

2. BROADBAND INFRASTRUCTURE

Under the ARPA, recipient governments may use SLFRF funds to make “necessary investments in...broadband infrastructure.” In the Supplementary Information to the interim final rule, Treasury interpreted necessary investments in infrastructure as investments “designed to provide an adequate minimum level of service and [that] are unlikely to be made using private sources of funds.” Treasury explained that, with respect to broadband specifically, such necessary investments include projects that “establish [] or improve [] broadband service to underserved populations to reach an adequate level to permit a household to work or attend school, and that are unlikely to be met with private sources of funds.”

Summary of Interim Final Rule, Public Comments, and Treasury Response

Summary of Interim Final Rule: In implementing the ARPA, the interim final rule provided that eligible broadband infrastructure investments are limited to those that are designed to provide service to unserved or underserved households or businesses, defined as those that lack access to a wireline connection capable of reliably delivering at least minimum speeds of 25 Mbps download and 3 Mbps upload. The interim final rule also provided that eligible projects under the SLFRF are limited to those that are designed to deliver, upon project completion, service that reliably meets or exceeds symmetrical upload and download speeds of 100 Mbps. In instances where it would not be practicable for a project to deliver such service speeds because of the geography, topography, or excessive costs associated with such a project, the interim final rule provided that the project would be required to be designed to deliver, upon project completion, service that reliably meets or exceeds 100 Mbps download speed and between at

least 20 Mbps and 100 Mbps upload speeds and be scalable to a minimum of 100 Mbps symmetrical for download and upload speeds.

In addition, Treasury, in the Supplementary Information to the interim final rule, encouraged recipients to pursue a number of other objectives. First, Treasury encouraged recipients to prioritize investments in fiber-optic infrastructure wherever feasible and focus on projects that deliver a physical broadband connection by prioritizing projects that achieve last-mile connections. Second, Treasury encouraged recipients to integrate affordability options into their program design. Third, Treasury encouraged recipients to prioritize support for local networks owned, operated, or affiliated with local governments, nonprofits, and cooperatives. Fourth, Treasury encouraged recipients to avoid investing in locations with existing agreements to build reliable wireline service with minimum speeds of 100 Mbps download and 20 Mbps upload by December 31, 2024, in order to avoid duplication of efforts and resources. Finally, following release of the interim final rule, Treasury provided further guidance clarifying some aspects of broadband infrastructure eligibility, specifically on flexibility for recipients to determine eligible areas to be served,³²⁸ middle-mile projects,³²⁹ pre-project development costs,³³⁰ broadband connections to schools or libraries,³³¹ and the applicability of the National Environmental Policy Act (NEPA) and the Davis-Bacon Act.³³²

Summary of Public Comments: Treasury received several comments on the interim final rule's requirements regarding eligible areas for investment and build-to speed standards, as well as Treasury's encouragements in the Supplementary Information of the interim final rule. Many

³²⁸ See FAQ 6.8, 6.9, 6.11. Coronavirus State and Local Fiscal Recovery Funds, Frequently Asked Questions, as of July 19, 2021; <https://home.treasury.gov/system/files/136/SLFRPFAQ.pdf>.

³²⁹ See FAQ 6.10. *Id.*

³³⁰ See FAQ 6.12. *Id.*

³³¹ See FAQ 6.16. *Id.*

³³² See FAQ 6.4, 6.17. *Id.*

commenters found the interim final rule's requirement to limit projects to those designed to provide service to unserved or underserved households or businesses to be appropriately focused on hard-to-reach areas. In contrast, other commenters argued that this requirement was too restrictive and that it would limit the ability for some recipients, particularly local governments, to invest in broadband infrastructure.

Separately, some commenters supported the interim final rule's requirement that eligible projects be built to reliable speeds of 100 Mbps symmetrical, with an exception for areas where it was impracticable, and encouragement that projects be built with fiber-optic infrastructure, while a few others argued that the interim final rule should remain technology-neutral and that lower speed standards would be more appropriate for today's usage needs.

Summary of Treasury Response: In response to the comments, the final rule expands eligible areas for investment by requiring recipients to invest in projects designed to provide service to households and businesses with an identified need for additional broadband infrastructure investment, which would include but not be limited to a lack of broadband service reliably delivering certain speeds. In addition, as discussed further below, the final rule further supports the expansion of affordable access to broadband service for households by requiring that recipients use a provider that participates in a qualifying affordability plan. Treasury encourages recipients to prioritize projects that are designed to provide service to locations not currently served by a wireline connection that reliably delivers at least 100 Mbps of download speed and 20 Mbps of upload speed.

The final rule maintains the interim final rule's requirement that eligible projects be designed to, upon completion, reliably meet or exceed symmetrical 100 Mbps download and upload speeds. As was the case under the interim final rule, in cases where it is not practicable,

because of the excessive cost of the project or geography or topography of the area to be served by the project, eligible projects may be designed to reliably meet or exceed 100 Mbps download speed and between at least 20 Mbps and 100 Mbps upload speed and be scalable to a minimum of 100 Mbps download speed and 100 Mbps upload speed. Treasury continues to encourage recipients to prioritize investments in fiber-optic infrastructure wherever feasible and to focus on projects that will achieve last-mile connections, whether by focusing directly on funding last-mile projects or by ensuring that funded middle-mile projects have commitments in place to support new and/or improved last-mile service.

The final rule requires recipients to address the affordability needs of low-income consumers in accessing broadband networks funded by SLFRF, given that such a project cannot be considered a necessary investment in broadband infrastructure if it is not affordable to the population the project would serve. Recipients must require the service provider for a completed broadband infrastructure investment project that provides service to households to either participate in the Federal Communications Commission's (FCC) Affordable Connectivity Program (ACP), or otherwise provide access to a broad-based affordability program to low-income consumers in the proposed service area of the broadband infrastructure that provides benefits to households commensurate with those provided under the ACP.

Treasury also recognizes the importance of affordable broadband access for all consumers beyond those that are low-income. As part of their project selection process, recipients are encouraged to consult with the community on the general affordability needs of the target markets in the proposed service area. Additionally, recipients are encouraged to require that services provided by a broadband infrastructure project include at least one low-cost option offered without data usage caps and at speeds that are sufficient for a household with multiple

users to simultaneously telework and engage in remote learning. Recipients will be required to report speed, pricing, and any data allowance information as part of mandatory reporting to Treasury.

The final rule also clarifies that subsidies to households and communities impacted by the pandemic to access the internet, broadband adoption programs, digital literacy programs, and device programs are eligible programs to respond to the public health and negative economic impacts of the pandemic under sections 602(c)(1)(A) and 603(c)(1)(A). See section Assistance to Households in Negative Economic Impacts.

Treasury continues to encourage recipients to prioritize support for broadband networks owned, operated by, or affiliated with local governments, nonprofits, and cooperatives. In addition, to the extent recipients are considering deploying broadband to locations where there are existing enforceable federal or state funding commitments for reliable service at speeds of at least 100 Mbps download speed and 20 Mbps upload speed, recipients must ensure that SLFRF funds are designed to address an identified need for additional broadband investment that is not met by existing federal or state funding commitments. Recipients must also ensure that SLFRF funds will not be used for costs that will be reimbursed by the other federal or state funding streams. Further, Treasury highlights that recipients are subject to the prohibition on use of grant funds to procure or obtain certain telecommunications and video surveillance services or equipment as outlined in 2 C.F.R. 200.216 and 2 C.F.R. 200.471 and clarifies that modernization of cybersecurity for existing and new broadband networks are eligible uses of funds under sections 602(c)(1)(D) and 603(c)(1)(D).

Finally, the final rule incorporates guidance issued by Treasury following the interim final rule on middle-mile projects,³³³ pre-project development costs,³³⁴ broadband connections to schools or libraries,³³⁵ and applicability of the National Environmental Policy Act (NEPA) and Davis-Bacon Act.³³⁶

The remainder of this section provides additional details on the final rule. Specifically, these sections address: (1) eligible areas for investment; (2) build-to speed standards; (3) affordability; (4) public networks; (5) duplication of efforts and resources; (6) cybersecurity; and (7) use of funds to meet non-federal match under the Infrastructure Investment and Jobs Act.

Eligible Areas for Investment

The interim final rule limited eligible broadband investments to projects focused on delivering service to unserved or underserved locations, defined as households or businesses that lack access to a wireline connection capable of reliably delivering at least minimum speeds of 25 Mbps download and 3 Mbps upload. This targeted approach was generally consistent with certain speed thresholds used in other federal programs to identify eligible areas for federal investment in broadband infrastructure, such as the FCC's Rural Digital Opportunity Fund (RDOF) program and the National Telecommunication and Information Administration's (NTIA's) Broadband Infrastructure Program, and generally aligns with the FCC's benchmark for an "advanced telecommunications capability" for wireline broadband services.

³³³ See *FAQ 6.10. Coronavirus State and Local Fiscal Recovery Funds, Frequently Asked Questions*, as of July 19, 2021; <https://home.treasury.gov/system/files/136/SLFRPFAQ.pdf>.

³³⁴ See *FAQ 6.12. Id.*

³³⁵ See *FAQ 6.16. Id.*

³³⁶ See *FAQ 6.4, 6.17. Id.*

Public Comment: Many commenters discussed the disadvantages of such an approach. Some commenters, including several local government recipients, argued that limiting investments to locations without access to reliable wireline 25/3 Mbps³³⁷ was too restrictive because some urban jurisdictions are already mostly or entirely covered by a network with at least 25/3 Mbps speeds yet lack widespread broadband adoption for various reasons. Commenters suggested that recipients would benefit from greater flexibility to provide necessary investments in broadband access in areas that are nominally covered by speeds of at least 25/3 Mbps, such as to provide affordable broadband access in low-income areas or to address service quality and reliability issues. Further, commenters argued that Treasury's requirement that new projects meet minimum reliable speeds of 100 Mbps symmetrical was inconsistent with the requirement that broadband infrastructure projects focus on those with access to significantly lower speeds, and further noted that several states have already expanded the focus of their broadband programs beyond those without reliable access to speeds of 25/3 Mbps. Commenters argued that if the limitation to unserved and underserved households and businesses were maintained, the definition of unserved and underserved households and businesses should be revised to include households and businesses currently served by higher standards. Commenters proposed a number of alternative cutoff speeds, including 25/25 Mbps, 50/10 Mbps, and 100 Mbps-symmetrical. Others expressed support for providing flexibility for recipients to make their own determination on eligible areas for investment. These commenters referenced studies indicating that 25/3 Mbps is inadequate for today's modern household or business needs.

³³⁷ In the remainder of this Supplementary Information, "25/3 Mbps" refers to broadband infrastructure that is designed to reliably meet or exceed at least 25 Mbps download speeds and 3 Mbps upload speeds. "100 Mbps" symmetrical refers to broadband infrastructure that is designed to reliably meet or exceed at least 100 Mbps download speeds and 100 Mbps upload speeds.

Some commenters advocated for unserved and underserved areas to be prioritized while providing flexibility for recipients to serve areas beyond those designated as unserved or underserved. Reflecting the perceived restrictiveness of the interim final rule approach, some commenters asked for assurance that projects conducted under other categories of SLFRF eligible uses, specifically to respond to the public health and negative economic impacts of the pandemic under sections 602(c)(1)(A)-(C) and 603(c)(1)(A)-(C), were not barred by the presence of 25/3 Mbps service, including “gap networks,” which are networks designed to offer low-cost or no-cost internet access for lower-income households with low broadband adoption rates.

Commenters suggested additional factors to be incorporated in the consideration of locations that are eligible to be served. Many commenters suggested that affordability should be considered a key factor when determining whether a community has access to broadband, as the presence of 25/3 Mbps service does not necessarily mean the service is financially accessible to the area’s residents. Commenters noted that surveys indicate that affordability, not lack of coverage, is the most significant barrier for most Americans who do not have robust broadband service in their households. Some advocated that the final rule allow for investments in areas with existing reliable wireline access at or above 25/3 Mbps as long as existing broadband service has been unaffordable for a certain segment of the population; others advocated that Treasury presume eligibility when investments are made in certain areas, such as Qualified Census Tracts or neighborhoods with persistent poverty, or are made by Tribal governments. Separately, some commenters noted that Treasury should provide more clarification on what constitutes a “reliabl[e]” connection, including providing details as to latency, jitter, and other technical specifications that would meet that standard, and what it means for certain

technologies, such as copper and other outdated technologies, to be deemed presumptively unreliable.

Other commenters supported the interim final rule's approach on eligible areas for investment or suggested tightening eligibility even further. They argued that higher speed thresholds beyond 25/3 Mbps would likely lead to investments in or building of new broadband infrastructure in areas already served by broadband at speeds these commenters considered sufficient; these areas, commenters suggested, are less in need of federal assistance and permitting investments here could divert funding away from rural areas to more densely populated areas.

Treasury Response: The final rule expands eligible areas for investment by requiring recipients to invest in projects designed to provide service to households and businesses with an identified need for additional broadband infrastructure investment. Recipients have flexibility to identify a need for additional broadband infrastructure investment: examples of need include lack of access to a connection that reliably meets or exceeds symmetrical 100 Mbps download and upload speeds, lack of affordable access to broadband service, or lack of reliable broadband service. Recipients are encouraged to prioritize projects that are designed to provide service to locations not currently served by a wireline connection that reliably delivers at least 100 Mbps of download speed and 20 Mbps of upload speed, as many commenters indicated that those without such service constitute hard-to-reach areas in need of subsidized broadband deployment.

Households and businesses with an identified need for additional broadband infrastructure investment do not have to be the only ones in the service area served by an eligible broadband infrastructure project. Indeed, serving these households and businesses may require a

holistic approach that provides service to a wider area, for example, in order to make ongoing service of certain households or businesses within the service area economical.

Consistent with further guidance issued by Treasury,³³⁸ in determining areas for investment, recipients may choose to consider any available data, including but not limited to documentation of existing broadband internet service performance, federal and/or state collected broadband data, user speed test results, interviews with community members and business owners, reports from community organizations, and any other information they deem relevant.

In evaluating such data, recipients may take into account a variety of factors, including whether users actually receive internet service at or above the speed thresholds at all hours of the day, whether factors other than speed such as latency, jitter, or deterioration of the existing connections make their user experience unreliable, and whether the existing service is being delivered by legacy technologies, such as copper telephone lines (typically using Digital Subscriber Line technology) or early versions of cable system technology (DOCSIS 2.0 or earlier),³³⁹ and other factors related to the services to be provided by the project. In addition, recipients may consider the actual experience of current broadband customers when making their determinations; whether there is a provider serving the area that advertises or otherwise claims to

³³⁸ See *FAQ 6.11. Coronavirus State and Local Fiscal Recovery Funds, Frequently Asked Questions*, as of July 19, 2021; <https://home.treasury.gov/system/files/136/SLFRPFAQ.pdf>.

³³⁹ Legacy technologies such as copper telephone lines (typically using Digital Subscriber Line technology) and early versions of cable system technology (DOCSIS 2.0 or earlier) typically lag on speeds, latency, and other factors, as compared to more modern technologies like fiber-optic. See, e.g., https://www.fcc.gov/sites/default/files/tech_transitions_network_upgrades_that_may_affect_your_service.pdf (comparing copper to fiber and noting that copper wire networks have “limited speeds,” are “susceptible to signal interference/loss,” and have a “relatively short life”); <https://data.fcc.gov/download/measuring-broadband-america/2020/2020-Fixed-Measuring-Broadband-America-Report.pdf> (comparing fiber with DSL and cable technologies on a number of dimensions); <https://www.eff.org/wp/case-fiber-home-today-why-fiber-superior-medium-21st-century-broadband> (providing a technical background comparing fiber technology to other legacy technologies).

offer broadband at a given speed is not dispositive.

Build-to Speed Standards

The interim final rule provided that a recipient may use funds to make investments in broadband infrastructure that is designed to, upon completion, reliably meet or exceed symmetrical 100 Mbps download and upload speeds. In cases where it is not practicable, because of the excessive cost of the project or the geography or topography of the area to be served by the project, eligible projects may be designed to reliably meet or exceed 100 Mbps download speed and between at least 20 Mbps and 100 Mbps upload speed, so long as it is scalable to a minimum of 100 Mbps download speed and 100 Mbps upload speed. Relatedly, Treasury in the Supplementary Information to the interim final rule encouraged recipients to prioritize investments in fiber-optic infrastructure wherever feasible and to prioritize projects that achieve last-mile connections.

Public Comment: Many commenters discussed the advantages of setting minimum symmetrical download and upload speeds of reliable 100 Mbps as the speed threshold for new projects. Some commenters indicated support for the interim final rule's standard as it takes into account growing demands on internet use resulting from pandemic broadband usage and suggested that such a standard will help to ensure that networks built with SLFRF funds remain valuable for years to come, even as demands continue to accelerate, particularly on upload speeds. Some also indicated that the interim final rule standard has the effect of prioritizing the use of fiber-optic infrastructure to deliver such speeds, which some noted was a "gold standard" future-proof technology, although some commenters noted that other technologies like fixed wireless have been shown to deliver such speeds in certain circumstances.

Other commenters suggested that 100 Mbps symmetrical speeds were unnecessary given current broadband usage needs and that such high standards may have the potential to slow down expansion to unserved or underserved rural areas. Some argued that setting this symmetrical threshold may limit the type of technologies that can be used, thereby decreasing competition and limiting flexibility to recipients whose communities might be better served by technologies such as wireless solutions or inexpensive gap networks. Commenters suggested alternate minimum speeds, ranging from 25/3 Mbps (which some argued best balances reaching all communities and maximizing the impact of federal funds) to 100/20 Mbps (which some argued best serves the typical broadband usage patterns of households and businesses, including new pandemic-driven needs). A few commenters suggested a higher minimum speed, such as gigabit speeds, advocating that such speeds were necessary for a network to last at least a decade.

Many commenters supported the interim final rule's lower speed standards for projects where it is impracticable to meet minimum reliable speeds of 100 Mbps symmetrical, as it provides flexibility for recipients to invest in hard-to-reach areas, such as those in mountainous regions. A few commenters indicated that Treasury should more clearly define the characteristics of a location eligible for this exception. Some indicated that the minimum standard for all new projects should be 100 Mbps symmetrical. In contrast, others argued that scalability to 100 Mbps symmetrical should not be a requirement to meet today's demands, particularly in hard-to-reach areas.

Some commenters requested that Treasury clarify eligibility for middle-mile projects as these projects potentially provide connectivity to far-reaching areas, while other commenters suggested that last-mile projects generally require more capital investment and are therefore most in need of government support.

Treasury Response: The final rule maintains the interim final rule's requirement that eligible projects be designed to, upon completion, reliably meet or exceed symmetrical 100 Mbps download and upload speeds, with the interim final rule's exception for projects where it is impracticable to build to such speeds due to excessive cost, geography, or topography of the area to be served by the project. Given the build time associated with broadband infrastructure projects, these standards will enable SLFRF funds to fund lasting infrastructure that will be able to accommodate increased network demand once the network is complete,³⁴⁰ while providing flexibility for certain locations to meet lower speed standards where 100 Mbps symmetrical speeds are impracticable.

To illustrate the accelerating need for higher upload speeds, by one measure, mean upload speeds as of October 2021 increased to 75.21 Mbps as compared to 62.11 Mbps a year earlier.³⁴¹ Jurisdictions are increasingly responding to the growing demands of their communities for high speeds; for example, Illinois requires 100 Mbps symmetrical service as the construction standard for their state broadband grant programs. The 100 Mbps symmetrical standard accounts for increased pandemic internet usage and provides adequate upload speeds for individuals and businesses to accommodate interactive applications such as virtual learning and videoconferencing, while also helping ensure that funding is responsibly used to provide a true and lasting benefit for years to come. Treasury continues to encourage recipients to prioritize investments in fiber-optic infrastructure wherever feasible, as such advanced technology enables the next generation of application solutions for all communities and is capable of delivering

³⁴⁰ Using the Federal Communications Commission (FCC) Broadband Speed Guide, a household with two telecommuters and two to three remote learners today are estimated to need 100 Mbps download to work simultaneously. See Federal Communications Commission, Broadband Speed Guide, available at <https://www.fcc.gov/consumers/guides/broadband-speed-guide> (last visited October 28, 2021).

³⁴¹ United States' Mobile and Broadband Internet Speeds—Speedtest Global Index, available at <https://www.speedtest.net/global-index/united-states#fixed>.

superior, reliable performance and is generally most efficiently scalable to meet future needs.³⁴² In designing these projects, recipients should ensure that the broadband infrastructure provides “reliable” service at required speeds and are not required to rely on providers’ advertised speeds in their assessments.

Consistent with further guidance issued by Treasury,³⁴³ while recipients are permitted to make investments in “middle-mile” connections that otherwise satisfy the requirements of the final rule, Treasury continues to encourage recipients to focus on projects that will achieve last-mile connections—whether by focusing directly on funding last-mile projects or by ensuring that funded middle-mile projects have commitments in place to support new and/or improved last-mile service.

Affordability

The interim final rule encouraged recipients to consider ways to integrate affordability options into their program design but did not require recipients to take particular actions. The interim final rule also provided that assisting households with internet access and digital literacy is an eligible use of SLFRF funds under sections 602(c)(1)(A) and 603(c)(1)(A) to respond to the negative economic impacts of COVID-19.

Public Comment: Many commenters suggested that Treasury provide recipients with a broader set of tools to tackle what the commenters characterized as an affordability crisis in the broadband sector. As noted above, some commenters proposed that Treasury consider

³⁴² Bennett Cyphers, *The Case for Fiber to the Home, Today: Why Fiber is a Superior Medium for 21st Century Broadband*, Electronic Frontier Foundation (October 16, 2019), <https://www.eff.org/wp/case-fiber-home-today-why-fiber-superior-medium-21st-century-broadband>.

³⁴³ See *FAQ 6.10*, Coronavirus State and Local Fiscal Recovery Funds, Frequently Asked Questions, as of July 19, 2021; <https://home.treasury.gov/system/files/136/SLFRPFAQ.pdf>.

affordability when determining whether an area is unserved or underserved by broadband. Some commenters indicated that the final rule should allow for the construction of broadband networks in low-income neighborhoods including low-cost or no-cost gap networks, even in areas with existing service at the speeds required under the interim final rule. Other commenters voiced support for direct subsidies to low-income communities to afford broadband service, which would provide additional incentives for providers to serve these communities.

Treasury Response: In response to many commenters that highlighted the importance of affordability in providing meaningful access to necessary broadband infrastructure, the final rule provides additional requirements to address the affordability needs of low-income consumers in accessing broadband networks funded by SLFRF. Recipients must require the service provider for a completed broadband infrastructure investment project that provides service to households to:

- Participate in the Federal Communications Commission’s (FCC) Affordable Connectivity Program (ACP); or
- Otherwise provide access to a broad-based affordability program to low-income consumers in the proposed service area of the broadband infrastructure that provides benefits to households commensurate with those provided under the ACP.

Recipients must require providers to participate in or provide access to these programs through the life of the ACP. This requirement will no longer apply once the SLFRF-funded broadband infrastructure is no longer in use.

Furthermore, Treasury also recognizes the importance of affordable broadband access for all consumers beyond those that are low income. As part of their project selection process, recipients are encouraged to consult with the community on the general affordability needs of the

target markets in the proposed service area. Additionally, recipients are encouraged to require that services provided by a broadband infrastructure project include at least one low-cost option offered without data usage caps at speeds that are sufficient for a household with multiple users to simultaneously telework and engage in remote learning. Treasury will require recipients to report speed, pricing, and any data allowance information as part of their mandatory reporting to Treasury.

Further, Treasury is clarifying that, as a response to the public health and negative economic impacts of the pandemic, recipients may provide households and communities impacted by the pandemic with subsidies to help pay for internet service, digital literacy programs, broadband adoption programs, and device programs that provide discounted or no-cost devices for low-income households to access the internet. For further discussion of this eligible use category, see the section Internet Assistance in Assistance to Households in Public Health and Negative Economic Impacts.

Public Networks

The interim final rule encouraged recipients to prioritize support for local networks owned, operated, or affiliated with local governments, nonprofits, and cooperatives.

Public Comment: Many commenters voiced their support for Treasury's encouragement that recipients work with governmental or community entities to establish local networks, arguing that they have been shown to effectively provide broadband access to areas that would otherwise be left with unaffordable or insufficient service. These commenters suggested that, since these entities are less driven by financial returns to investment than private providers, in

some circumstances they may be able to provide robust service at a lower price as compared to private providers, along with potentially increasing local competition in a service area.

Other commenters argued against Treasury's encouragement, remarking that private businesses have a robust track record of serving hard-to-reach customers. These commenters argued that commercial providers have greater technical and operational expertise in deploying and operating broadband networks and may be able to construct broadband networks with greater efficiency. Additionally, some commenters argued that providing what they considered an unfair competitive advantage for government- or community-owned or operated networks may hurt consumers over time.

Treasury Response: The final rule maintains the interim final rule's encouragement for recipients to prioritize support for broadband networks owned, operated by, or affiliated with local governments, nonprofits, and cooperatives, given that these networks have less pressure to generate profits and a commitment to serve entire communities.³⁴⁴ This encouragement provides flexibility for recipients to select providers that best fit their needs, while noting the critical role that networks owned, operated, or affiliated with local governments and community organizations can play in providing sufficient coverage, affordable access, or increased competition in the broadband sector.

Duplication of Efforts and Resources

Public Comment: Some commenters raised concerns that Treasury's encouragement in the interim final rule that recipients avoid funding projects in locations with an existing

³⁴⁴ The Executive Office of the President, *Community-Based Broadband Solutions* (January 2015), https://obamawhitehouse.archives.gov/sites/default/files/docs/community-based_broadband_report_by_executive_office_of_the_president.pdf

agreement to provide service that reliably delivers 100/20 Mbps by December 31, 2024 was too restrictive. Commenters noted that many plans do not always lead to a successful and complete deployment, as issues may arise that prevent such infrastructure from deploying on time or at all, and that several existing federal grants were designed and awarded before the onset of the COVID-19 pandemic and do not meet the critical broadband needs highlighted by the pandemic. Other commenters argued that Treasury's encouragement to avoid duplication of resources should be strengthened, as investing in areas with existing agreements would be an inefficient duplication of efforts.

Treasury Response: Given the final rule's revised requirements on eligible areas for investment, the final rule also modifies the interim final rule's requirements around duplication of resources. Since recipients must ensure that the objective of the broadband projects is to serve locations with an identified need for additional broadband investment, the final rule provides that, to the extent recipients are considering deploying broadband to locations where there are existing enforceable federal or state funding commitments for reliable service at speeds of at least 100 Mbps download speed and 20 Mbps upload speed, recipients must ensure that SLFRF funds are designed to address an identified need for additional broadband investment that is not met by existing federal or state funding commitments. Recipients must also ensure that SLFRF funds will not be used for costs that will be reimbursed by the other federal or state funding streams.

Cybersecurity

Public Comment: Several commenters expressed concern about the cybersecurity of new broadband projects funded with SLFRF funds and urged Treasury to prohibit recipients from

utilizing SLFRF funds to procure equipment from certain providers from the People's Republic of China that may pose a national security risk. These commenters pointed out that the 2019 National Defense Authorization Act (NDAA) and the FCC's Universal Service Fund have similar prohibitions. Further, several commenters requested that Treasury explicitly include cybersecurity costs as an eligible use for broadband infrastructure investment given the growing threat of cyber-attacks and cyber-intrusions into the nation's infrastructure.

Treasury Response: Treasury highlights that investments in broadband infrastructure must be carried out in ways that comply with applicable federal laws, including the 2019 NDAA. Among other requirements contained in 2 C.F.R. Part 200, 2 C.F.R. 200.216 implements certain provisions of the NDAA and contains prohibitions on the use of federal financial assistance to procure or obtain certain telecommunications and video surveillance services or equipment provided or produced by designated entities, including certain entities owned or controlled by the People's Republic of China. In addition, 2 C.F.R. 200.471 provides that certain telecommunications and video surveillance costs associated with 2 C.F.R. 200.216 are unallowable.

Further, the final rule allows for modernization of cybersecurity for existing and new broadband infrastructure as an eligible use under sections 602(c)(1)(D) and 603(c)(1)(D) as such investments are necessary for the reliability and resiliency of broadband infrastructure.³⁴⁵ Recipients may provide necessary investments in cybersecurity, including modernization of hardware and software, for existing and new broadband infrastructure regardless of their speed delivery standards. The final rule maintains the interim final rule's provision that allows for

³⁴⁵ For more on the importance of cybersecurity to the reliability and resiliency of broadband networks, see: Federal Communications Commission, <https://docs.fcc.gov/public/attachments/FCC-10-63A1.doc>; Brookings Institute, *Protecting the Cybersecurity of America's Networks* (February 11, 2021), <https://www.brookings.edu/blog/techtank/2021/02/11/protecting-the-cybersecurity-of-americas-networks/>.

broader modernization of cybersecurity, including hardware, software, and protection of critical infrastructure as an eligible provision of government services, to the extent of revenue loss due to the pandemic, under sections 602(c)(1)(C) and 603(c)(1)(C).

Use of Funds to Meet Non-federal Match under the Infrastructure Investment and Jobs Act

The Infrastructure Investment and Jobs Act specifies that, except as otherwise provided, an entity using funding under section 60102 of the law for broadband deployment “shall provide, or require a subgrantee to provide, a contribution, derived from non-Federal funds (or funds from a Federal regional commission or authority) . . . of not less than 25 percent of project costs.”³⁴⁶ It further states that the matching contribution may include funds provided to an eligible entity or subgrantee under the American Rescue Plan Act for the purpose of deployment of broadband service, which includes funds provided under the SLFRF program.

SLFRF and the program established under section 60102 of the Infrastructure Investment and Jobs Act are separate programs with separate requirements. While section 60102 allows states and other eligible entities to use SLFRF funds as the source of matching funds for broadband deployment, the requirements of the SLFRF program still apply. As such, recipients that use SLFRF funds to meet the section 60102 matching requirement will continue to be subject to the requirements of the SLFRF program.

³⁴⁶ See Infrastructure Investment and Jobs Act, Pub. L. No. 117-58 (2021).