cable and more affordable, high-speed Internet headed in the direction of San Juan and Alamo 	<ul style="list-style-type: none"> Estimated Cost: \$40 million 	<ul style="list-style-type: none"> Board of Trustees voted to enter into broadband Internet connectivity negotiations with the city of Pharr
Virginia			
Virginia Telecommunications Initiative (VATI) broadband	<ul style="list-style-type: none"> The project will expand facilities for residents and businesses in areas of Loudoun Counties which are part of the county's Virginia Telecommunications Initiative (VATI) broadband project with All Points Broadband (APB) 	<ul style="list-style-type: none"> Estimated Cost: \$61 million Funding: \$18 million 	<ul style="list-style-type: none"> Fiber installation on utility poles expected to begin the first quarter of 2023
Pittsylvania County Broadband Project	<ul style="list-style-type: none"> Pittsylvania County is taking a unique approach to one of the biggest challenges of expanding broadband in rural areas: the upfront cost of the infrastructure. The Pittsylvania County Board of Supervisors, the Pittsylvania County School Board and RiverStreet Networks, a North-Carolina based network provider that has expanded operations to Virginia, are working together to fund broadband infrastructure 	<ul style="list-style-type: none"> Cost: \$75 million 	<ul style="list-style-type: none"> No Information Available
West Virginia			
Huntington City Broadband Project	<ul style="list-style-type: none"> Huntington city officials are in the planning phase of the new "Smart City" project. The plan is to lay 183 miles of fiber throughout the entire city, which will completely blanket the city in fiber-optic cable 	<ul style="list-style-type: none"> N/A 	<ul style="list-style-type: none"> City council approved a governing board to oversee the work

Appendix A

Links to state broadband office websites

State	LINK
California	https://broadbandforall.cdt.ca.gov/
Texas	https://comptroller.texas.gov/programs/broadband/toolkit/
Florida	https://www.floridajobs.org/community-planning-and-development/broadband/office-of-broadband
New York	https://broadband.ny.gov/new-ny-broadband-program
Illinois	https://www2.illinois.gov/dceo/ConnectIllinois/Pages/ILOfficeofBroadband.aspx
Ohio	https://innovateohio.gov/priorities/resources/broadband/
North Carolina	https://www.ncbroadband.gov/
Michigan	https://www.michigan.gov/mpsc/consumer/telecommunications/broadband
Virginia	https://www.dhcd.virginia.gov/broadband
Washington	https://www.commerce.wa.gov/building-infrastructure/washington-statewide-broadband-frequently-asked-questions-office/
Indiana	https://www.in.gov/indianabroadband/
Missouri	https://ded.mo.gov/content/broadband-development
Massachusetts	https://broadband.masstech.org/
Maryland	https://dhcd.maryland.gov/Broadband/Pages/default.aspx
South Carolina	https://www.scdigitaldrive.org/

State	LINK
Wisconsin	https://psc.wi.gov/Pages/ServiceType/Broadband.aspx
Louisiana	https://connect.la.gov/
Colorado	https://broadband.colorado.gov/
Minnesota	https://mn.gov/deed/programs-services/broadband/
Kentucky	https://kentuckywired.ky.gov/Pages/index.aspx
Arkansas	https://broadband.arkansas.gov/
Oregon	https://www.oregon.gov/ode/schools-and-districts/Pages/State-E-Rate-Program-and-Broadband-Connectivity.aspx
New Mexico	https://www.broadbandfornewmexico.org/
Connecticut	https://portal.ct.gov/OCC/Telecom/Broadband/Broadband/Connecticut-State-Broadband-Office
West Virginia	https://broadband.wv.gov/
Kansas	https://www.kansascommerce.gov/testing-broadband-private/state-broadband-investment-programs/
Utah	https://business.utah.gov/broadband/
Hawaii	https://cca.hawaii.gov/broadband/
Idaho	https://commerce.idaho.gov/broadband/
Maine	https://www.maine.gov/connectme/communities-resources/Broadbandmapping

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