conservation, efficiency, and reuse measures, watershed pilot projects, energy efficiency measures for publicly-owned treatment works, water reuse projects, security measures at publicly-owned treatment works, and technical assistance to ensure compliance with the Clean Water Act.

As mentioned in the Interim Final Rule, eligible projects under the DWSRF and CWSRF support efforts to address climate change, as well as to meet cybersecurity needs to protect water and sewer infrastructure. Given the lifelong impacts of lead exposure for children, and the widespread nature of lead service lines, Treasury also encourages recipients to consider projects to replace lead service lines.

6.2. May construction on eligible water, sewer, or broadband infrastructure projects continue past December 31, 2024, assuming funds have been obligated prior to that date?

Yes. Treasury is interpreting the requirement that costs be incurred by December 31, 2024 to only require that recipients have obligated the funds by such date. The period of performance will run until December 31, 2026, which will provide recipients a reasonable amount of time to complete projects funded with Fiscal Recovery Funds.

6.3. May recipients use funds as a non-federal match for the Clean Water State Revolving Fund (CWSRF) or Drinking Water State Revolving Fund (DWSRF)?

Recipients may not use funds as a state match for the CWSRF and DWSRF due to prohibitions in utilizing federal funds as a state match in the authorizing statutes and regulations of the CWSRF and DWSRF.

6.4. Does the National Environmental Policy Act (NEPA) apply to eligible infrastructure projects?

NEPA does not apply to Treasury's administration of the Funds. Projects supported with payments from the Funds may still be subject to NEPA review if they are also funded by other federal financial assistance programs.

6.5. What types of broadband projects are eligible?

The Interim Final Rule requires eligible projects to reliably deliver minimum speeds of 100 Mbps download and 100 Mbps upload. In cases where it is impracticable due to geography, topography, or financial cost to meet those standards, projects must reliably deliver at least 100 Mbps download speed, at least 20 Mbps upload speed, and be scalable to a minimum of 100 Mbps download speed and 100 Mbps upload speed.

Projects must also be designed to serve unserved or underserved households and businesses, defined as those that are not currently served by a wireline connection that reliably delivers at least 25 Mbps download speed and 3 Mbps of upload speed.

6.6. For broadband investments, may recipients use funds for related programs such as cybersecurity or digital literacy training?

Yes. Recipients may use funds to provide assistance to households facing negative economic impacts due to Covid-19, including digital literacy training and other programs that promote access to the Internet. Recipients may also use funds for modernization of cybersecurity, including hardware, software, and protection of critical infrastructure, as part of provision of government services up to the amount of revenue lost due to the public health emergency.

6.7. How do I know if a water, sewer, or broadband project is an eligible use of funds? Do I need pre-approval? [6/8]

Recipients do not need approval from Treasury to determine whether an investment in a water, sewer, or broadband project is eligible under CSFRF/CLFRF. Each recipient should review the Interim Final Rule (IFR), along with the preamble to the Interim Final Rule, in order to make its own assessment of whether its intended project meets the eligibility criteria in the IFR. A recipient that makes its own determination that a project meets the eligibility criteria as outlined in the IFR may pursue the project as a CSFRF/CLFRF project without pre-approval from Treasury. Local government recipients similarly do not need state approval to determine that a project is eligible under CSFRF/CLFRF. However, recipients should be cognizant of other federal or state laws or regulations that may apply to construction projects independent of CSFRF/CLFRF funding conditions and that may require pre-approval.

For water and sewer projects, the IFR refers to the EPA Drinking Water and Clean Water State Revolving Funds (SRFs) for the categories of projects and activities that are eligible for funding. Recipients should look at the relevant federal statutes, regulations, and guidance issued by the EPA to determine whether a water or sewer project is eligible. Of note, the IFR does not incorporate any other requirements contained in the federal statutes governing the SRFs or any conditions or requirements that individual states may place on their use of SRFs.

6.8. For broadband infrastructure investments, what does the requirement that infrastructure "be designed to" provide service to unserved or underserved households and businesses mean? [6/17]

Designing infrastructure investments to provide service to unserved or underserved households or businesses means prioritizing deployment of infrastructure that will bring service to households or businesses that are not currently serviced by a wireline connection that reliably delivers at least 25 Mbps download speed and 3 Mbps of upload speed. To meet this requirement, states and localities should use funds to deploy broadband infrastructure projects whose objective is to provide service to unserved or underserved households or businesses. These unserved or underserved households or businesses do not need to be the only ones in the service area funded by the project.

6.9. For broadband infrastructure to provide service to "unserved or underserved households or businesses," must every house or business in the service area be unserved or underserved? [6/17]

No. It suffices that an objective of the project is to provide service to unserved or underserved households or businesses. Doing so may involve a holistic approach that provides service to a wider area in order, for example, to make the ongoing service of unserved or underserved households or businesses within the service area economical. Unserved or underserved households or businesses need not be the *only* households or businesses in the service area receiving funds.

6.10. May recipients use payments from the Funds for "middle mile" broadband projects? [6/17]

Yes. Under the Interim Final Rule, recipients may use payments from the Funds for "middle-mile projects," but Treasury encourages recipients to focus on projects that will achieve last-mile connections—whether by focusing on funding last-mile projects or by ensuring that funded middle-mile projects have potential or partnered last-mile networks that could or would leverage the middle-mile network.

6.11. For broadband infrastructure investments, what does the requirement to "reliably" meet or exceed a broadband speed threshold mean? [6/17]

In the Interim Final Rule, the term "reliably" is used in two places: to identify areas that are eligible to be the subject of broadband infrastructure investments and to identify expectations for acceptable service levels for broadband investments funded by the Coronavirus State and Local Fiscal Recovery Funds. In particular:

- The IFR defines "unserved or underserved households or businesses" to mean one or more households or businesses that are not currently served by a wireline connection that reliably delivers at least 25 Mbps download speeds and 3 Mbps of upload speeds.

- The IFR provides that a recipient may use Coronavirus State and Local Fiscal Recovery Funds to make investments in broadband infrastructure that are designed to provide service to unserved or underserved households or businesses and that are designed to, upon completion: (i) reliably meet or exceed symmetrical 100 Mbps download speed and upload speeds; or (ii) in limited cases, reliably meet or exceed 100 Mbps download speed and between 20 Mbps and 100 Mbps upload speed and be scalable to a minimum of 100 Mbps download and upload speeds.

The use of "reliably" in the IFR provides recipients with significant discretion to assess whether the households and businesses in the area to be served by a project have access to wireline broadband service that can actually and consistently meet the specified thresholds of at least 25Mbps/3Mbps—i.e., to consider the actual experience of current wireline broadband customers that subscribe to services at or above the 25 Mbps/3 Mbps threshold. Whether there is a provider serving the area that advertises or otherwise claims to offer speeds that meet the 25 Mbps download and 3 Mbps upload speed thresholds is not dispositive.

When making these assessments, recipients may choose to consider any available data, including but not limited to documentation of existing service performance, federal and/or state-collected broadband data, user speed test results, interviews with residents and business owners, 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 service at or above the speed thresholds at all hours of the day, whether factors other than speed such as latency or jitter, or deterioration of the existing connections make the 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).

The IFR also provides recipients with significant discretion as to how they will assess whether the project itself has been designed to provide households and businesses with broadband services that meet, or even exceed, the speed thresholds provided in the rule.

6.12. May recipients use Funds for pre-project development for eligible water, sewer, and broadband projects? [6/23]

Yes. To determine whether Funds can be used on pre-project development for an eligible water or sewer project, recipients should consult whether the pre-project development use or cost is eligible under the Drinking Water and Clean Water State Revolving Funds (CWSRF and DWSRF, respectively). Generally, the CWSRF and DWSRF often allow for pre-project development costs that are tied to an eligible project, as well as those that are reasonably expected to lead to a project. For example, the DWSRF allows for planning and evaluations uses, as well as numerous pre-project development costs, including costs associated with obtaining project authorization, planning and design, and project start-up like training and warranty for equipment. Likewise, the CWSRF allows for broad pre-project development, including planning and assessment activities, such as cost and effectiveness analyses, water/energy audits and conservation plans, and capital improvement plans.

Similarly, pre-project development uses and costs for broadband projects should be tied to an eligible broadband project or reasonably expected to lead to such a project. For example, pre-project costs associated with planning and engineering for an eligible broadband infrastructure build-out is considered an eligible use of funds, as well as technical assistance and evaluations that would reasonably be expected to lead to commencement of an eligible project (e.g., broadband mapping for the purposes of finding an eligible area for investment).

All funds must be obligated within the statutory period between March 3, 2021 and December 31, 2024, and expended to cover such obligations by December 31, 2026.

6.13. May State and Local Fiscal Recovery Funds be used to support energy or electrification infrastructure that would be used to power new water treatment plants and wastewater systems? [7/14]

The EPA's Overview of Clean Water State Revolving Fund Eligibilities describes eligible energy-related projects. This includes a "[p]ro rata share of capital costs of offsite clean energy facilities that provide power to a treatment works." Thus, State and Local Fiscal Recovery Funds may be used to finance the generation and delivery of clean power to a wastewater system or a water treatment plant on a pro-rata basis. If the wastewater system or water treatment plant is the sole user of the clean energy, the full cost would be considered an eligible use of funds. If the clean energy provider provides power to other entities, only the proportionate share used by the water treatment plant or wastewater system would be an eligible use of State and Local Fiscal Recovery Funds.

6.14. How should states and local governments assess whether a stormwater management project, such as a culvert replacement, is an eligible project for State and Local Fiscal Recovery Funds? [7/14]

FAQ 6.7 describes the overall approach that recipients may take to evaluate the eligibility of water or sewer projects. For stormwater management projects specifically, as noted in the EPA's Overview of Clean Water State Revolving Fund Eligibilities, "Stormwater projects must have a water quality benefit." Thus, to be eligible under CSFRF/CLFRF, stormwater management projects should be designed to incorporate water quality benefits consistent with the goals of the Clean Water Act. Summary of the Clean Water Act.

6.15. May recipients use Funds for road repairs and upgrades that occur in connection with an eligible water or sewer project? [7/14]

Yes, recipients may use State and Local Fiscal Recovery Funds for road repairs and upgrades directly related to an eligible water or sewer project. For example, a recipient could use Funds to repair or re-pave a road following eligible sewer repair work beneath it. However, use of Funds for general infrastructure projects is subject to the limitations described in FAQ 4.2. Water and sewer infrastructure projects are often a single component of a broader transportation infrastructure project, for example, the implementation of stormwater infrastructure to meet Clean Water Act established water quality standards. In this example, the components of the infrastructure project that interact directly with the stormwater infrastructure project may be funded by Fiscal Recovery Funds.

6.16. May Funds be used to build or upgrade broadband connections to schools or libraries? [7/14]

As outlined in the IFR, recipients may use Fiscal Recovery Funds to invest in broadband infrastructure that, wherever it is practicable to do so, is designed to deliver service that reliably meets or exceeds symmetrical upload and download speeds of 100 Mbps to households or businesses that are not currently serviced by a wireline connection that reliably delivers at least 25 Mbps download speed and 3 Mbps of upload speed. Treasury interprets "businesses" in this context broadly to include non-residential users of broadband, including private businesses and institutions that serve the public, such as schools, libraries, healthcare facilities, and public safety organizations.

6.17. Are eligible infrastructure projects subject to the Davis-Bacon Act? [7/14]

The Davis-Bacon Act requirements (prevailing wage rates) do not apply to projects funded solely with award funds from the CSFRF/CLFRF program, except for CSFRF/CLFRF-funded construction projects undertaken by the District of Columbia. The Davis-Bacon Act specifically applies to the District of Columbia when it uses federal funds (CSFRF/CLFRF funds or otherwise) to enter into contracts over $2,000 for the construction, alteration, or repair (including painting and decorating) of public buildings or public works. Recipients may be otherwise subject to the requirements of the Davis-Bacon Act, when CSFRF/CLFRF award funds are used on a construction project in conjunction with funds from another federal program that requires enforcement of the Davis-Bacon Act. Additionally, corollary state prevailing-wage-in-construction laws (commonly known as "baby Davis-Bacon Acts") may apply to projects. Please refer to FAQ 4.10 concerning projects funded with both CSFRF/CLFRF funds and other sources of funding.

Treasury has indicated in its Interim Final Rule that it is important that necessary investments in water, sewer, or broadband infrastructure be carried out in ways that produce high-quality infrastructure, avert disruptive and costly delays, and promote efficiency. Treasury encourages recipients to ensure that water, sewer, and broadband projects use strong labor standards, including project labor agreements and community benefits agreements that offer wages at or above the prevailing rate and include local hire provisions, not only to promote effective and efficient delivery of high-quality infrastructure projects, but also to support the economic recovery through strong employment opportunities for workers. Using these practices in construction projects may help to ensure a reliable supply of skilled labor that would minimize disruptions, such as those associated with labor disputes or workplace injuries.
Treasury has also indicated in its reporting guidance that recipients will need to provide documentation of wages and labor standards for infrastructure projects over $10 million, and that that these requirements can be met with certifications that the project is in compliance with the Davis-Bacon Act (or related state laws, commonly known as "baby Davis-Bacon Acts") and subject to a project labor agreement. Please refer to the Reporting and Compliance Guidance, page 21, for more detailed information on the reporting requirement.

19 public health emergency. Discuss the advantages and disadvantages of this presumption, including when, if ever, during the covered period it would be appropriate to reevaluate the presumption that all losses are attributable to the COVID–19 public health emergency.

Question 16: Do recipients anticipate lagged revenue effects of the public health emergency? If so, when would these lagged effects be expected to occur, and what can Treasury to do support these recipients through its implementation of the program?

Question 17: In the interim final rule, paying interest or principal on government debt is not considered provision of a government service. Discuss the advantages and disadvantages of this approach, including circumstances in which paying interest or principal on government debt could be considered provision of a government service.

D. Investments in Infrastructure

To assist in meeting the critical need for investments and improvements to existing infrastructure in water, sewer, and broadband, the Fiscal Recovery Funds provide funds to State, local, and Tribal governments to make necessary investments in these sectors. The interim final rule outlines eligible uses within each category, allowing for a broad range of necessary investments in projects that improve access to clean drinking water, improve wastewater and stormwater infrastructure systems, and provide access to high-quality broadband service. Necessary investments are designed to provide an adequate minimum level of service and are unlikely to be made using private sources of funds. Necessary investments include projects that are required to maintain a level of service that, at least, meets applicable health-based standards, taking into account resilience to climate change, or establishes or improves broadband service to unserved or 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.[124]

It is important that necessary investments in water, sewer, or broadband infrastructure be carried out in ways that produce high-quality infrastructure, avert disruptive and costly delays, and promote efficiency. Treasury encourages recipients to ensure that water, sewer, and broadband projects use strong labor standards, including project labor agreements and community benefits agreements that offer wages at or above the prevailing rate and include local hire provisions, not only to promote effective and efficient delivery of high-quality infrastructure projects but also to support the economic recovery through strong employment opportunities for workers. Using these practices in construction projects may help to ensure a reliable supply of skilled labor that would minimize disruptions, such as those associated with labor disputes or workplace injuries.

To provide public transparency on whether projects are using practices that promote on-time and on-budget delivery, Treasury will seek information from recipients on their workforce plans and practices related to water, sewer, and broadband projects undertaken with Fiscal Recovery Funds. Treasury will provide additional guidance and instructions on the reporting requirements at a later date.

1. Water and Sewer Infrastructure

The ARPA provides funds to State, local, and Tribal governments to make necessary investments in water and sewer infrastructure.[125] By permitting funds to be used for water and sewer infrastructure needs, Congress recognized the critical role that clean drinking water and services for the collection and treatment of wastewater and stormwater play in protecting public health. Understanding that State, local, and Tribal governments have a broad range of water and sewer infrastructure needs, the interim final rule provides these governments with wide latitude to identify investments in water and sewer infrastructure that are of the highest priority for their own communities, which may include projects on privately-owned infrastructure. The interim final rule does this by aligning eligible uses of the Fiscal Recovery Funds with the wide range of types or categories of projects that would be eligible to receive financial assistance through the Environmental Protection Agency's (EPA) Clean Water State Revolving Fund (CWSRF) or Drinking Water State Revolving Fund (DWSRF).[126]

Established by the 1987 amendments[127] to the Clean Water Act (CWA),[128] the CWSRF provides financial assistance for a wide range of water infrastructure projects to improve water quality and address water pollution in a way that enables each State to address and prioritize the needs of their populations. The types of projects eligible for CWSRF assistance include projects to construct, improve, and repair wastewater treatment plants, control non-point sources of pollution, improve resilience of infrastructure to severe weather events, create green infrastructure, and protect waterbodies from pollution.[129] Each of the 51 State programs established under the CWSRF have the flexibility to direct funding to their particular environmental needs, and each State may also have its own statutes, rules, and regulations that guide project eligibility.[130]

The DWSRF was modeled on the CWSRF and created as part of the 1996 amendments to the Safe Drinking Water Act (SDWA),[131] with the principal objective of helping public water systems obtain financing for improvements necessary to protect public health and comply with drinking water regulations.[132] Like the CWSRF,

[124] Treasury notes that using funds to support or oppose collective bargaining would not be included as part of ''necessary investments in water, sewer, or broadband infrastructure.''

[125] Sections 602(c)(1)(D), 603(c)(1)(D) of the Act.

[126] Environmental Protection Agency, Drinking Water State Revolving fund, *https://www.epa.gov/dwsrf* (last visited Apr. 30, 2021); Environmental Protection Agency, Clean Water State Revolving Fund, *https://www.epa.gov/cwsrf* (last visited Apr. 30, 2021).

[127] Water Quality Act of 1987, Public Law 100–4.

[128] Federal Water Pollution Control Act as amended, codified at 33 U.S.C. 1251 *et seq.*, common name (Clean Water Act). In 2009, the American Recovery and Reinvestment Act created the Green Project Reserve, which increased the focus on green infrastructure, water and energy efficient, and environmentally innovative projects. Public Law 111–5. The CWA was amended by the Water Resources Reform and Development Act of 2014 to further expand the CWSRF's eligibilities. Public Law 113–121. *The CWSRF's eligibilities were further expanded in 2018 by the America's Water Infrastructure Act of 2018, Public Law 115–270.*

[129] *See* Environmental Protection Agency, The Drinking Water State Revolving Funds: Financing America's Drinking Water, EPA–816–R–00–023 (Nov. 2000), *https://nepis.epa.gov/Exe/ZyPDF.cgi/200024WB.PDF?Dockey=200024WB.PDF; See also* Environmental Protection Agency, *Learn About the Clean Water State Revolving Fund, https://www.epa.gov/cwsrf/learn-about-clean-water-state-revolving-fund-cwsrf (last visited Apr. 30, 2021).*

[130] 33 U.S.C. 1383(c). *See also Environmental Protection Agency, Overview of Clean Water State Revolving Fund Eligibilities (May 2016), https://www.epa.gov/sites/production/files/2016-07/documents/overview_of_cwsrf_eligibilities_may_2016.pdf; Claudia Copeland, Clean Water Act: A Summary of the Law, Congressional Research Service (Oct. 18, 2016), https://fas.org/sgp/crs/misc/RL30030.pdf; Jonathan L Ramseur, Wastewater Infrastructure: Overview, Funding, and Legislative Developments, Congressional Research Service (May 22, 2018), https://fas.org/sgp/crs/misc/R44963.pdf.*

[131] 42 U.S.C. 300j–12.

[132] Environmental Protection Agency, Drinking Water State Revolving Fund Eligibility Handbook, (June 2017), *https://www.epa.gov/sites/production/files/2017-06/documents/dwsrf_eligibility_handbook_june_13_2017_updated_508_version.pdf;* Environmental Protection Agency, Drinking Water

the DWSRF provides States with the flexibility to meet the needs of their populations.[133] The primary use of DWSRF funds is to assist communities in making water infrastructure capital improvements, including the installation and replacement of failing treatment and distribution systems.[134] In administering these programs, States must give priority to projects that ensure compliance with applicable health and environmental safety requirements; address the most serious risks to human health; and assist systems most in need on a per household basis according to State affordability criteria.[135]

By aligning use of Fiscal Recovery Funds with the categories or types of eligible projects under the existing EPA state revolving fund programs, the interim final rule provides recipients with the flexibility to respond to the needs of their communities while ensuring that investments in water and sewer infrastructure made using Fiscal Recovery Funds are necessary. As discussed above, the CWSRF and DWSRF were designed to provide funding for projects that protect public health and safety by ensuring compliance with wastewater and drinking water health standards.[136] The need to provide funding through the state revolving funds suggests that these projects are less likely to be addressed with private sources of funding; for example, by remediating failing or inadequate infrastructure, much of which is publicly owned, and by addressing non-point sources of pollution. This approach of aligning with the EPA state revolving fund programs also supports expedited project identification and investment so that needed relief for the people and communities most affected by the pandemic can deployed expeditiously and have a positive impact on their health and wellbeing as soon as possible. Further, the interim final rule is intended to preserve flexibility for award recipients to direct funding to their own particular needs and priorities and would not preclude recipients from applying their own additional project eligibility criteria.

In addition, responding to the immediate needs of the COVID–19 public health emergency may have diverted both personnel and financial resources from other State, local, and Tribal priorities, including projects to ensure compliance with applicable water health and quality standards and provide safe drinking and usable water.[137] Through sections 602(c)(1)(D) and 603(c)(1)(D), the ARPA provides resources to address these needs. Moreover, using Fiscal Recovery Funds in accordance with the priorities of the CWA and SWDA to ''assist systems most in need on a per household basis according to state affordability criteria'' would also have the benefit of providing vulnerable populations with safe drinking water that is critical to their health and, thus, their ability to work and learn.[138]

Recipients may use Fiscal Recovery Funds to invest in a broad range of projects that improve drinking water infrastructure, such as building or upgrading facilities and transmission, distribution, and storage systems, including replacement of lead service lines. Given the lifelong impacts of lead exposure for children, and the widespread nature of lead service lines, Treasury encourages recipients to consider projects to replace lead service lines.

Fiscal Recovery Funds may also be used to support the consolidation or establishment of drinking water systems. With respect to wastewater infrastructure, recipients may use Fiscal Recovery Funds to construct publicly owned treatment infrastructure, manage and treat stormwater or subsurface drainage water, facilitate water reuse, and secure publicly owned treatment works, among other uses. Finally, consistent with the CWSRF and DWSRF, Fiscal Recovery Funds may be used for cybersecurity needs to protect water or sewer infrastructure, such as developing effective cybersecurity practices and measures at drinking water systems and publicly owned treatment works.

Many of the types of projects eligible under either the CWSRF or DWSRF also support efforts to address climate change. For example, by taking steps to manage potential sources of pollution and preventing these sources from reaching sources of drinking water, projects eligible under the DWSRF and the ARPA may reduce energy required to treat drinking water. Similarly, projects eligible under the CWSRF include measures to conserve and reuse water or reduce the energy consumption of public water treatment facilities. Treasury encourages recipients to consider green infrastructure investments and projects to improve resilience to the effects of climate change. For example, more frequent and extreme precipitation events combined with construction and development trends have led to increased instances of stormwater runoff, water pollution, and flooding. Green infrastructure projects that support stormwater system resiliency could include rain gardens that provide water storage and filtration benefits, and green streets, where vegetation, soil, and engineered systems are combined to direct and filter rainwater from impervious surfaces. In cases of a natural disaster, recipients may also use Fiscal Recovery Funds to provide relief, such as interconnecting water systems or rehabilitating existing wells during an extended drought.

Question 18: What are the advantages and disadvantages of aligning eligible uses with the eligible project type requirements of the DWSRF and CWSRF? What other water or sewer project categories, if any, should Treasury consider in addition to DWSRF and CWSRF eligible projects? Should Treasury consider a broader general category of water and sewer projects?

Question 19: What additional water and sewer infrastructure categories, if any, should Treasury consider to address and respond to the needs of unserved, undeserved, or rural communities? How do these projects differ from DWSFR and CWSRF eligible projects?

Question 20: What new categories of water and sewer infrastructure, if any, should Treasury consider to support State, local, and Tribal governments in mitigating the negative impacts of climate change? Discuss emerging technologies and processes that support resiliency of water and sewer infrastructure. Discuss any challenges faced by States and local governments when pursuing or implementing climate resilient infrastructure projects.

Question 21: Infrastructure projects related to dams and reservoirs are generally not eligible under the CWSRF and DWSRF categories. Should Treasury consider expanding eligible

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Infrastructure Needs Survey and Assessment: Sixth Report to Congress (March 2018), *https://www.epa.gov/sites/production/files/2018-10/documents/corrected_sixth_drinking_water_infrastructure_needs_survey_and_assessment.pdf.*

[133] *Id.*

[134] *Id.*

[135] 42 U.S.C. 300j–12(b)(3)(A).

[136] Environmental Protection Agency, Learn About the Clean Water State Revolving Fund, *https://www.epa.gov/cwsrf/learn-about-clean-water-state-revolving-fund-cwsrf* (last visited Apr. 30, 2021); 42 U.S.C. 300j–12.

[137] House Committee on the Budget, State and Local Governments are in Dire Need of Federal Relief (Aug. 19, 2020), *https://budget.house.gov/publications/report/state-and-local-governments-are-dire-need-federal-relief.*

[138] Environmental Protection Agency, Drinking Water State Revolving Fund (Nov. 2019), *https://www.epa.gov/sites/production/files/2019-11/documents/fact_sheet_-_dwsrf_overview_final_0.pdf;* Environmental Protection Agency, National Benefits Analysis for Drinking Water Regulations, *https://www.epa.gov/sdwa/national-benefits-analysis-drinking-water-regulations* (last visited Apr. 30, 2020).

infrastructure under the interim final rule to include dam and reservoir projects? Discuss public health, environmental, climate, or equity benefits and costs in expanding the eligibility to include these types of projects.

2. Broadband Infrastructure

The COVID–19 public health emergency has underscored the importance of universally available, high-speed, reliable, and affordable broadband coverage as millions of Americans rely on the internet to participate in, among critical activities, remote school, healthcare, and work. Recognizing the need for such connectivity, the ARPA provides funds to State, territorial, local, and Tribal governments to make necessary investments in broadband infrastructure.

The National Telecommunications and Information Administration (NTIA) highlighted the growing necessity of broadband in daily lives through its analysis of NTIA Internet Use Survey data, noting that Americans turn to broadband internet access service for every facet of daily life including work, study, and healthcare.[139] With increased use of technology for daily activities and the movement by many businesses and schools to operating remotely during the pandemic, broadband has become even more critical for people across the country to carry out their daily lives.

By at least one measure, however, tens of millions of Americans live in areas where there is no broadband infrastructure that provides download speeds greater than 25 Mbps and upload speeds of 3 Mbps.[140] By contrast, as noted below, many households use upload and download speeds of 100 Mbps to meet their daily needs. Even in areas where broadband infrastructure exists, broadband access may be out of reach for millions of Americans because it is unaffordable, as the United States has some of the highest broadband prices in the Organisation for Economic Co-operation and Development (OECD).[141] There are disparities in availability as well; historically, Americans living in territories and Tribal lands as well as rural areas have disproportionately lacked sufficient broadband infrastructure.[142] Moreover, rapidly growing demand has, and will likely continue to, quickly outpace infrastructure capacity, a phenomenon acknowledged by various states around the country that have set scalability requirements to account for this anticipated growth in demand.[143]

The interim final rule provides that eligible investments in broadband are those that are designed to provide services meeting adequate speeds and are provided to unserved and underserved households and businesses. Understanding that States, territories, localities, and Tribal governments have a wide range of varied broadband infrastructure needs, the interim final rule provides award recipients with flexibility to identify the specific locations within their communities to be served and to otherwise design the project.

Under the interim final rule, eligible projects are expected to be designed to deliver, upon project completion, service that reliably meets or exceeds symmetrical upload and download speeds of 100 Mbps. There may be instances in which 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. In these instances, the affected project would be expected to be designed to deliver, upon project completion, service that reliably meets or exceeds 100 Mbps download 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.[144] In setting these standards, Treasury identified speeds necessary to ensure that broadband infrastructure is sufficient to enable users to generally meet household needs, including the ability to support the simultaneous use of work, education, and health applications, and also sufficiently robust to meet increasing household demands for bandwidth. Treasury also recognizes that different communities and their members may have a broad range of internet needs and that those needs may change over time.

In considering the appropriate speed requirements for eligible projects, Treasury considered estimates of typical households demands during the pandemic. Using the Federal Communication Commission's (FCC) Broadband Speed Guide, for example, a household with two telecommuters and two to three remote learners today are estimated to need 100 Mbps download to work simultaneously.[145] In households with more members, the demands may be greater, and in households with fewer members, the demands may be less.

In considering the appropriate speed requirements for eligible projects, Treasury also considered data usage patterns and how bandwidth needs have changed over time for U.S. households and businesses as people's use of technology in their daily lives has evolved. In the few years preceding the pandemic, market research data showed that average upload speeds in the United States surpassed over 10 Mbps in 2017[146] and continued to increase significantly, with the average upload speed as of November, 2019 increasing to 48.41 Mbps,[147] attributable, in part to a shift to using broadband and the internet by individuals and businesses

[139] *See, e.g., https://www.ntia.gov/blog/2020/more-half-american-households-used-internet-health-related-activities-2019-ntia-data-show; https://www.ntia.gov/blog/2020/nearly-third-american-employees-worked-remotely-2019-ntia-data-show;* and generally, *https://www.ntia.gov/data/digital-nation-data-explorer.*

[140] As an example, data from the Federal Communications Commission shows that as of June 2020, 9.07 percent of the U.S. population had no available cable or fiber broadband providers providing greater than 25 Mbps download speeds and 3 Mbps upload speeds. Availability was significantly less for rural versus urban populations, with 35.57 percent of the rural population lacking such access, compared with 2.57 percent of the urban population. Availability was also significantly less for tribal versus non-tribal populations, with 35.93 percent of the tribal population lacking such access, compared with 8.74 of the non-tribal population. Federal Communications Commission, Fixed Broadband Deployment, *https://broadbandmap.fcc.gov/#/* (last visited May 9, 2021).

[141] How Do U.S. Internet Costs Compare To The Rest Of The World?, BroadbandSearch Blog Post, *available at https://www.broadbandsearch.net/blog/internet-costs-compared-worldwide.*

[142] *See, e.g.,* Federal Communications Commission, Fourteenth Broadband Deployment Report, *available at https://docs.fcc.gov/public/attachments/FCC-21-18A1.pdf.*

[143] *See, e.g.,* Illinois Department of Commerce & Economic Opportunity, Broadband Grants, h (last visited May 9, 2021), *https://www2.illinois.gov/dceo/ConnectIllinois/Pages/BroadbandGrants.aspx;* Kansas Office of Broadband Development, Broadband Acceleration Grant, *https://www.kansascommerce.gov/wp-content/uploads/2020/11/Broadband-Acceleration-Grant.pdf* (last visited May 9, 2021); New York State Association of Counties, Universal Broadband: Deploying High Speed Internet Access in NYS (Jul. 2017), *https://www.nysac.org/files/BroadbandUpdate Report2017(1).pdf.*

[144] This scalability threshold is consistent with scalability requirements used in other jurisdictions. *Id.*

[145] Federal Communications Commission, Broadband Speed Guide, *https://www.fcc.gov/consumers/guides/broadband-speed-guide* (last visited Apr. 30, 2021).

[146] Letter from Lisa R. Youngers, President and CEO of Fiber Broadband Association to FCC, WC Docket No. 19–126 (filed Jan. 3, 2020), including an Appendix with research from RVA LLC, *Data Review Of The Importance of Upload Speeds* (Jan. 2020), and Ookla speed test data, *available at https://ecfsapi.fcc.gov/file/101030085118517/FCC%20RDOF%20Jan%203%20Ex%20Parte.pdf.*Additional information on historic growth in data usage is provided in Schools, Health & Libraries Broadband Coalition, *Common Sense Solutions for Closing the Digital Divide,* Apr. 29, 2021.

[147] *Id. See also* United States's Mobile and Broadband internet Speeds—Speedtest Global Index, *available at https://www.speedtest.net/global-index/united-states#fixed.*

to create and share content using video sharing, video conferencing, and other applications.[148]

The increasing use of data accelerated markedly during the pandemic as households across the country became increasingly reliant on tools and applications that require greater internet capacity, both to download data but also to upload data. Sending information became as important as receiving it. A video consultation with a healthcare provider or participation by a child in a live classroom with a teacher and fellow students requires video to be sent and received simultaneously.[149] As an example, some video conferencing technology platforms indicate that download and upload speeds should be roughly equal to support two-way, interactive video meetings.[150] For both work and school, client materials or completed school assignments, which may be in the form of PDF files, videos, or graphic files, also need to be shared with others. This is often done by uploading materials to a collaboration site, and the upload speed available to a user can have a significant impact on the time it takes for the content to be shared with others. [151] These activities require significant capacity from home internet connections to both download and upload data, especially when there are multiple individuals in one household engaging in these activities simultaneously.

This need for increased broadband capacity during the pandemic was reflected in increased usage patterns seen over the last year. As OpenVault noted in recent advisories, the pandemic significantly increased the amount of data users consume. Among data users observed by OpenVault, per-subscriber average data usage for the fourth quarter of 2020 was 482.6 gigabytes per month, representing a 40 percent increase over the 344 gigabytes consumed in the fourth quarter of 2019 and a 26 percent increase over the third quarter 2020 average of 383.8 gigabytes.[152] OpenVault also noted significant increases in upstream usage among the data users it observed, with upstream data usage growing 63 percent—from 19 gigabytes to 31 gigabytes—between December, 2019 and December, 2020.[153] According to an OECD Broadband statistic from June 2020, the largest percentage of U.S. broadband subscribers have services providing speeds between 100 Mbps and 1 Gbps.[154]

Jurisdictions and Federal programs are increasingly responding to the growing demands of their communities for both heightened download and upload speeds. For example, Illinois now requires 100 Mbps symmetrical service as the construction standard for its state broadband grant programs. This standard is also consistent with speed levels, particularly download speed levels, prioritized by other Federal programs supporting broadband projects. Bids submitted as part of the FCC in its Rural Digital Opportunity Fund (RDOF), established to support the construction of broadband networks in rural communities across the country, are given priority if they offer faster service, with the service offerings of 100 Mbps download and 20 Mbps upload being included in the ''above baseline'' performance tier set by the FCC.[155] The Broadband Infrastructure Program (BBIP) [156] of the Department of Commerce, which provides Federal funding to deploy broadband infrastructure to eligible service areas of the country also prioritizes projects designed to provide broadband service with a download speed of not less than 100 Mbps and an upload speed of not less than 20 Mbps.[157]

The 100 Mbps upload and download speeds will support the increased and growing needs of households and businesses. Recognizing that, in some instances, 100 Mbps upload speed may be impracticable due to geographical, topographical, or financial constraints, the interim final rule permits upload speeds of between at least 20 Mbps and 100 Mbps in such instances. To provide for investments that will accommodate technologies requiring symmetry in download and upload speeds, as noted above, eligible projects that are not designed to deliver, upon project completion, service that reliably meets or exceeds symmetrical speeds of 100 Mbps because it would be impracticable to do so should be designed so that they can be scalable to such speeds. Recipients are also encouraged to prioritize investments in fiber optic infrastructure where feasible, as such advanced technology enables the next generation of application solutions for all communities.

Under the interim final rule, eligible projects are expected to focus on locations that are unserved or underserved. The interim final rule treats users as being unserved or underserved if they lack access to a wireline connection capable of reliably delivering at least minimum speeds of 25 Mbps download and 3 Mbps upload as households and businesses lacking this level of access are generally not viewed as being able to originate and receive high-quality voice, data, graphics, and video telecommunications. This threshold is consistent with the FCC's benchmark for an ''advanced telecommunications capability.'' [158] This threshold is also consistent with thresholds used in other Federal programs to identify eligible areas to be served by programs to improve broadband services. For example, in the FCC's RDOF program, eligible areas include those without current (or already funded) access to terrestrial broadband service providing 25 Mbps download and 3 Mbps upload speeds.[159] The Department of Commerce's BBIP also considers households to be ''unserved'' generally if they lack access to broadband service

[148] *Id.*

[149] One high definition Zoom meeting or class requires approximately 3.8 Mbps/3.0 Mbps (up/down).

[150] *See, e.g.,* Zoom, System Requirements for Windows, macOS, and Linux, *https://support.zoom.us/hc/en-us/articles/201362023-System-requirements-for-Windows-macOS-and-Linux#h_d278c327-e03d-4896-b19a-96a8f3c0c69c* (last visited May 8, 2021).

[151] By one estimate, to upload a one gigabit video file to YouTube would take 15 minutes at an upload speed of 10 Mbps compared with 1 minute, 30 seconds at an upload speed of 100 Mbps, and 30 seconds at an upload speed of 300 Mbps. *Reviews.org:* What is Symmetrical internet? (March 2020).

[152] OVBI: Covid-19 Drove 15 percent Increase in Broadband Traffic in 2020, OpenVault, Quarterly Advisory, (Feb. 10, 2021), *available at https://openvault.com/ovbi-covid-19-drove-51-increase-in-broadband-traffic-in-2020; See* OpenVault's data set incorporates information on usage by subscribers across multiple continents, including North America and Europe. Additional data and detail on increases in the amount of data users consume and the broadband speeds they are using is provided in *OpenVault Broadband Insights Report Q4,* Quarterly Advisory (Feb. 10, 2021), *available at https://openvault.com/complimentary-report-4q20/.*

[153] OVBI Special Report: 202 Upstream Growth Nearly 4X of Pre-Pandemic Years, OpenVault, Quarterly Advisory, (April 1, 20201), *available at https://openvault.com/ovbi-special-report-2020-upstream-growth-rate-nearly-4x-of-pre-pandemic-years/;* Additional data is provided in *OpenVault Broadband Insights Pandemic Impact on Upstream Broadband Usage and Network Capacity, available at https://openvault.com/upstream-whitepaper/.*

[154] Organisation for Economic Co-operation and Development, Fixed broadband subscriptions per 100 inhabitants, per speed tiers (June 2020), *https://www.oecd.org/sti/broadband/5.1-FixedBB-SpeedTiers-2020-06.xls www.oecd.org/sti/broadband/broadband-statistics.*

[155] *Rural Digital Opportunity Fund,* Report and Order, 35 FCC Rcd 686, 690, para. 9 (2020), *available at https://www.fcc.gov/document/fcc-launches-20-billion-rural-digital-opportunity-fund-0.*

[156] The BIPP was authorized by the Consolidated Appropriations Act, 2021, Section 905, Public Law 116–260, 134 Stat. 1182 (Dec. 27, 2020).

[157] Section 905(d)(4) of the Consolidated Appropriations Act, 2021.

[158] *Deployment Report, supra* note 142.

[159] *Rural Digital Opportunity Fund, supra* note 156.

with a download speed of not less than 25 Mbps download and 3 Mbps upload, among other conditions. In selecting an area to be served by a project, recipients are encouraged to avoid investing in locations that have 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.

Recipients are also encouraged to consider ways to integrate affordability options into their program design. To meet the immediate needs of unserved and underserved households and businesses, recipients are encouraged to focus on projects that deliver a physical broadband connection by prioritizing projects that achieve last mile-connections. Treasury also encourages recipients to prioritize support for broadband networks owned, operated by, or affiliated with local governments, non-profits, and co-operatives—providers with less pressure to turn profits and with a commitment to serving entire communities.

Under sections 602(c)(1)(A) and 603(c)(1)(A), assistance to households facing negative economic impacts due to COVID–19 is also an eligible use, including internet access or digital literacy assistance. As discussed above, in considering whether a potential use is eligible under this category, a recipient must consider whether, and the extent to which, the household has experienced a negative economic impact from the pandemic.

Question 22: What are the advantages and disadvantages of setting minimum symmetrical download and upload speeds of 100 Mbps? What other minimum standards would be appropriate and why?

Question 23: Would setting such a minimum be impractical for particular types of projects? If so, where and on what basis should those projects be identified? How could such a standard be set while also taking into account the practicality of using this standard in particular types of projects? In addition to topography, geography, and financial factors, what other constraints, if any, are relevant to considering whether an investment is impracticable?

Question 24: What are the advantages and disadvantages of setting a minimum level of service at 100 Mbps download and 20 Mbps upload in projects where it is impracticable to set minimum symmetrical download and upload speeds of 100 Mbps? What are the advantages and disadvantages of setting a scalability requirement in these cases? What other minimum standards would be appropriate and why?

Question 25: What are the advantages and disadvantages of focusing these investments on those without access to a wireline connection that reliably delivers 25 Mbps download by 3 Mbps upload? Would another threshold be appropriate and why?

Question 26: What are the advantages and disadvantages of setting any particular threshold for identifying unserved or underserved areas, minimum speed standards or scalability minimum? Are there other standards that should be set (e.g., latency)? If so, why and how? How can such threshold, standards, or minimum be set in a way that balances the public's interest in making sure that reliable broadband services meeting the daily needs of all Americans are available throughout the country with the providing recipients flexibility to meet the varied needs of their communities?

III. Restrictions on Use

As discussed above, recipients have considerable flexibility to use Fiscal Recovery Funds to address the diverse needs of their communities. To ensure that payments from the Fiscal Recovery Funds are used for these congressionally permitted purposes, the ARPA includes two provisions that further define the boundaries of the statute's eligible uses. Section 602(c)(2)(A) of the Act provides that States and territories may not ''use the funds . . . to either directly or indirectly offset a reduction in . . . net tax revenue . . . resulting from a change in law, regulation, or administrative interpretation during the covered period that reduces any tax . . . or delays the imposition of any tax or tax increase.'' In addition, sections 602(c)(2)(B) and 603(c)(2) prohibit any recipient, including cities, nonentitlement units of government, and counties, from using Fiscal Recovery Funds for deposit into any pension fund. These restrictions support the use of funds for the congressionally permitted purposes described in Section II of this Supplementary Information by providing a backstop against the use of funds for purposes outside of the eligible use categories.

These provisions give force to Congress's clear intent that Fiscal Recovery Funds be spent within the four eligible uses identified in the statute—(1) to respond to the public health emergency and its negative economic impacts, (2) to provide premium pay to essential workers, (3) to provide government services to the extent of eligible governments' revenue losses, and (4) to make necessary water, sewer, and broadband infrastructure investments—and not otherwise. These four eligible uses reflect Congress's judgment that the Fiscal Recovery Funds should be expended in particular ways that support recovery from the COVID–19 public health emergency. The further restrictions reflect Congress's judgment that tax cuts and pension deposits do not fall within these eligible uses. The interim final rule describes how Treasury will identify when such uses have occurred and how it will recoup funds put toward these impermissible uses and, as discussed in Section VIII of this **SUPPLEMENTARY INFORMATION**, establishes a reporting framework for monitoring the use of Fiscal Recovery Funds for eligible uses.

A. Deposit Into Pension Funds

The statute provides that recipients may not use Fiscal Recovery Funds for ''deposit into any pension fund.'' For the reasons discussed below, Treasury interprets ''deposit'' in this context to refer to an extraordinary payment into a pension fund for the purpose of reducing an accrued, unfunded liability. More specifically, the interim final rule does not permit this assistance to be used to make a payment into a pension fund if both:

1. The payment reduces a liability incurred prior to the start of the COVID–19 public health emergency, and
2. the payment occurs outside the recipient's regular timing for making such payments.

Under this interpretation, a ''deposit'' is distinct from a ''payroll contribution,'' which occurs when employers make payments into pension funds on regular intervals, with contribution amounts based on a pre-determined percentage of employees' wages and salaries.

As discussed above, eligible uses for premium pay and responding to the negative economic impacts of the COVID–19 public health emergency include hiring and compensating public sector employees. Interpreting the scope of ''deposit'' to exclude contributions that are part of payroll contributions is more consistent with these eligible uses and would reduce administrative burden for recipients. Accordingly, if an employee's wages and salaries are an eligible use of Fiscal Recovery Funds, recipients may treat the employee's covered benefits as an eligible use of Fiscal Recovery Funds. For purposes of the Fiscal Recovery Funds, covered benefits include costs of all types of leave (vacation, family-related, sick, military, bereavement, sabbatical, jury duty), employee insurance (health, life, dental, vision), retirement (pensions, 401(k)), unemployment benefit plans