U.S. DEPARTMENT OF COMMERCE
National Telecommunications and Information Administration

FY 2025 Budget as Presented to Congress

March 2024

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Exhibit 1

DEPARTMENT OF COMMERCE
NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION
Budget Estimates, Fiscal Year 2025
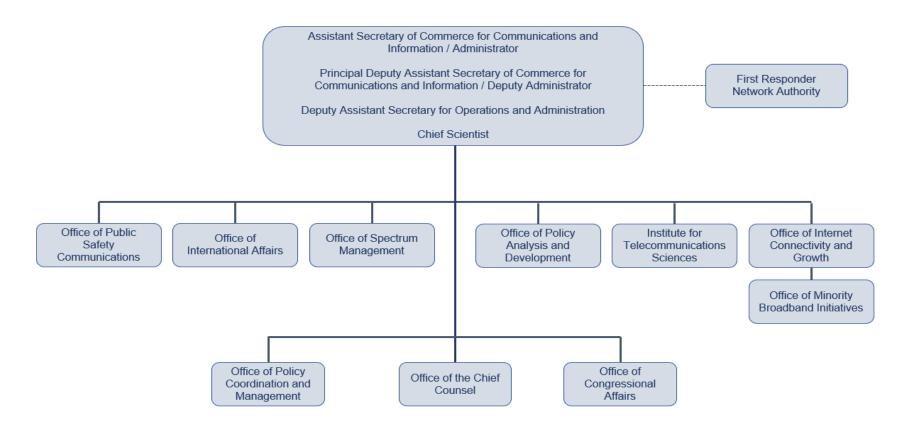**Congressional Submission**
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Department of Commerce
National Telecommunications and Information Administration

Assistant Secretary of Commerce for Communications and Information / Administrator

Principal Deputy Assistant Secretary of Commerce for Communications and Information / Deputy Administrator

Deputy Assistant Secretary for Operations and Administration

Chief Scientist

First Responder Network Authority

Office of Public Safety Communications

Office of International Affairs

Office of Spectrum Management

Office of Policy Analysis and Development

Institute for Telecommunications Sciences

Office of Internet Connectivity and Growth

Office of Minority Broadband Initiatives

Office of Policy Coordination and Management

Office of the Chief Counsel

Office of Congressional Affairs

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Exhibit 3

**Department of Commerce
National Telecommunications and Information Administration
Budget Estimate, Fiscal Year 2025
Executive Summary**

The National Telecommunications and Information Administration's (NTIA) Fiscal year 2025 (FY 2025) Congressional Budget Submission request totals $67 million and175 positions. The budget request supports NTIA's critical role of advising the President on communications and information policy issues. NTIA's programs and policymaking, focus on expanding the availability of spectrum for all users, managing core spectrum programs effectively and efficiently, and identifying innovative approaches to increase spectrum access and spectrum sharing opportunities. This Budget provides the resources to ensure that the Internet remains an engine for continued economic growth, promotes a 21st century Internet economy in rural communities, and expands broadband Internet access and adoption in America.

Domestic and International Policies. NTIA's domestic and international policies program funding request in FY 2025 totals $19.2 million and 53 positions. NTIA's domestic and international policies work to preserve the Internet's openness and its cultural and economic potentials while advancing key U.S. interests. As the President's advisor on information and communications policy, NTIA is a critical interface between the private sector and government decision makers. In this role, NTIA helps ensure U.S. policies maximize national security objectives and resources and helps develop and drive adoption of market-based, risk-based cybersecurity guidelines to improve the private sector's cybersecurity resilience while advancing the policy goals of the U.S.

NTIA, through its domestic and international policies program, coordinates Executive Branch communications policy and represents the Administration's policy to independent agencies such as the Federal Communications Commission (FCC) and the Federal Trade Commission (FTC). NTIA must be positioned to meet the growing complexity of the Internet environment, as the world becomes more interconnected via rapid growth of the Internet, the globalization of information technology services and equipment, and as governance of the Internet becomes an increasingly complex geopolitical issue. Utilizing the multistakeholder process to reach general consensus on internet policy issues, NTIA is central to the Executive Branch's involvement in the Internet Governance Forum (IGF), and its support of mutual legal assistance treaty modernization efforts with key U.S. industries.

Within this request $3 million and 4 positions are requested to meet the Administration's whole-of-government surge to address Artificial Intelligence (AI) and other emerging technologies. NTIA serves a unique function by law as the President's principal advisor on information policy, so it must build capacity to lead policy

Exhibit 3

development on artificial intelligence, quantum computing, and other emerging technologies. These funds will also assist NTIA in continuing to implement its assigned duties within the Presidential Executive Order on Safe, Secure and Trustworthy Development and Use of Artificial Intelligence (E.O.14110).

Spectrum Management. NTIA's spectrum management program direct funding request for FY2025 totals $8.9 million and 31 positions. NTIA will continue to evolve its analysis capabilities to increase spectrum access available to commercial and Federal users. The budget will support the commercial sector's development of next generation wireless services by recommending reallocation of spectrum for commercial use and by promoting spectrum sharing between commercial and government users. The agency promotes the most efficient use of the limited spectrum resources across the Federal Government. Working with the FCC, NTIA coordinates international and domestic spectrum access requirements, identifies and reallocates spectrum bands for commercial use, updates spectrum policies, and develops long-range spectrum management plans. NTIA collaborates with the State Department to advance U.S. interests and positions related to international spectrum issues, conferences, and negotiations.

Advanced Communications Research. NTIA's advanced communications research program direct funding request for FY2025 totals $14.4 million and 43 positions. Communications research will keep identifying innovative approaches to increase spectrum access and sharing opportunities. This FY2025 request will sustain and increase resources for NTIA's Institute for Telecommunication Sciences (ITS), which provides scientific research, development, and testing on spectrum capability, spectrum sharing approaches, and spectrum-enabled technology for both Federal agencies and private industry partners.[1] NTIA is also expanding collaborative research and development in advanced communications technologies to support commercial and government applications to enhance wireless efficiencies.

BroadbandUSA. NTIA's broadband program funding request in FY2025 totals $19.2 million and 40 positions. Broadband has become integral in fueling a dynamic economy, driving commerce, enriching education, enhancing healthcare, and improving public safety. The 2020 COVID-19 crisis highlighted the digital divide across the country—leaving behind rural communities and economically disadvantaged neighborhoods. Communities without high-speed, affordable broadband fell farther behind as they were cut off from education and job opportunities and unable to participate in the digital economy. In FY2025, NTIA will continue to support communities in their efforts to close the digital divide and to improve broadband services in unserved and underserved communities across the country.

Exhibit 3

Public Safety Communications. NTIA's public safety communications program funding request in FY2025 totals $3.3 million and 7 positions. As communication technologies continue to evolve, our nation's 911 call centers are unable to keep pace with technological advancements, threatening the integrity of our Nation's emergency communications systems. NTIA's public safety communications program provides the technical expertise and coordination support necessary to enable our Nation's 911 systems to upgrade from analog to Internet Protocol (IP)-based systems, commonly referred to as Next Generation 911.

Facilities Management Construction. To support the increased demands of modern spectrum sharing research, NTIA is proposing a new, $2 million and 1 position Facility Management and Construction account for the restoration and modernization of its facilities and telecommunication infrastructure, roads, and ground of its NTIA government-owned facilities to meet modern research, accessibility, safety, reliability, and energy efficiency requirements. Maintenance and construction projects will include renovating building interiors, repairing and upgrading roofs, replacing HVAC systems, installing energy-efficient building exteriors, replacing water-holding tanks and septic systems, expanding research facility square footage, and repairing/replacing perimeter fencing.

Performance:
For current Government Performance and Results Act targets, please see the FY2025/2023 Annual Performance Plan and Report.

Adjustments:
The NTIA's FY2025 Base includes a total of $5.613 million to account for the full funding requirements from inflationary adjustments to current programs. This includes civilian pay raises as well as inflationary increases and adjustments to base for estimated labor and no-labor activities, including benefits, service contracts, utilities, and rent charges from the General Services Administration.

Note:
At the time this budget request is being written the government is operating under a Continuing Resolution and the administration is proposing legislative language within the General Provisions of the President's Budget for FY 2025 to address funding shortfalls in the administration of its broadband grant programs. This budget assumes the changes proposed legislative language in Exhibit 32 will be available in FY2025.

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Department of Commerce
National Telecommunications and Information Administration
FY 2024 PROGRAM INCREASES / DECREASES / TERMINATIONS
(Dollar amounts in thousands)
(By Appropriation, Largest to Smallest)

Increases

Page No	Appropriations	Budget Program	Title of Increase	Positions	Budget Authority
NTIA-20	Salaries and Expenses	Domestics and International Policies	AI Technology Policy Lab	4	$3,000
	Total, Increases			4	3,000

Decreases

Page No In CJ	Appropriations	Budget Program	Title of Decrease	Positions	Budget Authority
NTIA-20	Salaries and Expenses	Domestics and International Policies	Reduction to Domestic and International Policy	0	($1,000)
NTIA-37	Salaries and Expenses	Advanced Communications Research	Reduction to Advanced Communication Research	0	(1,000)
NTIA-45	Salaries and Expenses	Broadband Programs	DELN and Rural Coordination Funding Reduction	0	(1,613)
NTIA-29	Salaries and Expenses	Spectrum Management	Reduction to Measurement and Spectrum Certification	0	(2,000)
	Total, Decreases			0	(5,613)

Terminations

Page No In CJ	Appropriations	Budget Program	Title of Decrease	Positions	Budget Authority
	No Program Changes Requested				
	Total, Terminations			0	0

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Exhibit 5

National Telecommunications and Information Administration
Salaries and Expenses
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Annualized CR, 2024	170	141	$62,000	$89,321
Less: Unobligated balance, start of year, 2024				(27,321)
2025 Adjustments to base:				
Plus: Inflationary adjustments to base	0	29	5,613	5,613
2025 Base	170	170	67,613	67,613
Plus: 2025 Program changes	4	3	(2,613)	(2,613)
2025 Estimate	174	173	65,000	65,000

			2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
Comparison by activity/subactivity: with totals by activity			Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NTIA-15	Domestic and International Policies	Pos./BA	49	$ 15,565	49	$ 15,565	49	$ 17,179	53	$ 19,179	4	$ 2,000
		FTE/Obl.	34	13,600	40	21,758	49	17,179	52	19,179	3	2,000
NTIA-24	Spectrum Management	Pos./BA	29	9,975	31	9,975	31	10,969	31	8,969	0	(2,000)
		FTE/Obl.	24	3,321	29	16,939	31	10,969	31	8,969	0	(2,000)
NTIA-32	Advanced Communications Research	Pos./BA	31	13,893	43	13,893	43	15,391	43	14,391	0	(1,000)
		FTE/Obl.	30	11,629	31	17,158	43	15,391	43	14,391	0	(1,000)
NTIA-40	Broadband Programs	Pos./BA	34	19,485	40	19,485	40	20,782	40	19,169	0	(1,613)
		FTE/Obl.	33	12,379	34	29,063	40	20,782	40	19,169	0	(1,613)
NTIA-48	Public Safety Communications	Pos./BA	7	3,082	7	3,082	7	3,292	7	3,292	0	0
		FTE/Obl.	5	2,115	7	4,403	7	3,292	7	3,292	0	0
	Total	Pos./BA	150	62,000	170	62,000	170	67,613	174	65,000	4	(2,613)
		FTE/Obl.	126	43,044	141	89,321	170	67,613	173	65,000	3	(2,613)
	Adjustments for:											
	Recoveries			(3,984)		0		0		0		0
	Unobligated balance, start of year			(6,613)		(27,321)		0		0		0
	Unobligated balance transferred			0		0		0		0		0
	Unobligated balance, end of year			27,321		0		0		0		0
	Unobligated balance expiring			2,232		0		0		0		0
	Financing from transfers:											
	Transfer from other accounts (-)			0		0		0		0		0
	Transfer to other accounts (+)			0		0		0		0		0
	Appropriation			62,000		62,000		67,613		65,000		(2,613)

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Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
Advanced Communications Research	Pos./BA	57	60,000	57	60,000	57	60,000	57	60,000	0	0
	FTE/Obl.	36	23,472	50	23,000	57	23,000	57	23,000	0	0
Other	Pos./BA	5	2,000	5	2,000	5	2,000	5	2,000	0	0
	FTE/Obl.	2	1,592	4	1,600	5	1,600	4	1,600	0	0
Total, Reimbursable Projects	Pos./BA	62	62,000	62	62,000	62	62,000	62	62,000	0	0
	FTE/Obl.	38	25,064	54	24,600	62	24,600	61	24,600	0	0
Spectrum Fees											
Spectrum Management	Pos./BA	107	60,000	107	60,000	107	60,000	107	60,000	0	0
	FTE/Obl.	76	38,440	107	38,000	107	38,000	107	38,000	0	0
Total, Spectrum Fees	Pos./BA	107	60,000	107	60,000	107	60,000	107	60,000	0	0
	FTE/Obl.	76	38,440	107	38,000	107	38,000	107	38,000	0	0
Total, Reimbursable Obligations	Pos./BA	169	122,000	169	122,000	169	122,000	169	122,000	0	0
	FTE/Obl.	114	63,504	161	62,600	169	62,600	168	62,600	0	0

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Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
SUMMARY OF FINANCING
(Dollar amounts in thousands)

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Total Obligations	$106,548	$151,921	$130,213	$127,600	($2,613)
Offsetting collections from:					
Federal funds	(63,264)	(62,100)	(62,100)	(62,100)	0
Non-Federal sources	(240)	(500)	(500)	(500)	0
Recoveries	(3,984)	0	0	0	0
Unobligated balance, start of year	(6,613)	(27,321)	0	0	0
Unobligated balance transferred	0	0	0	0	0
Unobligated balance, end of year	27,321	0	0	0	0
Unobligated balance expiring	2,232	0	0	0	0
Budget Authority	62,000	62,000	67,613	65,000	(2,613)
Financing:					
Transfer from other accounts (-)	0	0	0	0	0
Transfer to other accounts (+)	0	0	0	0	0
Appropriation	62,000	62,000	67,613	65,000	(2,613)

Exhibit 8

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
ADJUSTMENTS TO BASE
(Dollar amounts in thousands)

	Positions	Amount
Transfers	0	$0
Adjustment		0
Financing		0
Other Changes:		
2024 Pay raise		311
2025 Pay raise		391
Awards		0
Full-year cost in 2025 of positions financed for part-year in 2024 (29 FTE)	0	1,275
Change in compensable days		0
Civil Service Retirement System (CSRS)		(1)
Federal Employees Retirement System (FERS)		(13)
Thrift Savings Plan		(19)
Federal Insurance Contribution Act (FICA) - OASDI		17
Health insurance		30
Employees Compensation Fund		23
Travel:		15
Mileage		0
Per diem		0
Rental payments to GSA		53
GSA Furniture and IT Program (FIT)		(175)
Postage		0
Working Capital Fund, Departmental Management*		4,137
Cybersecurity [Non-Add in WCF]		[15]
National Archives and Records Administration (NARA)		0
General Pricing Level Adjustment		320
Telecommunications Services - Enterprise Infrastructure Services		(434)
Enterprise Services - Direct Bill		(321)
Commerce Business System		4
Federal Protective Service		0
Other changes unique to certain bureaus (e.g., grants, ship and aircraft costs)		0
Subtotal, other changes	0	5,613
Total, adjustments to base	0	5,613

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Domestics and International Policies

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Domestic and International Policies	Pos./BA	49	$15,565	49	$ 15,565	49	$ 17,179	53	$ 19,179	4	$2,000
	FTE/Obl	34	13,600	40	21,758	49	17,179	52	19,179	3	2,000
Total	Pos./BA	49	15,565	49	15,565	49	17,179	53	19,179	4	2,000
	FTE/Obl	34	13,600	40	21,758	49	17,179	52	19,179	3	2,000

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Domestic and International Policies

Goal Statement

The goal of the Domestic and International Policies program is to strengthen U.S. commerce by advancing policies that protect and promote the Internet, information technology, and digital commerce; foster innovation; create economic value; and enhance security both domestically and internationally.

Base Program

NTIA's strategic focus is to protect and promote an open, interoperable Internet; advance the safe development and deployment of emerging information technologies; advocate for the free flow of information, goods, and services; promote policies that maximize national security objectives and lessen collateral consequences; reduce regulatory barriers; and strengthen the global marketplace for American digital products and services. The Internet is the greatest engine of communications and commerce the world has ever known and is vital to U.S. economic leadership, innovation, and prosperity. The responsible development and use of emerging technologies such as artificial intelligence are likewise critical to continued U.S. economic and geopolitical leadership. Through its programs, NTIA improves the domestic and international policy landscape for the Internet and the digital economy.[1] On behalf of the Administration, NTIA carries out its diverse programs and services, using and promoting multistakeholder approaches to lead U.S. policymakers, domestic industry, foreign governments, and international organizations in addressing Internet and digital economy policymaking, standards development, and governance issues. By advocating for market-driven policies and multistakeholder informed initiatives, NTIA supports online commerce, greater employment opportunities, and better quality of life for all Americans.

Statement of Operating Objectives

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[1] The Bureau of Economic Analysis defines "digital economy" to include hardware, software, e-commerce margins, and priced digital services. In 2021, that segment accounted for $2.4 trillion, or 10.3% of the U.S. gross domestic product, and eight million jobs. Bureau of Economic Analysis – https://www.bea.gov/digital-economy.

Exhibit 12

As the President's principal advisor on telecommunications and information policy issues, NTIA will support Presidential initiatives, the White House's National Security Strategy and National Cybersecurity Strategy, and the Department of Commerce's Internet and digital commerce programs as they relate to the concerns of the U.S. business community, the promotion of market-based solutions, and the preservation of U.S. technology. NTIA's objective is to establish domestic and international policy leadership on such issues as consumer data privacy, the Internet's domain name system, cybersecurity, online platforms, telecommunications standards, 5G and next generation communications, the Internet of Things (IoT), and artificial intelligence (AI).

Domestically and internationally, U.S. industry and consumers rely significantly on the open Internet. Thus, in FY 2025, NTIA will lead the Department of Commerce's bureaus on Internet and digital commerce strategies by conducting research, providing analytical support, and developing policy recommendations and guidance. NTIA works to advance the conversation on domestic privacy reform through stakeholder outreach and interagency consensus building. Further, NTIA is the Executive Branch expert on issues relating to the Domain Name System (DNS) and will support a multi-stakeholder approach to the coordination of the DNS to ensure the long-term viability of the Internet as a force for innovation and economic growth, including by providing a framework for the administration of the .edu and .us domains. In this capacity, NTIA has also worked to ensure that foreign data protection legislation does not unduly curtail access to information or freedom of speech, vital American priorities.

Because American businesses and governmental entities continue to be the target of cyber-attacks, in FY 2025, NTIA will convene industry, civil society, and governmental partners to seek market-based, innovative solutions to cybersecurity challenges that require cross-sector collaboration. The goal of these activities is to improve industry-led adoption and awareness of cyber policy best practices and to examine where market incentives are imbalanced or insufficient. NTIA will accomplish the following cyber policy outcomes: (1) run the Communications Supply Chain Risk Information Partnership (C-SCRIP), which informs small and rural Internet service providers regarding security risks and means of addressing them; (2) lead intergovernmental efforts to implement Internet routing security measures to guard against routing errors and intentional routing security breaches involving federal networks; (3) provide recommendations on the Vulnerabilities Equities Process (VEP) on whether to disclose cybersecurity vulnerability information to the vendor so they will patch the vulnerability or temporarily restrict knowledge of the vulnerability so that it can be used for national security or law enforcement purposes; and (4) advise the Administration on security threats to the telecommunications infrastructure from foreign license applicants.

In FY 2025, NTIA will represent the Administration's policies to independent agencies, including the Federal Communications Commission (FCC) and the Federal Trade Commission (FTC), with the goal of advocating for market-based, consensus-driven policies that advance businesses' and consumers' interests and promote American security and competitiveness. For the education and promotion of the importance of a free and open Internet, NTIA will provide training in coordination with foreign assistance efforts, such as the Telecommunications Leadership Program and the U.S. Telecommunications Training Institute.

Exhibit 12

Explanation and Justification

NTIA is the U.S. government leader in the strategic development, promotion, and execution of policies to support the domestic and global Internet, and broader digital commerce. NTIA's Internet policy framework contributes to the efficient and equitable operation of the digital economy on a global scale and provides infrastructure for innovation and entrepreneurship to enhance American competitiveness. NTIA's domestic and international policy activities require it to maintain expertise and leadership on telecommunications and information policy issues and to identify the most important for Executive Branch attention. NTIA plays a critical role in representing the United States in multiple treaty-based and technical standards setting fora in order to provide leadership and advance U.S. national economic and technology policies.

		2023 Actual		2024 Annualized CR		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Domestic and International Policies	Pos./BA	49	$15,565	49	$15,565	49	$17,179
	FTE/Obl.	34	13,600	40	21,758	49	17,179

With the FY 2025 base resources, NTIA's domestic and international policies program will focus their efforts on the following key areas:

Executive Branch Support. In its role as advisor to the President on telecommunications and information policy issues, NTIA coordinates Executive Branch communications and information policy, represents the Administration's policy to independent agencies, including the FCC and the FTC, and provides technical and policy expertise on Internet infrastructure and emerging technologies to the Executive Branch and other stakeholders. NTIA coordinates United States government (USG) domestic and international policies and positions that impact the Internet and other communications and information technologies. NTIA plays an integral role in supporting the interagency legislative coordination and clearance process by reviewing Internet, emerging technology, and digital commerce policies.

Law Enforcement and National Security. NTIA provides advice focusing on innovation and economic growth in policy discussions related to the protection of Americans from cyber threats. As such, in FY 2025, NTIA will participate in interagency discussions on topics ranging from private sector Internet routing security efforts to appropriate protections for cross-border data flows to the growing role of AI in the cybersecurity landscape. NTIA is the lead for the Department in representing its equities in interagency deliberations related to cyber operations and policy, and thus continued program support will enable it to continue to convene stakeholders from across the ecosystem to address cybersecurity challenges in a proactive collaborative manner, including in response to new and emerging risks posed by emerging technologies.

Exhibit 12

Digital Commerce Leadership. NTIA will support the Department's leadership team by providing analytical and technical expertise on cross-cutting issues and convening senior leaders for decision making and direction on Internet and information policy, economic competitiveness, and digital commerce issues. NTIA will continue to serve in leading and supporting roles in communications and information policy, economic analysis, intellectual property, trade, and technical standards to address the most pressing issues in the digital commerce and Internet economy, including the areas of online speech and content moderation, privacy, AI, and 5G and next generation communications.

Multistakeholder Engagements. To promote American prosperity, NTIA develops Internet and information policies designed to protect and expand Internet use and encourage further innovation and economic growth. Through its multistakeholder engagements, NTIA expands and strengthens Internet and information policy development to include economic and business/industry concerns and impacts.

International Representation. NTIA plays a critical role in developing strategy and representing the USG in international negotiations, standard setting, and diplomacy efforts. It is in these gatherings that governments and other stakeholders advance policy approaches that will determine how open the global digital economy will be to American products, services, and ideas. NTIA advocates for bilateral, multistakeholder, multilateral and regional adoption of policies that encourage an open Internet; promote market liberalization; and stimulate economic development and promotion of communications technology interests. NTIA participates in a wide variety of international fora to ensure that they maintain a central focus on innovation and economic growth and preserve the multistakeholder approach to Internet and information policymaking. NTIA requested a small funding increase, which is critical for NTIA to ensure that harmful standards and policies are not adopted by the International Telecommunications Union and/or other standards bodies that would negatively impact industry and the interests of the U.S.

Trade Negotiations. NTIA provides policy and technical support to the Department, United States Trade Representative (USTR), and other federal agencies to ensure that any U.S. free trade agreements, existing or under development, support the Administration's position regarding communications, digital commerce services, and the free flow of information across borders. NTIA's continued participation in these efforts will contribute to preserving and/or creating jobs for Americans and rejuvenating the domestic economy. NTIA will increase its participation in Department of Commerce-run bilateral commercial dialogues to improve understanding with counterpart trade and economics (not just communications) ministries.

Inter-Agency Work and Capacity Building. NTIA will continue to work with other agencies to develop implementation strategies for improved and continuous telecommunications and information development in key countries and regions (e.g., Africa, Central and Latin America, and the Middle East), through such foreign assistance efforts as the Telecommunications Leadership Program and the U.S. Telecommunications Training Institute. We will work with the Office of the United States Trade Representative (USTR), other Commerce agencies, the State Department, and other federal agencies on policy approaches to telecommunications and information standards developments worldwide.

Exhibit 13

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGES FOR 2025
(Dollar amounts in thousands)

		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Domestic and International Policy	Pos./BA	49	$17,179	53	$19,179	4	$2,000
	FTE/Ob.	49	17,179	52	19,179	3	2,000

AI and Emerging Technology Policy Lab ($3.0 million, 4 FTE/ 4 Positions)

The request supports NTIA's role in supporting the Executive Order 14110 "Safe, Secure and Trustworthy Development and Use of Artificial Intelligence." NTIA serves a unique function by law as the President's principal advisor on information policy but currently lacks capacity to lead policy development on artificial intelligence, quantum computing, and other emerging technologies. To meet the Administration's whole-of-government surge to address AI and other emerging technologies, NTIA will continue work begun in 2024 to create an AI and Emerging Technologies Policy Lab ("APL") to build new capabilities and areas of technology policy expertise. The APL would assemble an array of new skillsets to meet the emerging tech policy challenges, including expertise in social science, engineering, computer science, data science, law, economics, and business. The APL would be uniquely capable of (1) engaging in original research assessing the social and economic impacts of new AI advances and other emerging technologies, (2) developing and advocating for policy responses, including recommendations, proposed best practices, and draft legislation, (3) enhancing America's global leadership on emerging technology policy, including leading international initiatives, and (4) developing tools that supplement policy-related work undertaken by academics, civil society, and others.

Exhibit 13

To counter threats from China and other rivals, our policy must ensure that the U.S. and its allies continue to lead in innovation and development of AI and other emerging technologies, and that those technologies are deployed and used in ways that promote human rights, equity, and freedom. With this investment, NTIA would be able to better conduct multidisciplinary studies of emerging technology trends and their potential impacts, and devise policy recommendations that empower U.S. economic growth, innovation, and stability. NTIA would further be better positioned to engage with stakeholders both domestically and internationally, championing evidence-based policies that promote U.S. values and interests.

Reduction for Domestic and International Policy Research (-$1,000, 0 FTE/0 Positions)

This program change is requested to support other NTIA and Administration priorities. At this level of funding, NTIA will continue to participate in select study groups within the International Telecommunication Union (ITU) and track developments in standards development organizations (SDOs) to advocate for standards in support of U.S. interests. For example, ITU study groups focus on combatting counterfeiting, multimedia and digital technology, smart cities, meaningful connectivity, and digital transformation. In other SDOs, contracted technical experts maintain awareness of problematic Chinese proposals. However, NTIA will have fewer resources to hire and support these technical experts.

Performance Measures	2025	2026	2027	2028	2029
% of AI policy lab created with change	40%	80%	100%	100%	100%
% of AI policy lab created with without change	20%	40%	60%	80%	100%
Percentage of NTIA positions substantially adopted or successful at international meetings with reduction	60%	60%	60%	60%	60%
Percentage of NTIA positions substantially adopted or successful at international meetings without reduction	75%	75%	75%	75%	75%

Exhibit 14

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Domestics and International Policies
Program Change: Domestics and International Policies

Title		Grade	Number	Annual Salary	Total Salaries
Data Scientists		15	2	$183,500	$367,000
Computer Scientists		15	2	183,500	367,000
Subtotal			4		734,000
Less Lapse	25%		(1)		(183,500)
Total full-time permanent FTE			3		550,500
2025 Pay Adjustment	2%				11,010
Total					561,510

Personnel Data

Full-Time Equivalent Employment:	
Full-time permanent	3
Other than full-time permanent	0
Total	3
Authorized Positions:	
Full-time permanent	4
Other than full-time permanent	0
Total	4

Exhibit 15

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Domestics and International Policies
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Domestics and International Policies

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$4,235	$5,527	$5,969	$6,531	$562
11.3	Other than full-time permanent	201	284	284	284	0
11.5	Other personnel compensation	102	140	144	161	17
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	4,538	5,951	6,397	6,976	579
12.1	Civilian personnel benefits	1,546	1,921	2,075	2,272	197
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	345	402	407	408	1
22	Transportation of things	0	2	2	2	0
23.1	Rental payments to GSA	150	382	401	401	0
23.2	Rental payments to others	33	25	25	38	13
23.3	Commun., util., and misc. charges	16	56	37	44	7
24	Printing and reproduction	1	4	4	4	0
25.1	Advisory and assistance services	1,604	917	2,684	3,720	1,036
25.2	Other services from non-Federal sources	117	4,293	2,343	2,506	163
25.3	Other goods and services from Federal sources	1,976	3,171	2,270	2,270	0
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	2,717	4,000	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	359	359	359	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	62	28	29	33	4
31	Equipment	206	247	146	146	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	289	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	Total Obligations	13,600	21,758	17,179	19,179	2,000

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Spectrum Management

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Spectrum Management	Pos./BA	29	$ 9,975	31	$ 9,975	31	$ 10,969	31	$ 8,969	0	$ (2,000)
	FTE/Obl	24	3,321	29	16,939	31	10,969	31	8,969	0	(2,000)
Total	Pos./BA	29	9,975	31	9,975	31	10,969	31	8,969	0	(2,000)
	FTE/Obl	24	3,321	29	16,939	31	10,969	31	8,969	0	(2,000)

Exhibit 11

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Activity: Spectrum Management

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Spectrum Management	Pos./BA	107	$ 60,000	107	$ 60,000	107	$ 60,000	107	$ 60,000	0	$0
	FTE/Obl.	76	38,440	107	38,000	107	38,000	107	38,000	0	0
Total	Pos./BA	107	60,000	107	60,000	107	60,000	107	60,000	0	0
	FTE/Obl	76	38,440	107	38,000	107	38,000	107	38,000	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Spectrum Management

Goal Statement

The Spectrum Management program ensures that electromagnetic spectrum is used efficiently and effectively to enable the Federal agencies to perform their missions, while supporting the commercial sector's development of next generation wireless services.

Base Program

NTIA carries out the President's authority to assign spectrum resources to radio stations belonging to and operated by the United States.[1] The Federal agencies rely on the radio spectrum to execute various congressionally mandated missions, ranging from national defense, homeland security, and law enforcement to ensuring aeronautical and marine safety, conducting space travel and scientific research, and accurately forecasting the weather. The agencies could not provide these vital government services without reliable and robust radio frequency assignments, which NTIA is responsible for managing. NTIA is also charged from time to time with making more spectrum available for licensed commercial use, creating billions of dollars in spectrum auction proceeds for the U.S. Treasury and ensuring U.S. leadership and economic growth driven by next-generation technologies. To support these spectrum auctions, NTIA works closely with the Federal Communications Commission (FCC) to coordinate spectrum use, identify, and reallocate spectrum bands to accommodate commercial wireless services, update spectrum policies, and develop long-range spectrum management plans. To execute these statutory responsibilities, engage in scientific research, and minimize tax-payer costs, NTIA depends on significant collaboration with interested Federal agencies and key private-sector stakeholders.[2]

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[1] NTIA Organization Act, as amended (47 USC 901 et. seq.)

[2] See links to Interdepartmental Radio Advisory Committee (IRAC) at https://www.ntia.doc.gov/page/interdepartment-radio-advisory-committee-irac and Commerce Spectrum Management Advisory Committee (CSMAC) at https://www.ntia.doc.gov/category/csmac.

Exhibit 12

Statement of Operating Objectives

In FY 2025, NTIA will continue to help ensure sufficient spectrum access for Federal entities and will prioritize the following three activities: 1) conducting mission-essential functions to manage Federal spectrum resources; 2) supporting growing demand for spectrum in the commercial wireless industry, including through facilitating the efficient and effective use of Federal spectrum; and 3) coordinating critical national and international spectrum issues that impact U.S. businesses, consumers, and government agencies.

To accomplish its essential functions, NTIA will ensure that Federal agencies have sufficient access to spectrum resources needed to conduct current and future mission-critical activities. NTIA will achieve these three key outcomes: 1) certify approximately 300 spectrum-dependent systems required to support national security, emergency communications, and important Federal scientific endeavors; 2) process over 100,000 radio frequency assignments to authorize Federal wireless systems to operate when and where they are needed; and 3) respond during disasters to ensure continuity of critical state, territorial, local, and Federal spectrum operations. In support of growing demand for commercial wireless spectrum, NTIA will lead efforts to identify additional spectrum to support the deployment of innovative technologies that contribute billions of dollars towards America's economic prosperity and global technology leadership.

Internationally, NTIA will lead the Federal agencies in preparations to advance U.S. policy positions slated for the next International Telecommunication Union's World Radiocommunication Conference (WRC), scheduled to be held in FY 2024. Concurrently, NTIA will lead the implementation of changes to the U.S. regulations resulting from the WRC, the treaty-status forum that establishes radiocommunication regulations for global and regional operations in space and on earth. In other international efforts, NTIA will coordinate critical spectrum issues along the Canadian and Mexican borders, with the goal of preventing harmful interference under applicable treaties, agreements, and arrangements. NTIA will also coordinate hundreds of satellite actions with foreign governments and domestic operators to bring these systems into use and to improve the global competitiveness of the U.S. space sector.

Explanation and Justification

The Federal agencies could not provide many of their vital government services without radio frequency assignments or without NTIA's management of scarce spectrum resources. At the same time, there is tremendous growth in demand for wireless spectrum by consumers, businesses, and government agencies. According to the recent Cisco Annual Internet Report, there will be 29.3 billion networked devices by 2024, up from 18.4 billion in 2018[3]. Most of these will be wireless devices relying upon access to the spectrum. Our nation's economic prosperity depends on innovative technologies and commercial wireless services gaining access to more spectrum.

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[3] [3] Cisco Annual Internet Report - Cisco Annual Internet Report (2018–2023) White Paper - Cisco

Exhibit 12

		2023 Actual		2024 Annualized		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Spectrum Management	Pos./BA	29	$9,975	31	$9,975	31	$10,969
	FTE/Obl.	24	3,321	29	16,939	31	10,969

As part of its FY 2025 base resources, NTIA will accomplish the following activities, as outlined below.

NTIA conducts day-to-day spectrum management operations to authorize agency requests for radio frequency assignments and to certify agency spectrum-dependent equipment – including those supporting national security and emergency communications. These assignment and certification actions require expert electromagnetic compatibility evaluations to ensure the equipment, when deployed, would not cause harmful interference during operations. NTIA also conducts spectrum engineering studies and technical analyses to make decisions regarding frequency assignments, system certifications, spectrum sharing, interference resolution, and Federal technical standards.

NTIA conducts domestic spectrum activities that include developing, advocating, and implementing spectrum policies that expand spectrum access and improve efficiency across the Federal Government. This involves responding to proposed spectrum legislation, Congressional inquiries, and dozens of new and ongoing FCC proceedings. NTIA also provides outreach to public and private stakeholders, including spectrum training courses and seminars for U.S. and foreign spectrum managers. To inform policymaking, NTIA hosts its annual symposium at which a wide range of subject matter experts will discuss innovations, ideas, and issues in Federal spectrum policy and management. NTIA will continue to administer and conduct Technical Panel activities, which include the review and approval of agency transition plans and spectrum pipeline plans needed to reallocate and auction spectrum to accommodate commercial access. NTIA will also continue to execute its responsibilities to ensure commercial licensees have timely access to Federal spectrum bands auctioned by the FCC and that agencies spend Spectrum Relocation Fund transfers in accordance with their approved transition plans.

NTIA conducts international spectrum policy activities to develop positions and promote U.S. interests in international bodies dealing with radio regulations and other spectrum issues. This includes representing Federal interests at international forums such as the WRC, regional meetings, and other specialized agencies of the United Nations (*e.g.*, the International Civil Aviation Organization). NTIA is also responsible for leading all coordination and registration for Federal satellite systems to provide protection of global satellite services from harmful interference and safeguard orbital slots for U.S. satellite systems. In addition, NTIA coordinates Federal intellectual property, trade, and technical standards to address the most pressing issues in the digital commerce and Internet economy, including the areas of online speech and content moderation, privacy, and 5G and next generation communications.

Exhibit 13

U.S. Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGES FOR 2025
(Dollar amounts in thousands)

		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Spectrum Management	Pos./BA	31	$10,969	31	$8,969	0	($2,000)
	FTE/Ob.	31	10,969	31	8,969	0	(2,000)

Reduction to Measurement and Spectrum for the FY 2025 (-$2,000, 0 FTE/0 Positions)

This program change is requested to support other NTIA and Administration priorities. At this level of funding, NTIA will continue conducting analysis and research of spectrum measurement as well as performing the Spectrum Certification and Frequency Assignment Process. However, NTIA will reduce support for its Millimeter-wave (mm Wave) Measurements and Spectrum Certification and Frequency Assignment Process. The Millimeter-wave Measurements research effort is designed to maintain, enhance, and apply a radio-frequency-measurement capability at mm Wave frequencies (generally 24 GHz and higher).

Performance Measures	2025	2026	2027	2028	2029
System Certifications with reduction	180	180	180	180	180
System Certifications without reduction	200	200	200	200	200
Frequency Assignments with reduction	84,000	84,000	84,000	84,000	84,000
Frequency Assignments without reduction	87,000	87,000	87,000	87,000	87,000

Exhibit 14

Department of Commerce
National Telecommunications and information Administration
Salaries and Expenses
PROGRAM CHANGE PERSONNEL DETAIL

Activity: **Spectrum Management**
Program Change: **Spectrum Management**

Title	Grade	Number	Annual Salary	Total Salaries
		0	$0	$0
Subtotal		0		0
Less lapse	0%	0		0
Total full-time permanent (FTE)		0		0
2025 Pay Adjustment	2%			0
				0

Personnel Data Summary
Full-Time Equivalent Employment (FTE)

Full-time permanent	0
Other	0
Total FTE	0

Authorized Positions

Full-time permanent	0
Other	0
Total Positions	0

Exhibit 15

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Spectrum Management
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Spectrum Management

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$1,496	$4,361	$4,530	$4,530	$0
11.3	Other than full-time permanent	27	13	13	13	0
11.5	Other personnel compensation	17	104	107	107	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	1,540	4,478	4,650	4,650	0
12.1	Civilian personnel benefits	588	1,443	1,528	1,528	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	10	54	58	58	0
22	Transportation of things	1	1	1	1	0
23.1	Rental payments to GSA	183	904	919	919	0
23.2	Rental payments to others	23	265	264	264	0
23.3	Commun., util., and misc. charges	19	42	0	0	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	154	352	667	0	(667)
25.2	Other services from non-Federal sources	5	5,917	1,080	413	(667)
25.3	Other goods and services from Federal sources	185	1,682	1,360	694	(666)
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	344	1,000	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	267	267	267	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	16	22	23	23	0
31	Equipment	252	511	151	151	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	Total Obligations	3,321	16,939	10,969	8,969	(2,000)

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Advanced Communications Research

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Advanced Communications Research	Pos./BA	31	13,893	43	13,893	43	15,391	43	14,391	0	($1,000)
	FTE/Obl	30	11,629	31	17,158	43	15,391	43	14,391	0	(1,000)
Total	Pos./BA	31	13,893	43	13,893	43	15,391	43	14,391	0	(1,000)
	FTE/Obl	30	11,629	31	17,158	43	15,391	43	14,391	0	(1,000)

Exhibit 11

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Activity: Advanced Communications Research

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Advanced Communications Research	Pos./BA	57	60,000	57	60,000	57	60,000	57	60,000	0	0
	FTE/Obl.	36	23,472	50	23,000	57	23,000	57	23,000	0	0
Total	Pos./BA	57	60,000	57	60,000	57	60,000	57	60,000	0	0
	FTE/Obl	36	23,472	50	23,000	57	23,000	57	23,000	0	0

Exhibit 12

U.S. Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Advanced Communications Research

Goal Statement

Through cutting-edge research and engineering, the Advanced Communications Research program advances the nation's goals to discover and deploy technologically advanced communication solutions to use and share spectrum more efficiently and effectively without harmful interference.

Base Program

The Institute for Telecommunication Sciences (ITS), NTIA's research and engineering laboratory in Boulder, Colorado, is one of the world's leading telecommunications research laboratories. ITS research informs spectrum policy; proposes solutions to emerging telecommunications issues; and provides critical technical input regarding how spectrum-dependent systems, such as radars and cellphones, interact. ITS partners with other federal agencies, industry, and academia to collaborate on solving critical telecommunications problems and addressing spectrum research needs. Through its independent, unbiased technical analyses, ITS serves as a trusted agent, working to balance the goals of protecting mission critical federal telecommunication systems from harmful interference while promoting commercial industry's ability to innovate and deploy advanced communication technologies. To fulfill these objectives, ITS researches new and innovative approaches to spectrum sharing, interference protection, and the interactions of communication equipment, systems, and services. ITS also provides key technical leadership for the U.S. Government on technology and spectrum issues in domestic and international telecommunications standards bodies.

Statement of Operating Objectives

The core ITS technical research and engineering priority areas: (1) promote efficient spectrum access and spectrum sharing; and (2) inform policy development to stimulate U.S. industry success in 5G and next generation communications by informing NTIA's policy-making role through standards development and test and evaluation.[1]

Promote efficient spectrum access and spectrum sharing. In an ever-accelerating wireless world, spectrum is a critically important and scarce resource. Different communication systems are now required to share spectrum, meaning that they must operate using the same or adjacent

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[1] More detailed information about ITS's research can be found on its website, at https://www.its.ntia.gov

Exhibit 12

radio frequencies. These sharing arrangements must take place without the systems interfering with one another's operations. ITS conducts critically important research into reliable spectrum access and dynamic, interference-free spectrum sharing. The ITS research portfolio is designed to enable and improve spectrum access and sharing by continuously improving the Institute's understanding of radio frequency signals, including how radio waves behave in different environments; how bandwidth and coverage vary with frequency; actual spectral usage at different frequencies; and how dissimilar spectrum-dependent systems can successfully co-exist near one another.

In FY 2025, ITS will continue to expand measurement system capabilities to support new radio bands, implement new analysis and simulation tools for new use cases, and develop new statistical analysis techniques and models to address new dynamic commercial radio system characteristics. Since intimate knowledge of federal systems' operational characteristics is central to effectively and accurately modeling their response to commercial 5G transmissions and developing interference mitigation techniques, ITS will also investigate top priority systems identified in the National Spectrum Strategy.

Inform policy development to stimulate U.S. industry success in 5G and next generation communications. In FY 2025, ITS will continue to provide unbiased research in support of improved spectrum efficiency and increased spectrum sharing among continuously evolving technologies, promoting balanced consideration of commercial and federal needs. Leveraging existing 5G test bed infrastructure, ITS deployed 5G base stations at Table Mountain to support spectrum sharing research. Addressing the core mission of ITS's 5G test bed, researchers evaluated the conformance, performance, and interoperability of commercial wireless systems to provide technical input for NTIA policy development and federal agencies—for example, DHS implementation of Government Emergency Telecommunications Service (GETS) and Wireless Priority Service (WPS). Concurrently, interoperability, the linchpin of Open RAN (Radio Access Network) development, will accelerate innovation, reduce costs, improve performance, enhance security, and instigate a software-based architecture more suited to historic U.S. competitive strengths.

In FY 2025, ITS will conduct research that supports the deployment of new and innovative telecommunications technologies to inform NTIA's policy-making role as it relates to Next Generation information and communications technologies, such as 5G and future G's. ITS will continue to represent emerging U.S. interests through targeted technical expertise and contributions to influence development and negotiation of national and international standards that support an open and globally competitive telecommunications marketplace. Anticipating the discovery of novel technologies, by FY 2025 ITS anticipates promoting the standardization of new commercial technologies designed to share spectrum through engagement with and technical contributions to the 3rd Generation Partnership Project (3GPP).

Exhibit 12

Explanation and Justification

		2023 Actual		2024 Annualized		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Advanced Communications Research	Pos./BA	31	$13,893	43	$13,893	43	$15,391
	FTE/Obl.	30	11,629	31	17,158	43	15,391

NTIA will conduct research in areas of efficient spectrum access and spectrum sharing and other critical spectrum activities. The critical radio frequency measurement data NTIA gathers will provide ITS, private partners, and the public sector with data and modeling tools that will be used to deploy new telecommunication networks and services and increase commercial access to new shared radio bands. Exploiting new capabilities at the Table Mountain Field Site and Radio Quiet Zone will support end-to-end testing of the interactions between commercial (5G) and federal spectrum dependent systems that are candidates for spectrum sharing. To keep pace with the research and development of 5G — one of the fastest growing and most powerful communications technologies — NTIA will continue to adapt and expand the 5G communications laboratory and direct subject matter expertise to give the U.S. a compelling voice in the global development and standardization of the evolution of information and communications technologies. These efforts will help ensure that NTIA has sufficient engineering expertise to inform its policy-making role in working to ensure U.S. industry success in the global 5G and beyond information and communications technologies market.

Exhibit 13

U.S. Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGES FOR 2025
(Dollar amounts in thousands)

		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Advanced Communications Research	Pos./BA	43	$15,391	43	$14,391	0	($1,000)
	FTE/Ob.	43	15,391	43	14,391	0	(1,000)

Reduction to Advanced Communications Research (-$1,000, 0 FTE/0 Positions)

This program change is requested to support other NTIA and Administration priorities. At this reduced level of funding, NTIA will continue to perform research in critical fields such as spectrum management, telecommunication standards and audio/visual transmission effects. Fewer resources will be available to apply towards two spectrum management programs. First the National Spectrum Strategy will improve our use of radio waves, which includes many tasks such as research studies on spectrum bands. These highly technical studies are also important not only for domestic consideration but also for international discussions. However, sharing the results from these studies will be delayed because it will take more time to finish the work and share the findings. Second, the study of new satellite systems that orbit close to Earth and how they might interfere with radio astronomy. Radio astronomy is the study of the universe through the radio waves emitted by celestial objects, rather than the light visible to our eyes. This research is needed not just for NTIA, but also for other federal partners and for countries around the world as to determine the co-existence mechanisms between these commercial satellite systems and radio astronomy.

Performance Measures	2025	2026	2027	2028	2029
ITS Publicly Released Research Papers with reduction	13	13	13	13	13
ITS Publicly Released Research Papers without reduction	15	15	15	15	15

Exhibit 14

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Advanced Communications Research
Program Change: Advanced Communications Research

Title	Grade	Number	Annual Salary	Total Salaries
		0	$0	$0
Subtotal		0		0
Less Lapse 25%		0		0
Total full-time permanent FTE		0		0
2025 Pay Adjustment 2%				0
Total				0

Personnel Data

Full-Time Equivalent Employment:
	Number
Full-time permanent	0
Other than full-time permanent	0
Total	0

Authorized Positions:
	Number
Full-time permanent	0
Other than full-time permanent	0
Total	0

Exhibit 15

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
ADVANCED COMMUNICATIONS RESEARCH
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Advanced Communications Research

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$3,229	$4,202	4,712	$4,712	$0
11.3	Other than full-time permanent	93	41	$41	41	0
11.5	Other personnel compensation	240	104	108	108	0
11.8	Special personnel services payments	0	0	$0	0	0
11.9	**Total personnel compensation**	3,562	4,347	4,861	4,861	0
12.1	Civilian personnel benefits	1,137	1,406	1,578	1,578	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	65	125	125	125	0
22	Transportation of things	2	2	2	2	0
23.1	Rental payments to GSA	55	71	71	71	0
23.2	Rental payments to others	34	63	63	63	0
23.3	Commun., util., and misc. charges	57	50	50	50	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	660	539	362	162	(200)
25.2	Other services from non-Federal sources	74	2,304	1,596	1,296	(300)
25.3	Other goods and services from Federal sources	295	1,123	2,840	2,340	(500)
25.4	Operations and maintenance of facilities	1,585	797	797	797	0
25.5	Research and development contracts	2,031	2,040	40	40	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	18	294	294	294	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	332	34	34	34	0
31	Equipment	1,568	3,962	2,677	2,677	0
32	Lands and structures	153	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	Total Obligations	11,629	17,158	15,391	14,391	(1,000)

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Broadband Programs

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Broadband Programs	Pos./BA	34	19,485	40	19,485	40	20,782	40	19,169	0	($1,613)
	FTE/Obl	33	12,379	34	29,063	40	20,782	40	19,169	0	(1,613)
Total	Pos./BA	34	19,485	40	19,485	40	20,782	40	19,169	0	(1,613)
	FTE/Obl	33	12,379	34	29,063	40	20,782	40	19,169	0	(1,613)

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Broadband Programs

Goal Statement

The Broadband Program promotes the expansion of broadband access and use across America by facilitating and overseeing investments in critical infrastructure deployment and digital inclusion that will help attract new jobs, promote economic growth, and encourage increased innovation.

Base Program

The Consolidated Appropriations Act, 2021, and the ACCESS BROADBAND Act, established the Office of Internet Connectivity and Growth (OICG) at NTIA. All of NTIA's broadband programs are housed in OICG including the Office of Minority Broadband Initiatives (OMBI), the NTIA Broadband Availability Map (NBAM), all of its State and interagency coordination functions, including support for the Broadband Interagency Coordination Agreement (BICA), as well as its BroadbandUSA technical assistance programs that provide community outreach and support for state, tribal, local leaders, rural communities and industry on the breadth of issues related to the digital divide in our country.

ACCESS Broadband Act charged OICG with tracking in a centralized database, Federal and state broadband programs for the construction of broadband infrastructure and programs supporting the adoption and use of broadband services. OICG publishes an annual report including the number of residents of the United States that received broadband as result of Federal broadband support programs, a description of Americans who received support for broadband services and related equipment and training, as well as the economic impact of such broadband deployment efforts on local economies, including any effect on small businesses or jobs.

Exhibit 12

OICG will continue the BroadbandUSA outreach activities with states, localities, tribal organizations, organizations representing rural communities and industry to improve broadband availability and digital equity efforts, hold regional and virtual workshops to share best practices and effective strategies for promoting broadband access and adoption, develop education and training tools to support local strategies to expand broadband access and adoption.

Through the Office of Minority Broadband Initiatives, NTIA will continue to collaborate with Federal agencies, state, local and tribal governments, Historically Black Colleges and Universities, Tribal Colleges and Universities, Minority-Serving Institutions, and any interested stakeholders to promote initiatives related to expanding connectivity and digital opportunities for anchor communities.

Statement of Operating Objectives

NTIA will accomplish its required objectives related to ACCESS BROADBAND and its Broadband Interagency Coordination Agreement efforts to promote greater coordination across Federal programs to better target broadband investments to unserved areas. NTIA will also prepare a report to Congress identifying the number of residents of the United States that received broadband as result of Federal broadband support programs, a description of Americans who received support for broadband services and related equipment and training, as well as the economic impact of such broadband deployment efforts on local economies, including any effect on small businesses or jobs.

NTIA will support its broadband program administration and support to external stakeholders through its broadband availability data and awarded/pending grant funding mapping initiative. NTIA will accomplish the following items: 1) update geographic information systems (GIS) and geo-analytical systems, necessary to support the base program; 2) integrate, visualize, and analyze broadband availability data and awarded/pending grant funding from participating states and Federal agencies; 3) integrate, visualize, and analyze broadband availability data from broadband providers; and 4) integrate the new Broadband DATA Act granular data on broadband availability. These important improvements will enhance NTIA's data collection and analytic capabilities to better support policymaking and investment decisions. These mapping capabilities will support NTIA's understanding of broadband availability, other Federal agency broadband investments, and support informed broadband program investments and decision-making.

NTIA will carry out the responsibilities of the Office of Minority Broadband Initiatives to collaborate with Federal agencies, state, local, and tribal governments, Historically Black Colleges and Universities, Tribal Colleges and Universities, Minority-Serving Institutions,

Exhibit 12

and any interested stakeholders to help navigate Federal funding opportunities and promote broadband Internet access and adoption, digital literacy, professional development opportunities, and deployment of advanced technologies in anchor communities that serve minority populations.

NTIA's BroadbandUSA program will provide stakeholder technical assistance on broadband planning, deployment, and digital equity efforts, in particular through its administration and facilitation of key stakeholder cohorts, including the State Broadband Leaders Network, Digital Equity Leaders Network, and Tribal Broadband Leaders Network to promote stakeholder collaboration and knowledge sharing. NTIA will convene stakeholders virtually and through in-person meetings and develop technical assistance materials based on stakeholder needs.

Explanation and Justification

Through its BroadbandUSA program, NTIA provides technical assistance to tribal, state, and local communities seeking to expand connectivity and meet their economic development goals. BroadbandUSA's work will support stakeholders with technical, solution-neutral guidance and tools that help them engage in more effective and persuasive discussions with broadband partners and providers. BroadbandUSA staff will continue to lead workshops and events for communities and stakeholder cohorts to facilitate public-private partnerships, explore a variety of infrastructure and digital inclusion funding opportunities, provide fresh perspectives for digital equity, and foster innovation for Internet connectivity and use. NTIA will engage with stakeholders within industry, state, regional, and local entities to further common goals of increasing broadband access, particularly in rural areas. BroadbandUSA will work closely with the organizations at all levels of government to assist in removing barriers to deployment, facilitating and developing information, and increasing knowledge on broadband.

Exhibit 12

		2023 Actual		2024 Annualized		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Broadband Programs	Pos./BA	34	$19,485	40	$19,485	40	$20,782
	FTE/Obl.	30	12,379	34	29,063	40	20,782

Through its Office of Minority Broadband Initiatives, NTIA continues to expand NTIA's minority stakeholder engagement, principally by leveraging NTIA's engagement with Historically Black Colleges and Universities (HBCUs) and Tribal Colleges and Universities (TCUs). In particular and in line with the Administration's imperative to promote rural broadband deployment, 5G deployment, economic competitiveness, and digital equity.

NTIA will continue to build upon and leverage its broadband mapping and data capabilities, updating and maintaining the more than 380 data layers/inputs to support its base programs and its grant programs. NTIA will continue to integrate new public and private datasets, improve technical capabilities, and improve the visualization, analytical, and other features into its mapping capabilities and platform. NTIA will evolve its broadband mapping platform to identify areas that need broadband infrastructure investments at a more granular level, leveraging the location-based broadband availability information from the FCC maps required in the Broadband DATA Act. These tools support NTIA's sharing of its planned and awarded investments with Federal partners and support its review of other proposed or awarded Federal investments to prevent the duplication of Federal funding and support the development and sharing of tools with the public on broadband availability.

NTIA will continue to support its Federal broadband interagency coordination role, codified in the ACCESS Broadband Act and Broadband Interagency Coordination Agreement (BICA), including updating the centralized database of Federal and state broadband programs (published annually on the BroadbandUSA website) and developing the annual report to identify and illustrate all Federal funding supporting broadband efforts.

Exhibit 13

U.S. Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM CHANGES For 2025
(Dollar amounts in thousands)

		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Broadband Programs	Pos./BA	40	$20,782	40	$19,169	0	($1,613)
	FTE/Ob.	40	20,782	40	19,169	0	(1,613)

Reduction to Rural Coordination Support (-$1,613, 0 FTE/0 Positions)

This program change is requested to support other NTIA and Administration priorities. At this level of funding, NTIA will provide support for rural communities at a reduced level. NTIA supports this important work to build capacity in rural communities that lack access to high speed affordable and reliable Internet services, however at this funding level NTIA will reduce its support for the Digital Equity Leaders Network (DELN).

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Performance Measures	2025	2026	2027	2028	2028
DELN monthly virtual assistance sessions with reduction	6	6	6	6	6
DELN monthly virtual assistance sessions without reduction	12	12	12	12	12

Exhibit 14

Department of Commerce
National Telecommunications and information Administration
Salaries and Expenses
PROGRAM CHANGE PERSONNEL DETAIL

Activity: **Broadband Programs**
Program Change: **Broadband Programs**

Title		Grade	Number	Annual Salary	Total Salaries
			0	$0	$0
Subtotal			0		0
Less lapse	0%		0		0
Total full-time permanent (FTE)			0		0
2025 Pay Adjustment	2%				0
					0

Personnel Data Summary
Full-Time Equivalent Employment (FTE)

Full-time permanent	0
Other	0
Total FTE	0

Authorized Positions

Full-time permanent	0
Other	0
Total Positions	0

Exhibit 15

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
ADVANCED COMMUNICATIONS RESEARCH
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Broadband Programs

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$4,372	$4,595	4,915	4,915	$0
11.3	Other than full-time permanent	74	18	18	18	0
11.5	Other personnel compensation	130	110	114	114	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	4,576	4,723	5,047	5,047	0
12.1	Civilian personnel benefits	1,635	1,522	1,635	1,635	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	75	33	38	38	0
22	Transportation of things	3	1	1	1	0
23.1	Rental payments to GSA	120	1,357	1,373	1,373	0
23.2	Rental payments to others	16	25	25	25	0
23.3	Commun., util., and misc. charges	11	58	8	8	0
24	Printing and reproduction	5	1	1	1	0
25.1	Advisory and assistance services	2,611	6,381	5,450	4,450	(1,000)
25.2	Other services from non-Federal sources	220	6,871	4,865	4,252	(613)
25.3	Other goods and services from Federal sources	820	6,067	1,235	1,235	0
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	228	400	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	371	371	371	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	11	17	17	17	0
31	Equipment	2,048	1,236	716	716	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	Total Obligations	12,379	29,063	20,782	19,169	(1,613)

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Public Safety Communications

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Public Safety Communications	Pos./BA	7	$3,082	7	$3,082	7	$3,292	7	$3,292	0	$0
	FTE/Obl	5	2,115	7	4,403	7	3,292	7	3,292	0	0
Total	Pos./BA	7	3,082	7	3,082	7	3,292	7	3,292	0	0
	FTE/Obl	5	2,115	7	4,403	7	3,292	7	3,292	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Public Safety Communications

<u>Goal Statement</u>

NTIA's public safety communications program provides the critical leadership and support for the coordination, interoperability, improvement, and technical resources for our nation's public safety agencies in their adoption and implementation of advanced communications technologies.

<u>Base Program</u>

NTIA's public safety communications program will continue to serve the nation's emergency communications needs with policy support, training, and stakeholder engagement. NTIA is uniquely situated to support public safety agencies in their efforts to adopt and implement advanced communication technologies given NTIA's technical spectrum and public safety expertise. NTIA provides continued support for Next Generation (NG9-1-1) activities and responsibilities related to the First Responder Network Authority (FirstNet Authority).

<u>Statement of Operating Objectives</u>

NTIA supports the communication needs of public safety personnel at all levels of government with their NG9-1-1 activities. NTIA serves as a key federal-level coordinator for public safety communications and works closely with other federal agencies, states, territories and local governments, public safety personnel at all levels of government, and equipment manufacturers to plan for and perform outreach regarding NG9-1-1 implementation. With this continued funding, NTIA will engage other federal agencies to advance regulatory, financial, and policy priorities for nationwide NG9-1-1 deployment. NTIA's activities will support the efforts of federal, state, local, and tribal public safety agencies to utilize cutting-edge NG9-1-1 technologies that can improve public safety responses and help save lives. In FY 2025, NTIA will focus on continued implementation of the NG9-1-1 Training Program for State, local, and tribal 9-1-1 officials.

Exhibit 12

- The NG9-1-1 Training program will conduct work focused on assisting Emergency Communications Centers (ECCs) prepare for the deployment and implementation of NG9-1-1.

- These activities will also address the GAO recommendations in GAO-18-252 on how federal agencies, including NTIA, should be supporting the state and local NG9-1-1 efforts.

NG9-1-1 Training Program
- o This offering will focus on training ECC leadership on the technical and operational impacts of properly defining and implementing true NG9-1-1. Among the topics this program will address are requirements for NG9-1-1 including:

  - Definitions and why they matter, and

  - How to craft acquisition documents and contracts that satisfy the operational needs of the agency, above and beyond high-level compliance with industry standards or a furtherance of outdated approaches to a next generation opportunity.

- o In implementing this program, NTIA operates as an honest broker to provide advice on how to best prepare for NG9-1-1 and how to navigate the complex environment of NG9-1-1.

The public safety communications program is also designated within NTIA as the coordination point between NTIA and the First Responder Network Authority (FirstNet Authority) to carry out NTIA's statutory requirements under the Middle Class Tax Relief and Job Creation Act of 2012 (Act) and other delegated monitoring functions. The Act established the FirstNet Authority as an independent authority within NTIA and directed it to construct, operate, maintain, and improve a Nationwide Public Safety Broadband Network, providing priority and preemptive communications services to first responders throughout the United States. The Act directed NTIA to perform specific statutory functions related to the FirstNet Authority and NTIA's Assistant Secretary has further delegated additional implementation monitoring activities to the Office of Public Safety Communications. These are:

- Fee Review and Approval: On an annual basis, NTIA must, in accordance with the Act, review and approve the fees FirstNet Authority intends to collect from its contractor, AT&T, to ensure the fees are sufficient, but not exceed, the amount necessary to cover FirstNet's expenses as it carries out its duties under the Act.

- FirstNet Authority Non-Permanent Board Member Appointments: NTIA supports the Secretary in the appointment of 12 non-permanent Board members as required in the Act, including the recruitment and vetting of Board applicants to ensure that the Board's statutory composition is maintained.

Exhibit 12

- FirstNet Authority Monitoring: This program also facilitates a quarterly review cycle with the FirstNet Authority to ensure that the Department and NTIA have appropriate situational awareness of FirstNet's operational, financial, and capital investment activities. NTIA, in coordination with the FirstNet Authority, has developed and maintains Standard Operating Procedures regarding how the FirstNet Authority interrelates to NTIA and the Department as an independent authority within NTIA.

<u>Explanation and Justification</u>

NG9-1-1: For more than 50 years, 9-1-1 systems have served the needs of the public in emergencies. As communication technologies have evolved to include wireless phones, text and picture messaging, video chat, social media, and Voice over Internet Protocol (VoIP) devices, the 9-1-1 systems have not kept pace and are unable to accept information from these new communication methods. The future success of 9-1-1 in serving the public's needs will only be possible when our 9-1-1 call centers have transitioned from analog to an Internet Protocol (IP)-based 9-1-1 systems, commonly referred to as Next Generation 9-1-1 or NG9-1-1. The major attributes of NG9-1-1 are systems that are interoperable, multimedia capable, resilient, and secure. The GAO's January 2018 report to Congress, GAO-18-252, recommended that the federal government could strength efforts to assist states.[6]

Line Item		2023 Actual		2024 Annualized CR		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Public Safety Communications	Pos./BA	7	$3,082	7	$3,082	7	$3,292
	FTE/Obl	<u>5</u>	2,115	7	4,403	7	3,292

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[6] The GAO stated that *"[w]hile deploying and operating 911 is the responsibility of entities at the state and local level, Federal agencies – including NHTSA (National Highway Transportation and Safety Administration), NTIA, FCC (the Federal Communications Commission), and DHS (U.S. Department of Homeland Security) – have responsibilities to support NG911 implementation, including through facilitating coordination activities among 911 stakeholders and administering Federal grants."*

Exhibit 12

For public safety agencies, the transition to NG9-1-1 will be complex and challenging. In order to successfully make the transition to NG9-1-1, agencies at all levels will require information, training, planning, technical certainty, and coordination to leverage NG9-1-1 for first responders and the public who they serve. These activities also directly address the GAO recommendations in GAO-18-252 on how federal agencies, including NTIA, should be supporting the state and local NG9-1-1 efforts. The NG9-1-1 Training program positions stakeholders to take full advantage of opportunities to implement NG9-1-1 and it empowers stakeholders to seek and obtain the NG9-1-1 services that best serve their communities.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$14,194	$19,719	$21,160	$21,722	$562
11.3	Other than full-time permanent	400	356	356	356	0
11.5	Other personnel compensation	517	484	499	516	17
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	15,111	20,559	22,015	22,594	579
12.1	Civilian personnel benefits	5,191	6,636	7,160	7,357	197
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	509	677	691	692	1
22	Transportation of things	6	8	8	8	0
23.1	Rental payments to GSA	542	3,016	3,066	3,066	0
23.2	Rental payments to others	110	378	377	390	13
23.3	Commun., util., and misc. charges	107	207	96	103	7
24	Printing and reproduction	8	17	17	17	0
25.1	Advisory and assistance services	5,152	10,468	10,388	9,557	(831)
25.2	Other services from non-Federal sources	962	19,621	10,112	8,695	(1,417)
25.3	Other goods and services from Federal sources	3,399	12,128	7,747	6,581	(1,166)
25.4	Operations and maintenance of facilities	1,585	797	797	797	0
25.5	Research and development contracts	5,356	7,440	40	40	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	18	1,298	1,298	1,298	0
25.8	Subsistence and support of persons	0	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	425	105	106	110	4
31	Equipment	4,121	5,966	3,695	3,695	0
32	Lands and structures	153	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	289	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	43,044	89,321	67,613	65,000	(2,613)
	Recoveries	(3,984)	0	0	0	0
	Unobligated balance, start of year	(6,613)	(27,321)	0	0	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	27,321	0	0	0	0
	Unobligated balance expiring	2,232	0	0	0	0
	Total Budget Authority	32,447	62,000	67,613	65,000	(2,613)

Personnel Data
Full-Time equivalent Employment:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	122	136	166	169	3
Other than full-time permanent	4	5	4	4	0
Total	126	141	170	173	3

Authorized Positions:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	144	165	166	170	4
Other than full-time permanent	6	5	4	4	0
Total	150	170	170	174	4

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Domestic and International Policies
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Domestic and International Policies

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$4,235	$5,527	$5,969	$6,787	$562
11.3	Other than full-time permanent	201	284	284	284	0
11.5	Other personnel compensation	102	140	144	161	17
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	4,538	5,951	6,397	7,232	579
12.1	Civilian personnel benefits	1,546	1,921	2,075	2,347	197
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	345	402	407	408	1
22	Transportation of things	0	2	2	2	0
23.1	Rental payments to GSA	150	382	401	401	0
23.2	Rental payments to others	33	25	25	38	13
23.3	Commun., util., and misc. charges	16	56	37	44	7
24	Printing and reproduction	1	4	4	4	0
25.1	Advisory and assistance services	1,604	917	2,684	3,720	1,036
25.2	Other services from non-Federal sources	117	4,293	2,343	2,175	163
25.3	Other goods and services from Federal sources	1,976	3,171	2,270	2,270	0
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	2,717	4,000	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	359	359	359	0
25.8	Subsistence and support of persons	0	0	0	0	0

Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26 Supplies and materials	62	28	29	33	4
31 Equipment	206	247	146	146	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	289	0	0	0	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	0	0	0	0	0
44 Refunds	0	0	0	0	0
99.9 **Total Obligations**	13,600	21,758	17,179	19,179	2,000
Less prior year recoveries	(584)	0	0	0	0
Less prior year unobligated balance	(4,106)	(6,193)	0	0	0
Unobligated balance, expiring	462	0	0	0	0
Unobligated balance, end of year	6,193	0	0	0	0
Total Budget Authority	15,565	15,565	17,179	19,179	2,000

Personnel Data
Full-Time equivalent Employment:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	32	36	45	48	3
Other than full-time permanent	2	4	4	4	0
Total	34	40	49	52	3

Authorized Positions:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	45	45	45	49	4
Other than full-time permanent	4	4	4	4	0
Total	49	49	49	53	4

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Spectrum Management
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Spectrum Management

	Object Class	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$1,496	$4,361	$4,530	$4,530	$0
11.3	Other than full-time permanent	27	13	13	13	0
11.5	Other personnel compensation	17	104	107	107	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	1,540	4,478	4,650	4,650	0
12.1	Civilian personnel benefits	588	1,443	1,528	1,528	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	10	54	58	58	0
22	Transportation of things	1	1	1	1	0
23.1	Rental payments to GSA	183	904	919	919	0
23.2	Rental payments to others	23	265	264	264	0
23.3	Commun., util., and misc. charges	19	42	0	0	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	154	352	667	0	(667)
25.2	Other services from non-Federal sources	5	5,917	1,080	413	(667)
25.3	Other goods and services from Federal sources	185	1,682	1,360	694	(666)
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	344	1,000	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	267	267	267	0
25.8	Subsistence and support of persons	0	0	0	0	0

	Object Class	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	16	22	23	23	0
31	Equipment	252	511	151	151	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	3,321	16,939	10,969	8,969	(2,000)
	Less prior year recoveries	(540)	0	0	0	0
	Less prior year unobligated balance	(382)	(6,964)	0	0	0
	Unobligated balance, expiring	612	0	0	0	0
	Unobligated balance, end of year	6,964	0	0	0	0
	Total Budget Authority	9,975	9,975	10,969	8,969	(2,000)

Personnel Data

Full-Time equivalent Employment:

	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	24	29	31	31	0
Other than full-time permanent	0	0	0	0	0
Total	24	29	31	31	0

Authorized Positions:

	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	29	31	31	31	0
Other than full-time permanent	0	0	0	0	0
Total	29	31	31	31	0

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Advanced Communications Research
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Advanced Communications Research

	Object Class	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$3,229	$4,202	$4,712	$4,712	$0
11.3	Other than full-time permanent	93	41	41	41	0
11.5	Other personnel compensation	240	104	108	108	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	3,562	4,347	4,861	4,861	0
12.1	Civilian personnel benefits	1,137	1,406	1,578	1,578	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	65	125	125	125	0
22	Transportation of things	2	2	2	2	0
23.1	Rental payments to GSA	55	71	71	71	0
23.2	Rental payments to others	34	63	63	63	0
23.3	Commun., util., and misc. charges	57	50	50	50	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	660	539	362	162	(200)
25.2	Other services from non-Federal sources	74	2,304	1,596	1,296	(300)
25.3	Other goods and services from Federal sources	295	1,123	2,840	2,340	(500)
25.4	Operations and maintenance of facilities	1,585	797	797	797	0
25.5	Research and development contracts	2,031	2,040	40	40	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	18	294	294	294	0
25.8	Subsistence and support of persons	0	0	0	0	0

	Object Class	2023 Enacted	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	332	34	34	34	0
31	Equipment	1,568	3,962	2,677	2,677	0
32	Lands and structures	153	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	11,629	17,158	15,391	14,391	(1,000)
	Less prior year recoveries	(531)	0	0	0	0
	Less prior year unobligated balance	(568)	(3,265)	0	0	0
	Unobligated balance, expiring	98	0	0	0	0
	Unobligated balance, end of year	3,265	0	0	0	0
	Total Budget Authority	13,893	13,893	15,391	14,391	(1,000)

Personnel Data
Full-Time equivalent Employment:

Full-time permanent	29	30	43	43	0
Other than full-time permanent	1	1			
Total	30	31	43	43	0

Authorized Positions:

Full-time permanent	30	42	43	43	0
Other than full-time permanent	1	1			
Total	31	43	43	43	0

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Broadband Programs
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Broadband Programs

Object Class		2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$4,372	$4,595	$4,915	$4,915	$0
11.3	Other than full-time permanent	74	18	18	18	0
11.5	Other personnel compensation	130	110	114	114	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	4,576	4,723	5,047	5,047	0
12.1	Civilian personnel benefits	1,635	1,522	1,635	1,635	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	75	33	38	38	0
22	Transportation of things	3	1	1	1	0
23.1	Rental payments to GSA	120	1,357	1,373	1,373	0
23.2	Rental payments to others	16	25	25	25	0
23.3	Commun., util., and misc. charges	11	58	8	8	0
24	Printing and reproduction	5	1	1	1	0
25.1	Advisory and assistance services	2,611	6,381	5,450	4,450	(1,000)
25.2	Other services from non-Federal sources	220	6,871	4,865	4,252	(613)
25.3	Other goods and services from Federal sources	820	6,067	1,235	1,235	0
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	228	400	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	371	371	371	0
25.8	Subsistence and support of persons	0	0	0	0	0

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	11	17	17	17	0
31	Equipment	2,048	1,236	716	716	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	12,379	29,063	20,782	19,169	(1,613)
	Less prior year recoveries	(2,292)	0	0	0	0
	Less prior year unobligated balance	(1,200)	(9,578)	0	0	0
	Unobligated balance, expiring	1,020	0	0	0	0
	Unobligated balance, end of year	9,578	0	0	0	0
	Total Budget Authority	19,485	19,485	20,782	19,169	(1,613)

Personnel Data
Full-Time equivalent Employment:

Full-time permanent	32	34	40	40	0
Other than full-time permanent	1	0	0	0	0
Total	33	34	40	40	0

Authorized Positions:

Full-time permanent	33	40	40	40	0
Other than full-time permanent	1	0	0	0	0
Total	34	40	40	40	0

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
Public Safety Communications
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Public Safety Communications

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$862	$1,034	$1,034	$1,034	$0
11.3	Other than full-time permanent	5	0	0	0	0
11.5	Other personnel compensation	28	26	26	26	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	895	1,060	1,060	1,060	0
12.1	Civilian personnel benefits	285	344	344	344	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	14	63	63	63	0
22	Transportation of things	0	2	2	2	0
23.1	Rental payments to GSA	34	302	302	302	0
23.2	Rental payments to others	4	0	0	0	0
23.3	Commun., util., and misc. charges	4	1	1	1	0
24	Printing and reproduction	0	10	10	10	0
25.1	Advisory and assistance services	123	2,279	1,225	1,225	0
25.2	Other services from non-Federal sources	546	236	228	228	0
25.3	Other goods and services from Federal sources	123	85	42	42	0
25.4	Operations and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	36	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	7	7	7	0
25.8	Subsistence and support of persons	0	0	0	0	0

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	4	4	3	3	0
31	Equipment	47	10	5	5	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	2,115	4,403	3,292	3,292	0
	Less prior year recoveries	(37)	0	0	0	0
	Less prior year unobligated balance	(357)	(1,321)	0	0	0
	Unobligated balance, expiring	40	0	0	0	0
	Unobligated balance, end of year	1,321	0	0	0	0
	Total Budget Authority	3,082	3,082	3,292	3,292	0

Personnel Data

Full-Time equivalent Employment:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	5	7	7	7	0
Other than full-time permanent	0	0	0	0	0
Total	5	7	7	7	0

Authorized Positions:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	7	7	7	7	0
Other than full-time permanent	0	0	0	0	0
Total	7	7	7	7	0

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Exhibit 32

**Department of Commerce
National Telecommunications and Information Administration
Department of Commerce – General Provisions
JUSTIFICATION OF PROPOSED LANGUAGE CHANGES**

FY 2025

The following language is proposed in the general provisions for the Department of Commerce to make up to .07 percent of amounts available for Broadband programs in the Infrastructure Investment and Jobs Act (Public Law 117-58) for conducting oversight and monitoring of grants.

Sec. 110 Up to 0.7 percent of amounts made available to the National Telecommunications and Information Administration in title II of division J of the Infrastructure Investment and Jobs Act (Public Law 117-58) shall be available for salaries and expenses, administration, and oversight of any program administered by such Administration that received appropriations in such Act, in addition to amounts previously made available for such purposes in such Act: Provided, That such amounts shall remain available until expended: Provided further, That such amounts may also be used for salaries and expenses, administration, and oversight of the Connecting Minority Communities Pilot Program (as authorized by section 902 of division N of Public Law 116-260) and the Broadband Infrastructure Program (as authorized by section 905(d) of division N of Public Law 116-260): Provided further, That such amounts may be transferred between the appropriate accounts to carry out this section: Provided further, That this section shall not reduce the total allocation for any State under Program Notices of Available Amounts dated June 30, 2023: Provided further, That amounts repurposed pursuant to this section shall continue to be treated as amounts specified in section 103(b) of division A of Public Law 118-5.

Exhibit 33

**Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
APPROPRIATION LANGUAGE AND CODE CITATION**

<u>FY 2025</u>

APPROPRIATION LANGUAGE

For necessary expenses, as provided for by law, of the National Telecommunications and Information Administration (NTIA), $65,000,000, to remain available until September 30, 2026: Provided, That, notwithstanding 31 U.S.C. 1535(d), the Secretary of Commerce shall charge Federal agencies for costs incurred in spectrum management, analysis, operations, and related services, and such fees shall be retained and used as offsetting collections for costs of such spectrum services, to remain available until expended: Provided further, That the Secretary of Commerce is authorized to retain and use as offsetting collections all funds transferred, or previously transferred, from other Government agencies for all costs incurred in telecommunications research, engineering, and related activities by the Institute for Telecommunication Sciences of NTIA, in furtherance of its assigned functions under this paragraph, and such funds received from other Government agencies shall remain available until expended.

GENERAL PROVISIONS—DEPARTMENT OF COMMERCE

Sec. 110 Up to 0.7 percent of amounts made available to the National Telecommunications and Information Administration in title II of division J of the Infrastructure Investment and Jobs Act (Public Law 117-58) shall be available for salaries and expenses, administration, and oversight of any program administered by such Administration that received appropriations in such Act, in addition to amounts previously made available for such purposes in such Act: Provided, That such amounts shall remain available until expended: Provided further, That such amounts may also be used for salaries and expenses, administration, and oversight of the Connecting Minority Communities Pilot Program (as authorized by section 902 of division N of Public Law 116-260) and the Broadband Infrastructure Program (as authorized by section 905(d) of division N of Public Law 116-260): Provided further, That such amounts may be transferred between the appropriate accounts to carry out this section: Provided further, That this section shall not reduce the total allocation for any State under Program Notices of Available Amounts dated June 30, 2023: Provided further, That amounts repurposed pursuant to this section shall continue to be treated as amounts specified in section 103(b) of division A of Public Law 118-5.

15 U.S.C. § 1512	47 U.S.C. § 901, et seq.	47 U.S.C. § 1701
15 U.S.C. § 1532	47 U.S.C. § 1304	47 U.S.C. § 1721
47 U.S.C. § 305	47 U.S.C. § 1305	47 U.S.C. § 1741
47 U.S.C. § 606	47 U.S.C. § 1413	

Exhibit 33

15 U.S.C. § 1512 authorizes the Secretary of Commerce to foster, promote and develop foreign and domestic commerce.

15 U.S.C. § 1532 authorizes the Secretary of Commerce to conduct research and analysis in all telecommunications sciences; to investigate the transmission of radio waves and electromagnetic radiation; and to compile, evaluate, publish, and distribute related information.

47 U.S.C. § 305 authorizes the President to assign frequencies to radio stations or classes of radio stations belonging to and operated by the United States. Originally delegated to the Department of Commerce by Executive Order 12046, as later codified in the National Telecommunications and Information Administration Organization Act, 47 U.S.C. § 901, et seq.

47 U.S.C. § 606 and associated Executive Orders authorize the President to perform certain telecommunications emergency functions essential to security and the national defense.

47 U.S.C. § 901, et seq. authorizes NTIA to perform the Secretary's communications and information functions, among other things.

47 U.S.C. § 1304 authorizes the Secretary of Commerce to establish and administer a grant program for the development and implementation of statewide initiatives to identify and track the availability and adoption of broadband services within each State.

 47 U.S.C. § 1305 authorizes the Assistant Secretary of Commerce for Communications and Information to establish and administer a national broadband service development and expansion grant program and to develop and maintain a comprehensive nationwide inventory map of existing broadband service capability and availability in the United States.

47 U.S.C. § 1701 authorizes the Assistant Secretary to establish and administer a grant program, to be known as the "Broadband Equity, Access, and Deployment Program", under which the Assistant Secretary makes grants to eligible entities, in accordance with this section, to bridge the digital divide.

47 U.S.C. § 1721 authorized the Assistant Secretary to establish and administer a grant program, to be known as the State Digital Equity Capacity Grant Program, to promote the achievement of digital equity, support digital inclusion activities, and build capacity for efforts by States relating to the adoption of broadband by residents of those States.

47 U.S.C. § 1741 authorizes the Assistant to establish and administer a program under which the Assistant Secretary makes grants on a technology-neutral, competitive basis to eligible entities for the construction, improvement, or acquisition of middle mile infrastructure.

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Annualized CR	2025 Estimate
Management and professional services	$4,492	$9,929	$9,143
Special studies and analyses	0	0	0
Management and support services for research and development	660	539	162
Total	5,152	10,468	9,305

Exhibit 35

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
PERIODICALS, PAMPHLETS AND AUDIOVISUAL PRODUCTS

	2023 Actual	2024 Annualized CR	2025 Estimate
Periodicals	$0	$0	$0
Pamphlets	0	0	0
Audiovisuals	0	0	0
Total	0	0	0

Exhibit 36

Department of Commerce
National Telecommunications and Information Administration
Salaries and Expenses
AVERAGE GRADE AND SALARIES

	2023 Actual	2024 Annualized CR	2025 Estimate
Average ES Salary	$201,790	$211,597	$215,829
Average GS/GM Grade	13	13	13
Average GS/GM Salary	$143,293	$150,257	$153,262

Exhibit 41

Department of Commerce
Operating Unit of Commerce
Salaries and Expenses
IMPLEMENTATION STATUS OF GAO AND OIG RECOMMENDATIONS

31 U.S.C. 720, as amended January 3, 2019, requires the head of a federal agency to submit a written statement of the actions taken or planned on Government Accountability Office (GAO) recommendations to the House and Senate Committees on Appropriations with the agency's first request for appropriations made more than 180 calendar days after the date of the report.

The Good Accounting Obligation in Government Act (GAO-IG Act), passed on January 3, 2019, (P.L. 115-414) requires each agency to include, in its annual budget justification, a report that identifies each public recommendation issued by GAO and the agency's office of the inspector general (OIG) which has remained unimplemented for one year or more from the annual budget justification submission date. In addition, the Act requires a reconciliation between the agency records and the IGs' Semiannual Report to Congress (SAR).

Section 1. Recommendations for which action plans were finalized since the last appropriations request.

Include information on recommendations for which an action plan has been completed since the last budget report. If you have nothing to report, state Nothing to Report."

Report Number	Report Title	Issue Date	Recomm endation Number	Recommendation	Action(s) Planned	Action Status (Planned, In-Progress, or Complete)	Target Compl etion Date	Recommenda tion Status (Planned, In-Progress, or Complete)
GAO-23-106824	Tribal Broadband Connectivity Program: Feedback Should Be Provided to Applicants Receiving Equitable Distribution Grants	August 24, 2023	1	The Administrator of NTIA should provide applicants that receive equitable distribution grants in the first round of TBCP with constructive feedback—by providing debriefings or technical assistance—to help these applicants improve their applications for the second round of TBCP funding.	In-Process	In-Progress	TBD	In-Progress
GAO-24-106131	BROADBAND INFRASTRUCTURE Middle-Mile Grant Program Lacked Timely Performance Goals and Targeted Measures	October 19, 2023	2	The Administrator of NTIA should establish a process to ensure NTIA develops performance goals and measures that align with leading practices for its grant programs during program planning and design and to ensure it includes these goals and measures as part of its future notices of funding opportunities	In-Process	In-Progress	TBD	In-Progress

Exhibit 41

Section 2. Implementation of GAO public recommendations issued no less than one year ago that are designated by GAO as 'Open' or 'Closed-Unimplemented.'

Open Recommendation(s) the Department has decided not to implement.

Include information on all open recommendations made one year or more ago that the Department / bureau do not plan to implement. GAO recommendations are open until officially closed by GAO.

Nothing to Report

Open Recommendation(s) the Department plans to implement.

Include information on all open recommendations made one year or more ago that the Department / bureau plans to implement. GAO recommendations are open until officially closed by GAO.

Report Number	Report Title	Issue Date	Recommendation Number	Recommendation	Target Implementation Date	Closure Request Pending with GAO (Yes/No)	Clear Budget Implications (Yes/ No)
GAO-21-474	Spectrum Management: Agencies Should Strengthen Collaborative Mechanisms and Processes to Address Potential Interference	June 29, 2021	6	The NTIA Administrator should establish clearly defined and agreed-upon processes for making decisions on spectrum-management activities that involve other agencies, particularly when consensus cannot be reached, in consultation with FCC and—as appropriate—State.	March 14, 2024	No	No
GAO-21-474	Spectrum Management: Agencies Should Strengthen Collaborative Mechanisms and Processes to Address Potential Interference	June 29, 2021	7	The NTIA Administrator should clarify and further identify shared goals or outcomes for spectrum-management activities that involve collaboration and ways to monitor and track progress, in consultation with FCC and—as appropriate—State.	March 14, 2024	No	No
GAO-21-474	Spectrum Management: Agencies Should Strengthen Collaborative Mechanisms and Processes to Address Potential Interference	June 29, 2021	9	The NTIA Administrator should request that State initiate a review of the General Guidance Document—in consultation with NTIA, FCC, and other relevant participants—and update and develop a means to continually monitor and update this document.	In-Progress	No	No
GAO-21-474	Spectrum Management: Agencies Should Strengthen Collaborative Mechanisms and Processes to Address Potential Interference	June 29, 2021	10	The NTIA Administrator should establish procedures to help guide the design (including selection of acceptable assumptions and methodologies) of spectrum-sharing and potential-interference studies intended as U.S. contributions to WRC technical meetings, in consultation with FCC, State, and other federal participants of the U.S. technical preparatory process.	In-Progress	No	No
GAO-22-104421	Tribal Broadband: National Strategy and Coordination Framework Needed to Increase Access	Jun 22, 2022	2	The NTIA Administrator should establish a framework within the American Broadband Initiative for addressing tribal barriers. Such a framework could include adding a tribal subcommittee or standing agenda item to the existing workstreams or establishing a new workstream.	New target date being set	No	No
GAO-22-104537	Spectrum Management: NTIA Should Improve Spectrum	Jan 27, 2022	1	The NTIA Administrator should align its spectrum reallocation-planning efforts with leading practices for program management	March 14, 2024	No	No

Exhibit 41

	Reallocation Planning and Assess Its Workforce				by developing a plan, analyzing risks, and creating and updating a schedule for NTIAs ongoing and future reallocation efforts.			
GAO-22-104537	Spectrum Management: NTIA Should Improve Spectrum Reallocation Planning and Assess Its Workforce	Jan 27, 2022	2	The NTIA Administrator should document and disseminate to federal agencies policies and procedures describing how it collects and considers agencies views on spectrum-related matters to present the views of the executive branch to FCC.	March 14, 2024	No	No
GAO-22-104537	Spectrum Management: NTIA Should Improve Spectrum Reallocation Planning and Assess Its Workforce	Jan 27, 2022	3	The NTIA Administrator should assess for organization-wide competency gaps in key occupations that manage federal spectrum use and develop and implement a plan to address any identified gaps.	March 14, 2024	No	No
GAO-22-104611	Broadband: National Strategy Needed to Guide Federal Efforts to Reduce Digital Divide	May 31, 2022	1	The NTIA Administrator should direct the Office of Internet Connectivity and Growth, to consult with OMB, other White House offices, and relevant agencies and present to Congress a report that identifies the key statutory provisions that limit the beneficial alignment of broadband programs and offers legislative proposals to address the limitations, as appropriate.	May 31, 2026	No	No
GAO-22-104611	Broadband: National Strategy Needed to Guide Federal Efforts to Reduce Digital Divide	May 31, 2022	2	The NTIA Administrator should direct the Office of Internet Connectivity and Growth to regularly seek and incorporate user feedback when updating the BroadbandUSA Federal Funding Guide.	Complete - preparing closure request	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	1	For TBCP, the Administrator of NTIA should establish performance goals and measures for all of the program's purposes—funding broadband use and adoption projects as well as funding broadband infrastructure deployment projects.	Complete	Yes	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	2	For TBCP, the Administrator of NTIA should ensure the performance goal is quantifiable and measurable by defining broadband reliability and affordability.	Complete	Yes	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	3	For TBCP, the Administrator of NTIA should designate a dedicated entity to lead fraud risk management activities for the program.	March 31, 2024	No	Yes
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	4	For TBCP, the Administrator of NTIA should ensure that the dedicated entity identifies inherent fraud risks in the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	5	For TBCP, the Administrator of NTIA should ensure that the dedicated entity assesses the likelihood and impact of inherent fraud risks in the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk	Jan 24, 2023	6	For TBCP, the Administrator of NTIA should ensure that the dedicated entity determines fraud risk tolerance for the program.	March 31, 2024	No	No

Exhibit 41

	Needed for Tribal and Public-Private Partnership Grants						
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	7	For TBCP, the Administrator of NTIA should ensure that the dedicated entity examines the suitability of existing antifraud controls in the program and prioritizes residual fraud risks.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	8	For TBCP, the Administrator of NTIA should ensure that the dedicated entity documents the fraud risk profile for the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	9	For BIP, the Administrator of NTIA should ensure the performance goal is quantifiable and measurable by defining broadband affordability.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	10	For BIP, the Administrator of NTIA should designate a dedicated entity to lead fraud risk management activities for the program.	March 31, 2024	No	Yes
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	11	For BIP, the Administrator of NTIA should ensure that the dedicated entity identifies inherent fraud risks in the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	12	For BIP, the Administrator of NTIA should ensure that the dedicated entity assesses the likelihood and impact of inherent fraud risks in the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	13	For BIP, the Administrator of NTIA should ensure that the dedicated entity determines fraud risk tolerance for the program.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	14	For BIP, the Administrator of NTIA should ensure that the dedicated entity examines the suitability of existing antifraud controls in the program and prioritizes residual fraud risks.	March 31, 2024	No	No
GAO-23-105426	Broadband Funding: Stronger Management of Performance and Fraud Risk Needed for Tribal and Public-Private Partnership Grants	Jan 24, 2023	15	For BIP, the Administrator of NTIA should ensure that the dedicated entity documents the fraud risk profile for the program.	March 31, 2024	No	No

Exhibit 41

Recommendations designated by GAO as "Closed-Unimplemented for the past 5 years (2015-2019). Future reports will cover a one-year period.

Nothing to Report

Section 3. Implementation of OIG public recommendations issued no less than one year for which Final Action has not been Taken or Action Not Recommended has been Taken

Include information on all OIG recommendations that are still officially open. Commerce OIG recommendations are open until closed by the Department OIG Liaison.

Report Number	Report Title	Issue Date	Recommendation Number	Recommendation	Target Implementation Date	Reason no Final Action Taken or Action Not recommended taken	Closure Request Pending (Yes/No)
OIG-23-005-A	FirstNet Authority Could Not Demonstrate Investment Decisions Were the Best Use of Reinvestment Funds or Maximized the Benefits to Public Safety	November 28, 2022	4	We recommend that the Assistant Secretary of Commerce for Communications and Information and NTIA Administrator direct FirstNet Authority's Chief Executive Officer to do the following: Develop, implement, and execute sufficient policies and procedures to identify, select, manage, and oversee the selection of the investment opportunities to address performance gaps of the network and stakeholder needs so that the $296,299,098 in potential monetary benefits can be used more efficiently.	6/30/2023	In-Progress	No
OIG-23-012-A	FirstNet Authority Failed to Provide Adequate Contract Oversight for Its Initial Two Reinvestment Task Orders	March 1, 2023	1	We recommend that the Assistant Secretary of Commerce for Communications and Information and NTIA Administrator direct FirstNet Authority's Chief Executive Officer and Chief Procurement Officer to do the following: Modify the current QASP to ensure that NPSBN contract QASP items, for TOs 6 and 7, are complete and sufficiently detailed to measure the contractor's performance regarding the quality of NPSBN services expected to be provided for the respective TOs.	12/31/2023	In-Progress	No
OIG-23-012-A	FirstNet Authority Failed to Provide Adequate Contract Oversight for Its Initial Two Reinvestment Task Orders	March 1, 2023	2	We recommend that the Assistant Secretary of Commerce for Communications and Information and NTIA Administrator direct FirstNet Authority's Chief Executive Officer and Chief Procurement Officer to do the following: Ensure the QASP is adequately updated for future reinvestment TOs and QASP items are complete and sufficiently detailed to measure the contractor's performance regarding the quality of NPSBN services expected to be provided for the TOs.	12/31/2023	In-Progress	No
OIG-23-012-A	FirstNet Authority Failed to Provide Adequate Contract Oversight for Its Initial Two Reinvestment Task Orders	March 1, 2023	4	We recommend that the Assistant Secretary of Commerce for Communications and Information and NTIA Administrator direct FirstNet Authority's Chief Executive Officer and Chief Procurement Officer to do the following: Ensure that any personnel conducting surveillance activities on the NPSBN are appointed, in writing, and complete any necessary training and certifications as required by the Commerce Acquisition Manual and/or the Federal Acquisition Regulation.	12/31/2023	In-Progress	No

Exhibit 41

Section 4. Discrepancies between this report and the semiannual reports submitted by the Commerce Office of Inspector General or reports submitted by the GAO

Nothing to Report

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2024	0	0	$0	$0
2024 Adjustments to base:				
Plus: Inflationary adjustments to base	0	0	0	0
2025 Base	0	0	0	0
Plus: 2025 Program changes	1	1	2,000	2,000
2025 Estimate	1	1	2,000	2,000

Comparison by activity/subactivity: with totals by activity		2023 Actual		2024 Annualized		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NTIA - 82 Facilities Management and Construction	Pos./BA	0	$0	0	$0	0	$0	1	$2,000	1	$2,000
	FTE/Obl.	0	0	0	0	0	0	1	2,000	1	2,000
Total	Pos./BA	0	0	0	0	0	0	1	2,000	1	2,000
	FTE/Obl.	0	0	0	0	0	0	1	2,000	1	2,000
Adjustments for:											
Recoveries			0		0		0		0		0
Unobligated balance, start of year			0		0		0		0		0
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			0		0		0		0		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		0		0		0
Transfer to other accounts (+)			0		0		0		0		0
Appropriation			0		0		0		2,000		2,000

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Exhibit 7

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
SUMMARY OF FINANCING
(Dollar amounts in thousands)

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Total Obligations	$0	$0	$0	$2,000	$2,000
Offsetting collections from:					
Federal funds	0	0	0	0	0
Non-Federal sources	0	0	0	0	0
Recoveries	0	0	0	0	0
Unobligated balance, start of year	0	0	0	0	0
Unobligated balance transferred	0	0	0	0	0
Unobligated balance, end of year	0	0	0	0	0
Unobligated balance expiring	0	0	0	0	0
Budget Authority	0	0	0	2,000	2,000
Financing:					
Transfer from other accounts (-)	0	0	0	0	0
Transfer to other accounts (+)	0	0	0	0	0
Appropriation	0	0	0	2,000	2,000

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Facilities Management and Construction

Line Item		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Facilities Management	Pos./BA	0	$0	0	$0	0	$0	1	$2,000	1	$2,000
and Construction	FTE/Obl	0	0	0	0	0	0	1	2,000	1	2,000
Total	Pos./BA	0	0	0	0	0	0	1	2,000	1	2,000
	FTE/Obl	0	0	0	0	0	0	1	2,000	1	2,000

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Facilities Management and Construction

<u>Goal Statement</u>

Most of the infrastructure at the Table Mountain Field Site and Radio Quiet Zone was constructed prior to 1965 and needs repair, modernization, or renovation. To support the increased demands of modern spectrum sharing research, the facilities and telecommunications infrastructure at the Site will be renovated or upgraded to meet modern research, accessibility, safety, reliability, and energy efficiency requirements.

<u>Base Programs</u>

The Table Mountain Field Site and Radio Quiet Zone, located north of Boulder, Colorado, supports the fundamental research activities of the Institute for Telecommunication Sciences (ITS), the National Oceanic and Atmospheric Administration (NOAA), the National Institute of Standards and Technologies (NIST), the National Telecommunications and Information Administration (NTIA), and the U.S. Geological Survey (USGS). The property, comprising 1,700 acres with 12 buildings encompassing 13,000 square feet to support research and auxiliary functions, was originally leased by the Boulder laboratories in 1954 for the purpose of performing radio experiments. The site was subsequently purchased by the federal government in 1961.

Essential features of the site include homogeneous underlying soils; special purpose laboratory facilities; buried cabling and utilities to minimize radiated noise and interference; and radio quiet zone protection by both State and Federal laws from strong, external signals. These unique characteristics make the site ideal for sensitive radio or electromagnetic experiments, as well as for applications needing low vibration and unobstructed views of the sky. Additionally, the measurements collected at the site provide valuable historical data against which new measurements may be compared.

<u>Statement of Operating Objectives</u>

Telecommunications is one of the most rapidly evolving sectors of the economy with new generations of equipment being released annually or more frequently. To keep pace with each new generation of technology, NTIA must continually invest in

Exhibit 12

facilities to support modern measurement techniques and equipment to meet the needs of greater sensitivity, increased resolution, higher frequencies, and wider bandwidths.

At the Table Mountain Field Site and Radio Quiet Zone, the Department of Commerce's premier facility for over-the-air testing of interactions between spectrum dependent systems, NTIA will perform comprehensive upgrades, repairs, and modernization to buildings, telecommunications infrastructure, and roadways. Examples of activities include renovating building interiors, repairing roofs, replacing HVAC systems, retrofitting with energy efficient building facades, replacing water holding tanks and septic systems, upgrading computer server rooms and installing internet connectivity throughout, upgrading, repairing and extending fiber optic interconnects to all buildings and entrance gates, installing power and network drops in select locations to support field measurements, increasing site-wide network bandwidth, replacing outdated telecommunications towers, installing electrical grounding systems and lightning arrestors, renovating the vehicle-capable antenna pattern measurement turntable, restoring the two 60' parabolic dish antennas, expanding research facility square footage, regrading of roadways, decommissioning and remediating abandoned experimental apparatus, and repairing/replacing site perimeter fencing. ITS will also perform a study of modern solar power inverter radiofrequency emissions. Should they prove negligible, a solar power farm to satisfy energy efficiency mandates will be constructed.

Explanation and Justification

Line Item		2023 Actual		2024 Annualized CR		2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Facility Management and Construction	Pos./BA	0	$0	0	$0	1	$2,000
	FTE/Obl	0	0	0	0	1	2,000

Exhibit 13

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
PROGRAM CHANGES FOR 2024
(Dollar amounts in thousands)

		2024 Base		2024 Estimate		Increase/Decrease from 2024 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Facilities Management and Construction	Pos./BA	0	$0	1	$2,000	1	$2000
	FTE/Ob.	0	0	1	2,000	1	2,000

Facilities Management and Construction (+$2000 1 FTE/1 Position)

To support the increased demands of modern spectrum-sharing research, NTIA is proposing a new Facility Management and Construction, no-year-appropriation account for the restoration and modernization of its facilities, telecommunication infrastructure, roads, and grounds of NTIA's government-owned facilities to meet modern research, accessibility, safety, reliability, and energy-efficiency requirements. Maintenance and construction projects will include renovating building interiors, repairing and upgrading roofs, replacing HVAC systems, installing energy-efficient-building exteriors, replacing water-holding tanks, and septic systems, expanding research facility square footage, and repairing/replacing perimeter fencing.

Performance Measures:	2025	2026	2027	2028	2029
% of infrastructure investments completed with	3%	3%	3%	3%	3%
% of infrastructure investments completed without	0%	0%	0%	0%	0%

Exhibit 14

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Facilities Management and Construction
Program Change: Facilities Management and Construction

Title		Grade	Number	Annual Salary	Total Salaries
Facilities Manager		ZA 3	1	$112,788	$112,788
Subtotal			1		112,788
Less Lapse	0%		0		0
Total full-time permanent FTE			1		112,788
2024 Pay Adjustment	5.2%				5,865
Total					118,653

Personnel Data

Full-Time Equivalent Employment:
Full-time permanent	1
Other than full-time permanent	0
Total	1

Authorized Positions:
Full-time permanent	1
Other than full-time permanent	0
Total	1

Exhibit 15

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
FACILITIES MANAGEMENT AND CONSTRUCTION
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Facilities Management and Construction

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025
11.1	Full-time permanent compensation	$0	$0	$0	$119	$119
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	3	3
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	0	0	0	122	122
12.1	Civilian personnel benefits	0	0	0	40	40
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	0	0	0	0	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental payments to others	0	0	0	0	0
23.3	Commun., util., and misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	0	0	0	0	0
25.2	Other services from non-Federal sources	0	0	0	0	0
25.3	Other goods and services from Federal sources	0	0	0	0	0
25.4	Operations and maintenance of facilities	0	0	0	811	811
25.5	Research and development contracts	0	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	0	0	0	0
32	Lands and structures	0	0	0	1,027	1,027
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	0	0	0	2,000	2,000
	Less prior year recoveries	0	0	0	0	0
	Less prior year unobligated balance	0	0	0	0	0
	Total Budget Authority	0	0	0	2,000	2,000

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2023 Actual	2024 AnnualizedCR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent compensation	$0	$0	$0	$119	$119
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	3	3
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	0	0	0	122	122
12.1	Civilian personnel benefits	0	0	0	40	40
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	0	0	0	0	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental payments to others	0	0	0	0	0
23.3	Commun., util., and misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	0	0	0	0	0
25.2	Other services from non-Federal sources	0	0	0	0	0
25.3	Other goods and services from Federal sources	0	0	0	0	0
25.4	Operations and maintenance of facilities	0	0	0	811	811
25.5	Research and development contracts	0	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	0	0	0	0
32	Lands and structures	0	0	0	1,027	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	0	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	0	0	0	2,000	2,000
	Less prior year recoveries	0	0	0	0	0
	Less prior year unobligated balance	0	0	0	0	0
	Unobligated balance, expiring	0	0	0	0	0
	Unobligated balance, end of year	0	0	0	0	0
	Total Budget Authority	0	0	0	2,000	2,000

Personnel Data
Full-Time equivalent Employment:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	0	0	0	1	1
Other than full-time permanent	0	0	0	0	
Total	0	0	0	1	1

Authorized Positions:

	2023 Actual	2024 Annualized CR	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	0	0	0	1	1
Other than full-time permanent	0	0	0	0	
Total	0	0	0	1	1

Exhibit 32

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
JUSTIFICATION OF PROPOSED LANGUAGE CHANGES

<u>FY 2025</u>

For necessary expenses for the design, construction, alteration, improvement, maintenance, and repair of buildings and facilities managed by the National Telecommunications and Information Administration, not otherwise provided for, $2,000,000, to remain available until expended.

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Facilities Management and Construction
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Annualized CR	2025 Estimate
Management and professional services	$0	$0	$0
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	0	0	0

Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Public Telecommunications Facilities, Planning, and Construction
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
President's Budget, 2024	0	0	$0	$0
2025 Adjustments to base:	0	0	0	0
2025 Base	0	0	0	0
plus: 2024 Program changes	0	0	0	0
2025 Estimate	0	0	0	0

Comparison by activity/subactivity: **with totals by activity**		2023 Actual		2024 Annualized CR		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Public Telecommunications Facilities, Planning, and Construction, Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Public Telecommunications Facilities, Planning, and Construction, Program Management	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Total	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Adjustments for:											
Recoveries			0		0		0		0		0
Unobligated balance, start of year			(1,199)		(1,199)		(1,199)		(1,199)		0
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			1,199		1,199		1,199		1,199		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		0		0		0
Transfer to other accounts (+)			0		0		0		0		0
Appropriation			0		0		0		0		0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Public Safety Trust Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Public Safety Trust Fund

The Public Safety Trust Fund mandatory accounts expired on September 30, 2022. The Consolidated Appropriations Act, 2023 transitioned statutory, delegated, and other key public safety communications activities from the 47 USC 1457: Public Safety Trust Fund mandatory accounts to annual appropriations within NTIA's Salaries and Expenses.

Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Public Safety Trust Fund - Mandatory
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024	0	0	$0	$0
2025 Adjustments to base:	0	0	0	0
2025 Base	0	0	0	0
plus: 2024 Program changes	0	0	0	0
2025 Estimate	0	0	0	0

		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
Comparison by activity/subactivity: with totals by activity		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Public Safety Trust Fund	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
First Responder Network Authority	Pos./BA	0	0	0	0	0	0	0	0	0	0
Administrative	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	Pos./BA	0	0	0	0	0	0	0	0	0	0
Program Administration & Implementation	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
National Telecommunications & Information Administration	Pos./BA	0	0	0	0	0	0	0	0	0	0
Next Generation 911	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Total	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Adjustments for:											
Recoveries				0		0		0		0		0
Unobligated balance, start of year				0		0		0		0		0
Unobligated balance transferred				0		0		0		0		0
Unobligated balance, end of year				0		0		0		0		0
Unobligated balance expiring				0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)				0		0		0		0		0
Transfer to other accounts (+)				0		0		0		0		0
Appropriation				0		0		0		0		0

Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
First Responder Network Authority
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity:		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
First Responder Network Authority		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
First Responder Network Authority	Pos./BA	209	$0	230	$0	236	$0	236	$0	0	$0
	FTE/Obl.	209	101,234	230	277,215	236	284,157	236	284,157	0	0
Total, Reimbursable Projects	Pos./BA	209	0	230	0	236	0	236	0	0	0
	FTE/Obl.	209	101,234	230	277,215	236	284,157	236	284,157	0	0

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024	20	20	$0	$15,792
2025 Adjustments to base:				
plus: inflationary adjustments to base	0	0	0	0
plus: adjustment for FY 2024 program requirements	6	5	3,311	986,519
2025 Base	26	25	3,311	1,002,311
plus: 2025 Program changes	0	0	0	0
2025 Estimate	26	25	3,311	1,002,311

Comparison by activity/subactivity: with totals by activity		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NTIA-101 Tribal Grants	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	506,333	0	0	0	980,000	0	980,000	0	0
NTIA-101 Tribal Admin	Pos./BA	22	0	20	0	20	0	20	0	0	0
	FTE/Obl.	21	14,677	20	15,792	20	19,000	20	19,000	0	0
NTIA-101 Infrastructure Broadband Connectivity Grants	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
NTIA-101 Infrastructure Broadband Connectivity Admin [1]	Pos/BA.	6	0	0	0	6	3,311	6	3,311	0	0
	FTE/Obl.	5	1,706	0	0	5	3,311	5	3,311	0	0
Total	Pos./BA	28	0	20	0	26	3,311	26	3,311	0	0
	FTE/Obl.	26	522,716	20	15,792	25	1,002,311	25	1,002,311	0	0
Adjustments for:											
Recoveries			(325)		0		0		0		0
Unobligated balance, start of year			(1,638,095)		(1,102,631)		(1,086,839)		(1,086,839)		
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			1,102,631		1,086,839		87,839		84,528		
Rescission or cancelation of unobligated balances			13,073		0		0		0		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		(3,311)		(3,311)		0
Transfer to other accounts (+)			0		0		0		0		0
Appropriation			0		0		0		0		0

[1]For FY 2025 the Budget assumes the requested general provisions language on Exhibit 32 is enacted.

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Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity:		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
Broadband Connectivity Fund		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
Tribal	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	100	0	100	0	100	0	100	0	0
Total, Reimbursable Projects	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	100	0	100	0	100	0	100	0	0

Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity:		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
Broadband Connectivity Fund		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
Infrastructure Broadband	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
Connectivity	FTE/Obl.	0	100	0	100	0	100	0	100	0	0
Total, Reimbursable Projects	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	100	0	100	0	100	0	100	0	0

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Broadband Connectivity Fund

Line Item		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Tribal Grants	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	506,333	0	0	0	980,000	0	980,000	0	0
Tribal Admin	Pos./BA	22	0	20	0	20	0	20	0	0	0
	FTE/Obl.	21	14,677	20	15,792	20	19,000	20	19,000	0	0
Infrastructure Broadband Connectivity Grants	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	0	0	0	0	0	0	0
Infrastructure Broadband Connectivity Admin [1]	Pos/BA.	6	0	0	0	6	3,311	6	3,311	0	0
	FTE/Obl.	5	1,706	0	0	5	3,311	5	3,311	0	0
Total	Pos./BA	28	0	20	0	26	3,311	26	3,311	0	0
	FTE/Obl	26	522,716	20	15,792	25	1,002,311	25	1,002,311	0	0

[1]For FY 2025 the Budget assumes the requested general provisions language on Exhibit 32 is enacted

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund - Mandatory Account
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Broadband Connectivity Fund

Goal Statement

The Broadband Connectivity Grants will expand broadband infrastructure to areas of the United States that lack access, especially rural areas and tribal lands. The grants that expand broadband deployment on tribal lands will support telehealth, distance learning, broadband affordability, and digital inclusion to tribal communities.

Base Program

The National Telecommunications and Information Administration will award up to $3.27 billion in Broadband Connectivity Grants to expand access to and adoption of broadband service to underserved areas of the United States.

The Tribal Broadband Connectivity Program has been awarding up to $2.940 billion in grants to eligible entities, which include a Tribal Government, a Tribal College or University, the Department of Hawaiian Homelands on behalf of the Native Hawaiian Community, including Native Hawaiian Education Programs, a Tribal organization, or a Native Corporation. These funds will be used for the deployment and adoption of broadband service on Tribal land and for programs that promote the use of broadband for telehealth, distance learning, broadband affordability, and digital inclusion to tribal communities. This includes $980 million from the Consolidated Appropriations Act, 2021, and $1.96 billion from the Infrastructure Investment and Jobs Act.

The Broadband Infrastructure Program awarded $283 million in grants to covered partnerships for covered broadband projects. The term "covered partnership" means a partnership between a State or political subdivision of a state and a provider of fixed broadband service. The term "covered broadband project" means a competitively and technologically neutral project for the deployment of fixed broadband service that provides qualifying broadband service in an eligible

Exhibit 12

service area. The term "qualifying broadband service" means broadband service with— (A) a download speed of not less than 25 megabits per second; (B) an upload speed of not less than 3 megabits per second; and (C) a latency sufficient to support real time, interactive applications.

Service area is defined as a census block in which broadband service is not available at 1 or more households orbusinesses in the census block, as determined by NTIA on the basis of— (A) the maps created under section 802(c)(1) of the Communications Act of 1934 (47 U.S.C. 642(c)(1)); or (B) if the maps described in subparagraph are not available, the most recent information available to NTIA, including information provided by the Federal Communications Commission.

<div align="center">Statement of Operating Objectives</div>

The Consolidated Appropriations Act, 2021, established NTIA's Broadband Connectivity Programs and provided $1 billion to implement Tribal Broadband Connectivity grants and $300 million to implement Broadband Infrastructure grants. The Infrastructure Investment and Jobs Act, 2022 directs NTIA to award an additional $2 billion in Tribal Broadband Connectivity grants to tribal governments for broadband deployment on tribal lands, as well as for telehealth, distance learning, broadband affordability, and digital inclusion. NTIA is authorized to use up to 2% of the Tribal Broadband Connectivity funding for administrative costs to award and oversee the grants, while NTIA allocated a portion of the Broadband Infrastructure funding of administrative costs. The Fiscal Responsibility Act of 2023, however, rescinded all remaining funds from the Consolidated Appropriations Act, 2021 planned, for grants oversight and technical assistance.

In FY 2025, NTIA will review applications and make awards from the remaining grant funds from the Infrastructure Investment and Jobs Act and will have fully moved into the grants oversight phase for the Tribal Broadband Connectivity Program. NTIA will provide oversight of and technical assistance to grant recipients to ensure the success of awarded projects.

In FY 2025, recipients of the Broadband Infrastructure Program will continue to carryout project objectives. NTIA is seeking the authority to transfer and use funds that have already been appropriated to other accounts to continue to conduct grants oversight and technical assistance to protect federal grant funds from waste, fraud and abuse, and to ensure the successful completion of the $283 million in grants. For more information, see NTIA-66

Exhibit 12

Explanation and Justification

In FY 2023, NTIA completed the award of an additional $650 million in grants from applications received in the initial Tribal Broadband Connectivity Notice of Funding Opportunity. NTIA released a second Notice of Funding Opportunity to establish a second grant competition for the Tribal Broadband Connectivity Program to complete the award of approximately $900 million in Tribal Broadband Connectivity grants. NTIA also continued with post-award oversight responsibilities for both programs. This includes technical assistance to help recipients navigate through technical challenges, Federal grants administration requirements, and environmental and historic preservation regulations. The Fiscal Responsibility Act of 2023, however rescinded all remaining funds from the Consolidated Appropriations Act, 2021 that had been planned for NTIA grants oversight and technical assistance. of the Broadband Infrastructure Program.

In FY 2024, NTIA will have received applications associated with the second Notice of Funding Opportunity for the Tribal Broadband Connectivity Program. Grant recipients will be carrying out over $2 billion in broadband planning, adoption and deployment projects from the Tribal Broadband Connectivity Program, and $283 million in broadband deployment projects from the Broadband Infrastructure Program. NTIA will use funds from Information Infrastructure and Jobs Act to administer the Tribal Broadband Connectivity Program, and funds from the Broadband salaries and expenses fund to continue oversight activities for the Broadband Infrastructure Program. Oversight is necessary to protect the Federal investment and ensure accountability for grants. As resources allow, NTIA also will provide technical assistance to help recipients navigate through technical challenges and Federal grants administration requirements.

In FY 2025 grant recipients from both programs will continue to carryout projects and expend grant funds. NTIA, however, will not have sufficient funding for salaries and expenses, administration, and grants oversight within the IIJA's statutory two percent limit. NTIA is seeking a statutory change that would provide a funding solution that allows NTIA to continue oversight activities to help protect the Federal investment and ensure accountability for grants in these programs. To the extent that resources allow, NTIA also will provide technical assistance to help recipients navigate through technical challenges and Federal grants administration requirements.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Broadband Connectivity Fund

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$3,246	$2,846	$3,357	$3,357	$0
11.3	Other than full-time permanent	128	128	100	100	0
11.5	Other personnel compensation	55	55	679	679	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	3,429	3,029	4,136	4,136	0
12.1	Civilian personnel benefits	1,158	1,083	1,285	1,285	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	127	28	28	28	0
22	Transportation of things	1	1	1	1	0
23.1	Rental payments to GSA	187	90	108	108	0
23.2	Rental payments to others	24	24	26	26	0
23.3	Commun., util., and misc. charges	20	20	22	22	0
24	Printing and reproduction	2	2	2	2	0
25.1	Advisory and assistance services	7,957	11,500	16,281	16,281	0
25.2	Other services from non-Federal sources	15	15	0	0	0
25.3	Purchase of goods and services from Gov't accounts	3,019	0	442	442	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	170	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	17	0	0	0	0
31	Equipment	257	0	0	0	0
32	Lands and structures	0	0	0	0	0
41	Grants, subsidies and contributions	506,333	0	980,000	980,000	0
94	Expenditure Transfer	0	0	0	0	0
99.9	**Total Obligations**	522,716	15,792	1,002,331	1,002,331	0
	Recoveries	(325)	0	0	0	0
	Unobligated balance, start of year	(1,638,095)	(1,102,631)	(1,086,839)	(1,086,839)	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	1,102,631	1,086,839	87,819	87,819	0
	Rescission or cancelation of unobligated balances	13,073	0	0	0	0
	Unobligated balance expiring	0	0	0	0	
	Total Budget Authority	0	0	3,311	3,311	0
	Personnel Data					
	Full-Time equivalent Employment:					
	Full-time permanent	26	20	25	25	0
	Other than full-time permanent	0	0	0	0	0
	Total	26	20	25	25	0
	Authorized Positions:					
	Full-time permanent	28	20	26	26	0
	Other than full-time permanent	0	0	0	0	0
	Total	28	20	26	26	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Broadband Connectivity Fund
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 A Enacted	2025 Estimate
Management and professional services	$7,957	$11,500	$16,281
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	7,957	11,500	16,281

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities - Mandatory
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024	0	0	$0	$0
2025 Adjustments to base:	0	0	0	0
plus: inflationary adjustments to base	0	0	0	0
plus: adjustment for FY 2024 program requirements	7	5	3,250	3,250
2025 Base	7	5	3,250	3,250
plus: 2025 Program changes	0	0	0	0
2025 Estimate	7	5	3,250	3,250

		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
Comparison by activity/subactivity: **with totals by activity**		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Connecting Minority Communities Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	241,851	0	0	0	0	0	0	0	0
Connecting Minority Communities Program Admin [1]	Pos./BA	7	0	0	0	7	3,250	7	3,250	0	0
	FTE/Obl.	5	2,935	0	0	5	3,250	5	3,250	0	0
Total	Pos./BA	7	0	0	0	7	3,250	7	3,250	0	0
	FTE/Obl.	5	244,786	0	0	5	3,250	5	3,250	0	0
Adjustments for:											
Recoveries			(16)		0		0		0		0
Unobligated balance, start of year			(254,790)		0		0		0		0
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			3		0		0		0		0
Rescission or cancellation of unobligated balances			10,017		0		0		0		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		(3,250)		(3,250)		0
Transfer to other accounts (+)			0		0		0		0		0
Appropriation			0		0		0		0		0

[1]1For FY 2025 the Budget assumes the requested general provisions language on Exhibit 32 is enacted..

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Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities - Mandatory
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity:

Connecting Minority Communities		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
Connecting Minority Communities	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	0	0	100	0	100	0	100	0	0
Total, Reimbursable Projects	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	0	0	100	0	100	0	100	0	0

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities - Mandatory
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Connecting Minority Communities

Line Item		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Connecting Minority Communities Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl	0	241,851	0	0	0	0	0	0	0	0
Connecting Minority Communities Program Admin	Pos./BA	7	0	0	0	7	3,250	7	3,250	0	0
	FTE/Obl	5	2,935	0	0	5	3,250	5	3,250	0	0
Total	Pos./BA	7	0	0	0	7	3,250	7	3,250	0	0
	FTE/Obl	5	244,786	0	0	5	3,250	5	3,250	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities Fund - Mandatory Account
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Connecting Minority Communities Fund

Goal Statement

The Connecting Minority Communities Pilot Grants will expand broadband access and connectivity to Historically Black Colleges and Universities (HBCUs), Tribal Colleges and Universities (TCUs), and minority serving institutions (MSIs), or a consortium that is led by one of these institutions.

Base Program

The National Telecommunications and Information Administration has awarded approximately $263 million in grants under the Connecting Minority Communities Pilot Program. These funds go to Historically Black Colleges and Universities (HBCUs), Tribal Colleges and Universities (TCUs), and minority serving institutions and related eligible entities for the purchase of broadband internet access service, equipment, training, and information technology. The grants help to facilitate education and remote learning, as well as for the operations of these institutions and minority enterprises within their anchor communities.

Statement of Operating Objectives

The Consolidated Appropriations Act, 2021, established NTIA's Connecting Minority Communities Pilot Program and provided $285 million to implement the program. In FY 2025, grant recipients of the program will continue to carry out the objectives of the 93 grants awarded by NTIA in FY 2023. The Fiscal Responsibility Act of 2023 rescinded all remaining funds planned for NTIA grants oversight and technical assistance for the Connecting Minority Communities Fund, and NTIA is seeking the authority to transfer and use funds that were appropriated to other accounts to continue to conduct grants oversight and technical assistance to protect federal grant funds from waste, fraud and abuse, and to ensure the successful completion of the grants.

Exhibit 12

Explanation and Justification

In FY 2023, NTIA awarded approximately $263 million in Connecting Minority Communities Pilot grants. Additional funds authorized by Congress were used to implement and administer the program. The Fiscal Responsibility Act of 2023, however, rescinded all remaining funds from the Consolidated Appropriations Act, 2021 that had been planned for NTIA grants oversight and technical assistance for this program.

In FY 2024, grant recipients will be implementing 93 pilot projects and expending funds. NTIA is seeking funding solutions to continue oversight activities to help protect the Federal investment and ensure accountability for grants. In the interim NTIA will use Broadband salaries and expenses funds for oversight of this program.

In FY 2025, grant recipients will work toward completing the pilot projects and expending funds. NTIA is seeking the authority to transfer and use funds that were appropriated to other accounts to continue oversight activities to help protect the Federal investment and ensure accountability for grants. To the extent administrative funds are available, NTIA also will provide technical assistance to help recipients navigate through technical challenges and Federal grants administration requirements and evaluate and share lessons learned as recipients complete the pilot projects. For more information, see NTIA-66.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities - Mandatory
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Connecting Minority Communities

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$642	$0	$642	$642	$0
11.3	Other than full-time permanent	30	0	30	30	0
11.5	Other personnel compensation	10	0	10	10	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	682	0	682	682	0
12.1	Civilian personnel benefits	236	0	236	236	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	19	0	19	19	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	32	0	32	32	0
23.2	Rental payments to others	4	0	4	4	0
23.3	Commun., util., and misc. charges	3	0	3	3	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	932	0	1,247	1,247	0
25.2	Other services from non-Federal sources	3	0	3	3	0
25.3	Purchase of goods and services from Gov't accounts	948	0	948	948	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	29	0	29	29	0
25.6	Medical care	0	0	0	0	0
25.7	Operation & maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	

Exhibit 16

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	3	0	3	3	0
31	Equipment	44	0	44	44	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	241,851	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
94	Expenditure Transfer	0	0	0	0	0
99.9	**Total Obligations**	244,786	0	3,250	3,250	0
	Recoveries	(16)	0	0	0	0
	Unobligated balance, start of year	(254,790)	0	0	0	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	3	0	0	0	0
	Rescission or cancellation of unobligated balances	10,017	0	0	0	0
	Total Budget Authority	0	0	3,250	3,250	0
	Personnel Data					
	Full-Time equivalent Employment:					
	Full-time permanent	5	0	5	5	0
	Other than full-time permanent	0	0	0	0	0
	Total	5	0	5	5	0
	Authorized Positions:					
	Full-time permanent	7	0	7	7	0
	Other than full-time permanent	0	0	0	0	0
	Total	7	0	7	7	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Connecting Minority Communities - Mandatory
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Enacted	2025 Estimate
Management and professional services	$932	$0	$1,247
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	932	0	1,247

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024	26	26	$549,000	$11,224
2025 Adjustments to base:	0	0	0	0
plus: inflationary adjustments to base	0	0	0	0
plus: adjustment for FY 2024 program requirements	0	0	0	1,848,276
2025 Base	26	26	549,000	1,859,500
plus: 2025 Program changes	0	0	0	0
2025 Estimate	26	26	549,000	1,859,500

		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
Comparison by activity/subactivity:											
with totals by activity		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Digital Equity Grants	Pos./BA	0	$539,000	0	$539,000	0	$539,000	0	$539,000	0	$0
	FTE/Obl.	0	40,030	0	0	0	1,840,000	0	1,840,000	0	0
Digital Equity Admin	Pos./BA	13	10,000	26	10,000	26	10,000	26	10,000	0	0
	FTE/Obl.	13	6,880	26	11,224	26	19,500	26	19,500	0	0
Total	Pos./BA	13	549,000	26	549,000	26	549,000	26	549,000	0	0
	FTE/Obl.	13	46,910	26	11,224	26	1,859,500	26	1,859,500	0	0
Adjustments for:											
Recoveries			(127)		0		0		0		0
Unobligated balance, start of year			(530,202)		(1,032,419)		(1,569,983)		(1,569,983)		0
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			1,032,419		1,569,983		259,695		259,695		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		0		0		0
Transfer to other accounts (+)			1,000		1,000		1,000		1,000		0
Appropriation			550,000		550,000		550,000		550,000		0

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Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Comparison by activity:		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
Digital Equity		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
<u>Reimbursable Projects</u>											
Digital Equity	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	250	0	250	0	250	0	250	0	0
Total, Reimbursable Projects	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	250	0	250	0	250	0	250	0	0

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Digital Equity

Line Item		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos./BA	0	$539,000	0	$539,000	0	$539,000	0	$539,000	0	$0
Digital Equity Grants	FTE/Obl	0	$40,030	0	$0	0	$1,840,000	0	$1,840,000	0	$0
	Pos./BA	13	$10,000	26	$10,000	26	$10,000	26	$10,000	0	$0
Digital Equity Admin	FTE/Obl	13	6,880	26	11,436	26	19,500	26	19,500	0	0
Total	Pos./BA	13	549,000	26	549,000	26	549,000	26	549,000	0	0
	FTE/Obl	13	46,910	26	11,436	26	1,859,000	26	1,859,000	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Digital Equity

<u>Goal Statement</u>

The Digital Equity Grant program will promote the achievement of digital equity, support digital inclusion activities, and build capacity for efforts by States and communities to promote the adoption of broadband. Additionally, these grant programs will support efforts to achieve digital equity, promote digital inclusion activities, and spur greater adoption of broadband among covered populations.

<u>Base Program</u>

The National Telecommunications and Information Administration (NTIA) will award up to $2.695 billion in State Digital Equity Capacity grants and Digital Equity Competitive grants under the Digital Equity program. This program builds upon the broadband assistance programs that NTIA is administering from the Consolidated Appropriations Act, 2021.

<u>Statement of Operating Objectives</u>

The Infrastructure Investment and Jobs Act, 2022, established NTIA's Digital Equity programs and provided $2.75 billion to implement the program including up to two percent for administrative expenses. In FY2025, NTIA will launch two Digital Equity programs, make awards for Digital Equity Projects, and provide oversight and support grantee implementation of awards funded.

<u>Explanation and Justification</u>

Exhibit 12

Efforts to implement the Digital Equity programs in FY 2024 technical assistance to support State and Territory Digital Equity Plan submission and conducted oversight and grants monitoring activities to any active grant awards to promote successful project completion and compliance and avoid waste, fraud, and abuse, reviewing and accepting State and Territory Digital Equity Plans, and closing out the Planning grant awards. NTIA will also develop the State Digital Equity Capacity Grant Program Notice of Funding Opportunity (NOFO),application materials. and pre-award technical assistance materials in preparation for a late FY2024 or early FY2025 launch (representing $840 million in FY2022-2024 funds made available in the authorizing statute).

In FY 2025, NTIA will receive, review, and award of State Digital Equity Capacity Grants. Additional efforts to implement the Digital Equity programs in FY 2025 include the development and launch the Digital Equity Competitive Grant Program NOFO, application materials. And pre-award technical assistance (representing $1 billion in FY2022-2025 funds made available in the authorizing statute). NTIA will review applications and make awards for the Digital Equity Competitive Grant Program and start post award monitoring and technical assistance for both the Digital Equity Capacity grant awards and the Digital Equity Competitive awards.

 Later in FY2025, NTIA will launch the FY2025 State Digital Equity Capacity Grant Program NOFO, application materials, and pre-award technical assistance (representing $300 million in FY2025 funds made available in the authorizing statute) and review applications and make awards. NTIA will launch the FY2025 Digital Equity Competitive Grant Program NOFO and application materials and pre-award technical assistance (representing $250 million in FY2025 funds made available in the authorizing statute) and review applications and make awards.

In addition, in FY 2025 NTIA will continue to provide technical assistance to support pre-awards activities, successful implementation of awarded projects, and provide oversight and monitoring to promote compliance and safeguard against waste, fraud, and abuse, including reviewing grantee submitted performance and progress reports and financial reports for all active Digital Equity awards. NTIA is seeking a statutory change that would provide a funding solution that allows NTIA to continue supporting the Digital Equity programs. For more information, see NTIA-66

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Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Digital Equity

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$1,382	$2,306	$2,306	$2,306	$0
11.3	Other than full-time permanent	26	0	0	0	0
11.5	Other personnel compensation	23	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	1,431	2,306	2,306	2,306	0
12.1	Civilian personnel benefits	516	630	630	630	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	156	0	0	0	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	106	0	0	0	0
23.2	Rental payments to others	13	0	0	0	0
23.3	Commun., util., and misc. charges	11	0	0	0	0
24	Printing and reproduction	1	0	0	0	0
25.1	Advisory and assistance services	1,556	8,288	14,572	14,572	0
25.2	Other services from non-Federal sources	1,902	0	0	0	0
25.3	Purchase of goods and services from Gov't accounts	936	0	0	0	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	97	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation & maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	9	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
31	Equipment	146	0	0	0	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	40,030	0	1,840000	1,840,000	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
94	Expenditure Transfer	0	0	0	0	0
99.9	**Total Obligations**	46,910	11,224	1,859,000	1,859,000	0
	Recoveries	(127)	0	0	0	0
	Unobligated balance, start of year	(530,202)	(1,032,419)	(1,569,983)	(1,569,983)	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	1,032,419	1,569,983	259,695	259,695	0
	Unobligated balance expiring	0	0	0	0	0
	Total Budget Authority	549,000	549,000	549,000	549,000	0

Personnel Data

Full-Time equivalent Employment:

	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	13	26	26	26	0
Other than full-time permanent	0	0	0	0	0
Total	13	26	26	26	0

Authorized Positions:

	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	13	26	26	26	0
Other than full-time permanent	0	0	0	0	0
Total	13	26	26	26	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Digital Equity
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Enacted	2025 Estimate
Management and professional services	$1,556	$8,500	$8,500
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	1,556	8,500	8,500

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024 2025	115	106	$0	$41,462,082
Adjustments to base:				
plus: inflationary adjustments to base	0	0	0	0
plus: adjustment for FY 2024 program requirements	0	9	(12,493)	(41,363,431)
2025 Base	115	115	(12,493)	98,651
plus: 2025 Program changes	0	0	0	0
2025 Estimate	115	115	(12,493)	98,651

Comparison by activity/subactivity: **with totals by activity**		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Broadband Equity, Access, and Deployment Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	244,421	0	41,346,000	0	0	0	0	0	0
Broadband Equity, Access, and Deployment Admin [1]	Pos./BA	115	0	115	0	115	(12,493)	115	(12,493)	0	0
	FTE/Obl.	88	101,858	106	116,082	115	98,651	115	98,651	0	0
Total	Pos./BA	115	0	115	0	115	(12,493)	115	(12,493)	0	0
	FTE/Obl.	88	346,279	106	41,462,082	115	98,651	115	98,651	0	0
Adjustments for:											
Recoveries			(500)		0		0		0		0
Unobligated balance, start of year			(42,371,186)		(42,025,407)		(563,325)		(563,325)		
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			42,025,407		563,325		452,181		452,181		
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		0		0		0
Transfer to other accounts (+)			0		0		12,493		12,493		0
Appropriation			0		0		0		0		0

[1]For FY 2025 the Budget assumes the requested general provisions language on Exhibit 32 is enacted.

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Exhibit 6

Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar amounts in thousands)

Enacted, 2024		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
Broadband Equity, Access, and Deployment		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Reimbursable Projects											
Broadband Equity, Access, and Deployment	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	250	0	250	0	250	0	250	0	0
Total, Reimbursable Projects	Pos./BA	0	0	0	0	0	0	0	0	0	0
	FTE/Obl.	0	250	0	250	0	250	0	250	0	0

Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Broadband Equity, Access, and Deployment

Enacted, 2024

Line Item		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Broadband Equity, Access, and Deployment Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl	0	244,421	0	41,346,000	0	0	0	0	0	0
Broadband Equity, Access, and Deployment Admin	Pos./BA	115	$0	115	$0	115	($12,493)	115	($12,493)	0	$0
	FTE/Obl	88	101,858	106	116,082	115	98,651	115	98,651	0	0
Total	Pos./BA	115	0	115	0	115	(12,493)	115	(12,493)	0	0
	FTE/Obl	88	346,279	106	41,462,082	115	98,651	115	98,651	0	0

Exhibit 12

**Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
JUSTIFICATION OF PROGRAM AND PERFORMANCE**

Activity: Broadband Equity, Access, and Deployment

Goal Statement

The Broadband Equity, Access, and Deployment Grants will expand broadband access and connectivity through grant funds awarded to States and Territories to fund broadband deployment and digital equity projects to bridge the digital divide.

Base Program

The National Telecommunications and Information Administration (NTIA) will award up to $41.6 billion in formula grants under the Broadband Equity, Access, and Deployment program. This program builds upon the broadband assistance programs that NTIA is administering from the Consolidated Appropriations Act, 2021. These funds will be awarded to States and Territories for broadband equity, access, and deployment projects to bridge the digital divide.

Statement of Operating Objectives

The Infrastructure Investment and Jobs Act, 2022, established NTIA's Broadband Equity, Access, and Deployment program and provided $42.5 billion to implement the program including up to two percent of the total for administrative expenses. In FY 2025, NTIA anticipates completing awarding all funds and will continue to provide oversight of and technical assistance to grant recipients of the program to ensure the success of awarded projects.

Explanation and Justification

Efforts to implement the program in FY 2024 focused on receiving, reviewing, and approving State and Territory BEAD Initial Proposals, including providing technical assistance to support the submission of BEAD Initial Proposals and Final Proposals.

Exhibit 12

NTIA continued to provide monitoring and oversight of the Initial Planning funds awarded in FY2022 and 2023 and the early Initial Proposal funds obligated in FY23. In FY 2024, NTIA will have started to receive, review, and approve BEAD Final Proposals submitted by States and Territories, which initiates the formal obligation of the bulk of each of the State and Territory's allocation. In both pre and post award phases the BEAD program implementation, NTIA will have provided technical assistance to support State and Territory success with developing and submitting Initial and Final Proposals, promote post-award compliance, and ensure project implementation success.

In early FY2025, NTIA will receive, review, and approve the remaining State and Territory Final Proposals. In FY2025, NTIA all BEAD grant funds will be obligated and States and Territories will begin implementing the subgrants identified in the Final Proposals. NTIA will need to continue to provide robust technical assistance on broadband engineering/deployment topics, project sustainability, Environmental and Historic Preservation (EHP), permitting, Federal grants management, and support for subrecipient monitoring. NTIA will also continue its monitoring and oversight activities associated with these Federal investments to ensure accountability of these grants and that intended outcomes of the awarded projects are achieved.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Broadband Equity, Access, and Deployment

ed, 2024 **Object Class**		2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$15,030	$18,000	$15,212	$15,212	$0
11.3	Other than full-time permanent	548	147	147	147	0
11.5	Other personnel compensation	268	365	365	365	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	15,846	18,512	15,724	15,724	0
12.1	Civilian personnel benefits	5,686	6,109	4,966	4,966	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	1,015	1,772	1,772	1,772	0
22	Transportation of things	2	0	0	0	0
23.1	Rental payments to GSA	1,129	0	0	0	0
23.2	Rental payments to others	144	634	634	634	0
23.3	Commun., util., and misc. charges	120	0	0	0	0
24	Printing and reproduction	5	0	0	0	0
25.1	Advisory and assistance services	21,340	38,359	29,359	29,359	0
25.2	Other services from non-Federal sources	47,261	24,635	24,635	24,635	0
25.3	Purchase of goods and services from Gov't account	6,430	14,428	9,928	9,928	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	1,029	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation & maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0

Exhibit 16

ed, 2024 **Object Class**	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26 Supplies and materials	106	0	0	0	0
31 Equipment	1,745	11,633	11,633	11,633	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	244,421	41,346,000	0	0	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	0	0	0	0	0
44 Refunds	0	0	0	0	0
94 Expenditure Transfer	0	0	0	0	0
99.9 **Total Obligations**	346,279	41,462,082	98,651	98,651	0
Recoveries	(500)	0	0	0	0
Unobligated balance, start of year	(42,371,186)	(42,025,407)	(563,325)	(563,325)	0
Unobligated balance transferred	0	0	0	0	0
Unobligated balance, end of year	42,025,407	563,325	452,181	452,181	0
Unobligated balance expiring	0	0	0	0	0
Total Budget Authority	0	(0)	(12,493)	(12,493)	0
Personnel Data					
Full-Time equivalent Employment:					
Full-time permanent	88	106	115	115	0
Other than full-time permanent	0	0	0	0	0
Total	88	106	115	115	0
Authorized Positions:					
Full-time permanent	115	115	115	115	0
Other than full-time permanent	0	0	0	0	0
Total	115	115	115	115	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Broadband Equity, Access, and Deployment
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Enacted	2025 Estimate
Management and professional services	$21,340	$38,359	$29,359
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	21,340	38,359	29,359

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Middle Mile
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

			Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024			0	0	$0	$4,005
2025 Adjustments to base:						
plus: inflationary adjustments to base			0	0	0	0
plus: adjustment for FY 2025 program requirements			16	16	5,932	1,927
2025 Base			0	0	5,932	5,932
plus: 2025 Program changes			0	0	0	0
2025 Estimate			0	0	5,932	5,932

		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
Comparison by activity/subactivity:											
with totals by activity		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Middle Mile Grants	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	979,998	0	0	0	0	0	0	0	0
Middle Mile Admin[1]	Pos./BA	16	0	16	0	16	5,932	16	5,932	0	0
	FTE/Obl.	14	7,104	16	4,005	16	5,932	16	5,932	0	0
Total	Pos./BA	16	0	16	0	16	5,932	16	5,932	0	0
	FTE/Obl.	14	987,102	16	4,005	16	5,932	16	5,932	0	0
Adjustments for:											
Recoveries			(44)		0		0		0		0
Unobligated balance, start of year			(991,063)		(4,005)		0		0		
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			4,005		0		0		0		
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		(5,932)		(5,932)		0
Transfer to other accounts (+)			0		0		0		0		0
Appropriation			0		0		0		0		0

[1]For FY 2025 the Budget assumes the requested general provisions language on Exhibit 32 is enacted.

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Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Middle Mile
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Middle Mile

Line Item		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increase/Decrease from 2025 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos./BA	0	$0	0	$0	0	$0	0	$0	0	$0
Middle Mile Grants	FTE/Obl	0	979,998	0	0	0	0	0	0	0	0
	Pos./BA	16	0	16	0	16	5,932	16	5,932	0	0
Middle Mile Admin	FTE/Obl	14	7,104	16	4,005	16	5,932	16	5,932	0	0
Total	Pos./BA	16	0	16	0	16	5,932	16	5,932	0	0
	FTE/Obl	14	987,102	16	4,005	16	5,932	16	5,932	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Middle Mile Deployment
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Middle Mile Deployment

<u>Goal Statement</u>

The Middle Mile Grant program will expand and extend middle mile infrastructure to reduce costs and establish connection resiliency for broadband networks to unserved and underserved areas.

<u>Base Program</u>

The National Telecommunications and Information Administration (NTIA) will award up to $980 million in competitive grants under the Middle Mile program to expand and extend connection resiliency for broadband networks to unserved and underserved areas. This program builds upon the broadband assistance programs that NTIA is administering from the Consolidated Appropriations Act, 2021.

<u>Statement of Operating Objectives</u>

The Infrastructure Investment and Jobs Act, 2022, established NTIA's Middle Mile program and provided $1 billion to implement the program including up to 2% for administrative expenses. In FY 2025, grant recipients of this program will continue to implement their awarded projects.

Exhibit 12

Explanation and Justification

NTIA completed the award of $980 million in grants in FY 2023. Efforts to administer the Middle Mile grants in FY 2024 include providing post award technical assistance, grant monitoring and oversight to ensure program success and to guard against waste, fraud, and abuse. Other areas of awardee support included technical assistance for adherence to Federal Environmental Historical Preservation (EHP) and permitting requirements, including NTIA review and approval of required EHP documentation to allow project implementation and construction activities. NTIA is seeking a statutory change that would provide a funding solution that allows NTIA to continue supporting this program. For more information, see NTIA-66

In FY 2025, the grantees will continue to carry out the implementation of the Middle Mile grants. NTIA is seeking the authority to transfer and use funds that were appropriated to other accounts. NTIA will continue to monitor awardees' project implementation and broadband deployment activities and provide technical assistance, review and analyze semi-annual performance and progress and financial reports, complete review and approval of awardee EHP submitted materials, and other key critical monitoring and grant oversight activities to promote awardee project implementation success and guard against waste, fraud, and abuse.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Middle Mile
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Middle Mile

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$2,276	$2,500	$2,500	$2,500	$0
11.3	Other than full-time permanent	48	48	48	48	0
11.5	Other personnel compensation	33	33	33	33	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	2,357	2,581	2,581	2,581	0
12.1	Civilian personnel benefits	815	850	850	850	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	42	0	0	0	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	100	0	0	0	0
23.2	Rental payments to others	13	0	0	0	0
23.3	Commun., util., and misc. charges	11	0	0	0	0
24	Printing and reproduction	1	0	0	0	0
25.1	Advisory and assistance services	900	0	1,927	1,927	0
25.2	Other services from non-Federal sources	1,374	0	0	0	0
25.3	Purchase of goods and services from Gov't account	1,251	574	574	574	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	92	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation & maintenance of equipment	0	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	9	0	0	0	0
31	Equipment	139	0	0	0	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	979,998	0	0	0	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	**Total Obligations**	987,102	4,005	5,932	5,932	0
	Recoveries	(44)	0	0	0	0
	Unobligated balance, start of year	(991,063)	(4,005)	0	0	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	4,005	0	0	0	0
	Unobligated balance expiring	0	0	0	0	0
	Total Budget Authority	0	0	5,932	5,932	0
	Personnel Data					
	Full-Time equivalent Employment:					
	Full-time permanent	14	16	16	16	0
	Other than full-time permanent	0	0	0	0	0
	Total	14	16	16	16	0
	Authorized Positions:					
	Full-time permanent	16	16	16	16	0
	Other than full-time permanent	0	0	0	0	0
	Total	16	16	16	16	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Middle Mile
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Enacted	2025 Estimate
Management and professional services	$900	$0	$1,995
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	900	0	1,995

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Exhibit 5

Department of Commerce
National Telecommunications and Information Administration
Public Wireless Supply Chain Innovation Fund - Mandatory
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2024	22	22	$0	$500,585
2025 Adjustments to base:				
plus: inflationary adjustments to base	0	0	0	0
plus: adjustment for FY 2025 program requirements	0	0	0	(247,000)
2025 Base	22	22	0	253,585
plus: 2025 Program changes	0	0	0	0
2025 Estimate	22	22	0	253,585

		2023 Actual		2024 Enacted		2025 Base		2025 Estimate		Increases/Decreases from 2025 Base	
Comparison by activity/subactivity: **with totals by activity**		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Innovation Fund - Grants	Pos./BA	0	$1,262,500	0	$0	0	$0	0	$0	0	$0
	FTE/Obl.	0	5,482	0	488,000	0	241,000	0	241,000	0	0
Innovation Fund - Admin	Pos./BA	10	67,500	22	0	22	0	22	0	0	0
	FTE/Obl.	6	7,403	22	12,585	22	12,585	22	12,585	0	0
Total	Pos./BA	10	1,330,000	22	0	22	0	22	0	0	0
	FTE/Obl.	6	12,885	22	500,585	22	253,585	22	253,585	0	0
Adjustments for:											
Recoveries			0		0		0		0		0
Unobligated balance, start of year			(150,000)		(1,465,115)		(964,530)		(964,530)		0
Unobligated balance transferred			0		0		0		0		0
Unobligated balance, end of year			1,465,115		964,530		710,945		710,945		0
Unobligated balance expiring			0		0		0		0		0
Financing from transfers:											
Transfer from other accounts (-)			0		0		0		0		0
Transfer to other accounts (+)			22,000		0		0		0		0
Appropriation			1,350,000		0		0		0		0

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Exhibit 10

Department of Commerce
National Telecommunications and Information Administration
Public Wireless Supply Chain Innovation Fund - Mandatory
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Activity: Public Wireless Supply Chain Innovation Fund

Line Item		2023 Actual Personnel	2023 Actual Amount	2024 Enacted Personnel	2024 Enacted Amount	2025 Base Personnel	2025 Base Amount	2025 Estimate Personnel	2025 Estimate Amount	Increases/Decreases from 2025 Base Personnel	Increases/Decreases from 2025 Base Amount
Innovation Fund - Grants	Pos./BA	0	$1,262,500	0	$0	0	$0	0	$0	0	$0
	FTE/Obl	0	5,482	0	488,000	0	241,000	0	241,000	0	0
Innovation Fund - Admin	Pos./BA	10	67,500	22	0	22	0	22	0	0	0
	FTE/Obl	6	7,403	22	12,585	22	12,585	22	12,585	0	0
Total	Pos./BA	10	1,330,000	22	0	22	0	22	0	0	0
	FTE/Obl	6	12,885	22	500,585	22	253,585	22	253,585	0	0

Exhibit 12

Department of Commerce
National Telecommunications and Information Administration
Public Wireless Supply Chain Innovation Fund - Mandatory Account
JUSTIFICATION OF PROGRAM AND PERFORMANCE

Activity: Public Wireless Supply Chain Innovation Fund

Goal Statement

The Public Wireless Supply Chain Innovation Fund is a ten-year program that will advance the development and deployment of open and interoperable, standards-based telecommunications networks through grants awarded on a competitive basis.

Base Program

The National Telecommunications and Information Administration will award up to $1.405 billion in grants under the program. Grant awardees may include private sector for-profit companies, trade groups, civil society, non-profit corporations, and academia to facilitate the development and deployment of open and interoperable, standards-based telecommunications networks. Grants will be focused on the following areas:

- Promoting and deploying technology, including software, hardware, and micro-processing technology, that will enhance competitiveness in the fifth generation (commonly known as "5G") and successor wireless technology supply chains that use open and interoperable interface radio access networks.

- Accelerating commercial deployments of open interface standards-based compatible, interoperable equipment, such as equipment developed pursuant to the standards set forth by organizations such as the O-RAN Alliance, the Telecom Infra Project, 3GPP, the Open-RAN Software Community, or any successor organizations.

- Promoting and deploying compatibility of new 5G equipment with future open standards-based, interoperable equipment.

Exhibit 12

- Managing integration of multi-vendor network environments.

- Identifying objective criteria to define equipment as compliant with open standards for multivendor network equipment interoperability.

- Promoting and deploying security features enhancing the integrity and availability of equipment in multi-vendor networks.

- Promoting and deploying network function virtualization to facilitate multi-vendor interoperability and a more diverse vendor market.

Statement of Operating Objectives

The *William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021* authorized NTIA's Public Wireless Supply Chain Innovation Fund. The *CHIPS and Science of 2022* appropriated $1.5 billion to the program. In FY 2025, NTIA will review the applications, continue to award grants, and post-award oversight responsibilities.

Explanation and Justification

Efforts to implement the program in FY 2025 include the release of Notice of Funding Opportunities (NOFOs) and application guidance, stakeholder engagement and pre-award technical assistance for prospective applicants. Efforts will also include the monitoring of previously awarded grants through post-award oversight responsibilities and managing the PWSCIF Federal Advisory Committee. In FY 2025, NTIA will review the applications, award grants, develop and release NOFOs, and monitor post-award oversight responsibilities. NTIA also will provide technical assistance to help recipients navigate through technical challenges and Federal grants administration requirements. Per the *CHIPS and Science of 2022*, no more than 5 percent of the annual amount allocated may be used to administer the fund and no less than $2 million shall be transferred to the Office of Inspector General of the Department of Commerce for every year of the appropriation. NTIA will use administrative funds to secure any additional necessary staff and contractor resources to carry out these responsibilities.

Exhibit 16

Department of Commerce
National Telecommunications and Information Administration
Public Wireless Supply Chain Innovation Fund - Mandatory
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Public Wireless Supply Chain Innovation Fund

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
11.1	Full-time permanent (Compensation)	$969	$969	$969	$969	$0
11.3	Other than full-time permanent	10	10	10	10	0
11.5	Other personnel compensation	8	8	8	8	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	**Total personnel compensation**	987	987	987	987	0
12.1	Civilian personnel benefits	355	355	355	355	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	30	20	20	20	0
22	Transportation of things	0	2	2	2	0
23.1	Rental payments to GSA	68	0	0	0	0
23.2	Rental payments to others	9	0	0	0	0
23.3	Commun., util., and misc. charges	7	5	5	5	0
24	Printing and reproduction	0	1	1	1	0
25.1	Advisory and assistance services	5,158	5,514	5,514	5,514	0
25.2	Other services from non-Federal sources	4	4,500	4,500	4,500	0
25.3	Purchase of goods and services from Gov't account	520	1,199	1,199	1,199	0
25.4	Operation of GOCOs	0	0	0	0	0
25.5	Research and development contracts	0	0	0	0	0
25.6	Medical care	0	0	0	0	0
25.7	Operation & maintenance of equipment	165	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0

Exhibit 16

	Object Class	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
26	Supplies and materials	6	2	2	2	0
31	Equipment	94	0	0	0	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	5,482	488,000	241,000	241,000	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
94	Expenditure Transfer	0	0	0	0	0
99.9	**Total Obligations**	12,885	500,585	253,585	253,585	0
	Recoveries	0	0	0	0	0
	Unobligated balance, start of year	(150,000)	(1,465,115)	(964,530)	(964,530)	0
	Unobligated balance transferred	0	0	0	0	0
	Unobligated balance, end of year	1,465,115	964,530	710,945	710,945	0
	Unobligated balance expiring	0	0	0	0	0
	Transfer to other accounts (+)	22,000	0	0	0	0
	Total Budget Authority	1,350,000	0	0	0	0

Personnel Data

Full-Time equivalent Employment:

	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	7	22	22	22	0
Other than full-time permanent	0	0	0	0	0
Total	7	22	22	22	0

Authorized Positions:

	2023 Actual	2024 Enacted	2025 Base	2025 Estimate	Increase/Decrease from 2025 Base
Full-time permanent	10	22	22	22	0
Other than full-time permanent	0	0	0	0	0
Total	10	22	22	22	0

Exhibit 34

Department of Commerce
National Telecommunications and Information Administration
Public Wireless Supply Chain Innovation Fund - Mandatory
ADVISORY AND ASSISTANCE SERVICES

	2023 Actual	2024 Enacted	2025 Estimate
Management and professional services	$5,158	$5,514	$5,514
Special studies and analyses	0	0	0
Management and support services for research and development	0	0	0
Total	5,158	5,514	5,514

Exhibit 42

Department of Commerce
National Telecommunications and Information
Administration Salaries and Expenses
Description of Tribal Consultation
(Dollar amounts in thousands)

NTIA's Salaries and Expenses programs have no tribal implications. No consultation with tribes for our S&E budget is required.

U.S. DEPARTMENT OF COMMERCE

FY2023 Annual Performance Plan

FY2025 Annual Performance Report

FY2025 PERFORMANCE GOAL UPDATE

NATIONAL TELECOMMUNICATIONS AND INFORMATION ADMINISTRATION

Overview of Bureau Accomplishments

Domestic and International Policies

- Led Commerce's international engagement on artificial intelligence, including in the G7.
- Signed 5G Memorandum of Understanding (MOUs) with Australia, Japan, and Saudi Arabia.
- Contributed to successful election of U.S. candidate – and first woman – to the position of Secretary-General of the International Telecommunication Union.
- Established the first Domain Name System Interagency Working Group, through which NTIA leads the development of U.S. Internet governance and policy.

Spectrum

- The National Spectrum Strategy was released by the White House in FY 2023 which makes huge strides in spurring U.S. wireless innovation and leadership.
- The U.S. delegation, including leadership provided by NTIA, State Dept and FCC, to the World Radiocommunication Conference 2023 (WRC-23) in Dubai, United Arab Emirates, successfully advanced policy priorities across the full range of U.S. interests that depend on the finite, critical resource of radiofrequency spectrum. Concluding December 15, 2023, the four-week conference achieved outcomes that will expand digital connectivity and drive innovation, unlock the space economy and promote the next generation of space science, protect U.S. national defense capabilities and preserve maritime and aviation safety. This conference is held once every four years.

Advanced Communications Research

- In collaboration with DoD's Under Secretary for Defense, Research and Engineering (OUSD(R&E)), NTIA's research laboratory in Boulder, CO successfully completed the second of two prize challenges aimed at accelerating the adoption of 5G open interfaces, interoperable subsystems, secure networks, and multi-vendor solutions by fostering a large, vibrant, and growing vendor community dedicated to advancing 5G interoperability towards true plug-and-play operation. Challenge participants demonstrated clear progress in Open RAN through three key achievements: (1) successful and rapid integration of components from different vendors who had never integrated before (I.e., cold pairings); (2) high performance of the integrated Open RAN systems; and (3) successful transmission of a signal across two multi-vendor Open RAN 5G networks. All $10M in prizes were awarded.
- NTIA's research laboratory in Boulder, CO, successfully transitioned the Citizens Broadband Radio Service (CBRS) Spectrum Access System (SAS) SAS Certification Test System from ITS to the Federal Communications Commission, providing hands-on training to FCC staff as well

as full video and print documentation. This opens the way for standardized commercial laboratories to take over the certification task and complete the transfer of this federally developed technology into the open market.

- NTIA's research lab in Boulder released a first-of-its-kind report analyzing aggregated data on Citizens Broadband Radio Service (CBRS) devices – such as cell towers – showing that deployment of CBRS devices nationwide grew by 121% between April 1, 2021 and January 1, 2023.   The findings suggest that CBRS is playing an important role in connecting rural America as well as providing a real-world example of how sharing spectrum can work for both the federal government and the private sector.   ITS worked with industry to obtain access to its proprietary data and to perform an independent, objective analysis of deployments in the highly desirable mid-band (3.5 GHz) frequency range.   The analysis indicates that access to the spectrum is growing, facilitated by the ground-breaking CBRS automated sense-and-avoid dynamic access framework authorized by the Federal Communications Commission in 2015.

Broadband Programs

Office of Internet Connectivity and Growth (OICG) administered programs which invested in broadband infrastructure, adoption, and use projects, focusing on communities of greatest need, by executing six different grant programs, awarding $2.012 billion in funding in FY2023:

- Tribal Broadband Connectivity Program (TBCP): TBCP obligated an additional $506,331,189 in FY2023, bringing the program total to 226 awarded projects that, when completed, will provide Tribal households with reliable and affordable access to broadband service. TBCP launched a second Notice of Funding Opportunity (NOFO) on July 27, 2023 to award the remaining funds.
- Broadband Infrastructure Program (BIP): Awards for this program are working to expand Internet access to areas without service, especially to rural areas. All funds have been awarded for this program and it is now in the post-award phase. During FY2023, 8 of the 14 projects started construction and/or deployment activities.
- Connecting Minorities Communities (CMC) Pilot Program: CMC awarded $241,851,061 in FY2023 to 83 grantees representing Historically Black Colleges and Universities (HBCUs), Tribal Colleges and Universities (TCUs), and Minority-Serving Institutions for the purchase of broadband internet access service and eligible equipment to support digital equity and adoption. All funds have been awarded to the 93 grantees and it is now in the post-award phase.
- Broadband Equity, Access, and Deployment (BEAD) Program: The BEAD program awarded an additional $244,424,370 in initial planning funds for 53 states and territories to expand infrastructure deployment and adoption programs in FY2023. To date, all 56 States and Territories have initial planning funds to develop broadband plans and BEAD Initial Proposals. The program's $42.45 billion allocation to the 56 states and territories was announced on June 26, 2023.
- Digital Equity Planning Grant (DE): In FY2023, the DE planning grant program awarded $40,029,670 to 40 states and territories to develop digital equity plans. All funds have been awarded to the 56 grantees for this program and it is now in the post-award phase.
- Enabling Middle Mile (MM) Grant Program: The MM grant program awarded $979,998,025 to 39 grantees to support the construction, improvement, or acquisition of middle mile infrastructure.

In FY2023, OICG also engaged in extensive technical assistance by coordinating outreach and provisioning technical assistance to key stakeholders, including, but not limited to state, local, and Tribal governments. NTIA held:

- 35 State Broadband Leaders Network (SBLN) meetings, including 3 conferences held in-person.
- 15 Digital Equity Leadership Network (DELN) meetings (with 1 held in-person)
- 15 Tribal Equity Leadership Network (TELN) meetings (with 1 held in-person)
- 36 Webinars
- 11 In-person local coordination events

OICG also produced a multitude of Technical Assistance materials to support grant applicants and awardees and other key stakeholders understand NTIA's grant programs and to support their own community broadband and digital equity development efforts.

OICG's Interagency Coordination function is to serve as a liaison to coordinate with federal agencies and promote a whole-of-government approach to achieving the vision of connecting everyone to affordable, reliable, high-speed Internet. Key Federal Interagency Broadband Coordination efforts in FY2023 included:

- Promoted collaboration with interagency colleagues to align on common policies and practices, reduce duplication, and fulfill statutory coordination activities: 1) NTIA facilitated regular meetings with USDA, Treasury and the FCC under the auspices of the Broadband Interagency Coordination Agreement (BICA) and an additional interagency MOU signed with Treasury in 2022.   In FY2023, to date 25 "standing" interagency meetings were held; 2) NTIA led the development of deduplication "principles," recommended policies, and a standard high-level process across Federally funded broadband projects; NTIA co-hosted 25 American Broadband Initiative (ABI) Federal Funding Workstream meetings which brought together Federal agencies with broadband initiatives to share and learn about the work being done on broadband across the federal government.

- Expanded public awareness of federal funding sources, U.S. government investments in broadband, and the economic impact of those investments: 1) NTIA conducted the annual update of BroadbandUSA's Federal Funding Website, a "one-stop" site for broadband funding resources, which incorporated data from 81 programs across 13 federal agencies; 2) NTIA published the second annual Federal Broadband Funding Report and Dashboard, developed in coordination with 12 federal agencies comprising 96 total programs. The report highlights investments in federal broadband support programs and Universal Service Fund (USF) programs.   The report was developed in coordination with 12 federal agencies comprising 96 total programs and summarizes the federal broadband investment landscape. It also provides a framework for the analysis of economic impact; 3) NTIA partnered with the Census Bureau to develop the ACCESS BROADBAND Dashboard, which includes a series of maps showing different broadband access and adoption measures as well as local and regional economic outcomes that research suggests could be influenced by expanding access to broadband.

Summary of Key Metrics (to date):

- 25 Federal Funding Working Stream (FFWS) meetings
- 25 BICA/interagency MOU meetings
- 13 agencies submitting data to NTIA's Federal Broadband Funding website
- 12 agencies providing input into the 2022 Federal Broadband Funding Report and Dashboard

Public Safety

- The initial buildout of the FirstNet network is completed in 2023 with deployments on schedule.   The buildout exceeds 99 percent of nationwide coverage targets per the contract, across more than 2.91 million square miles throughout the United States and its territories.
- The FirstNet Authority made significant progress in FY2023 regarding the contracted for nationwide public safety broadband coverage and capacity, with all milestones met on or ahead of schedule. Today, the FirstNet Network serves over 25,000 public safety agencies and organizations, accounting for 4.7 million connections, across all 56 states and territories.
- The Nationwide Public Safety Broadband Network (NPSBN) Core and Mission Critical functions were delivered successfully allowing Public Safety to take full advantage of the services initially acquired through the first 5 years of the NPSBN contract, leading to increased adoption and use of the FirstNet Network, resulting in newly added 2,800+ public safety agencies subscribing to the network and 650,000 device connections.
- Over 720+ devices are available for first responders to use on the FirstNet Network to support their unique operational needs.
- The FirstNet network continued to provide the nation's first responders and other public safety personnel with prioritized mission-critical connectivity on a nationwide basis across urban, suburban, rural, and tribal lands.
- Task Order 10 (TO10) was rewarded in FY2023 Q4, which enables evolution of FirstNet Test Lab and provide enhanced services to independently test the network.
- The FirstNet Authority hosted over 1,500 engagements across all states and territories, levels of government and disciplines gathering feedback on FirstNet's impact on public safety operations. Engagement included increased presence assisting public safety optimize their operations through FirstNet integration as well as post incident and event reviews and pre-planning activities.

Public Wireless Supply Chain Innovation Fund

- As authorized in the FY2021 National Defense Authorization Act, NTIA launched the Public Wireless Supply Chain Innovation Fund to catalyze the development and adoption of open, interoperable, and standards-based networks. The agency published a request for comment (RFC), as well as a public listening session notice, to solicit stakeholder feedback on the development and implementation of the $1.5 billion competitive grant program.   NTIA posted the first Notice of Funding Opportunity (NOFO) focused on activities that will promote and improve the open and interoperable radio access network (RAN) testing and evaluation ecosystem, as well as research and development into test methods. NOFO #1 was the first in a series that NTIA will issue and administer under the Innovation Fund.

Planned Actions through FY2025

Domestic and International Policies program

- NTIA will lead domestic and international policies on issues, such as consumer data privacy, supply chain risk management, cybersecurity, online platforms, 5G and next generation communications, competition, intellectual property, network usage fees, and artificial intelligence
- NTIA will focus on countering challenges to the multistakeholder model for Internet governance, defeating renewed attempts to override the current standard Internet protocols (TCP/IP) through "newIP" standards proposals, and strengthening U.S. industry participation in the ITU to assist with these efforts.

Spectrum Management

- NTIA will prioritize the following three activities: 1) a new level of Federal coordination anchored by a National Spectrum Strategy; 2) improved science-based processes for understanding interference and resolving disputes; and 3) new technical tools for sharing and use to identify new and more efficient ways to use scare spectrum resources.

Advanced Communications Research

- NTIA's Boulder laboratories will focus on three priority areas in: (1) research efficient spectrum access and spectrum sharing; (2) facilitate the deployment of new and innovative telecommunications technologies; and (3) modernize and maintain research facilities and equipment.

Broadband Programs

Grant Program Administration—In FY2024 and FY2025, OICG will continue to execute its grant administration activities for TBCP, CMC, BIP, BEAD, DE, and MM to ensure that the funds awarded are used to expand broadband infrastructure and access to all Americans.

- TBCP: In FY2024, NTIA will receive, review, and award applications associated with the second Notice of Funding Opportunity. NTIA will continue oversight activities to help protect the federal investment and ensure accountability.   NTIA also will continue to provide technical assistance to help recipients navigate through technical challenges, federal grants administration requirements, and environmental and historic preservation regulations.

- CMC: NTIA will continue oversight activities to help protect the federal investment and ensure accountability. In FY2025, NTIA will begin award close-out activities.

- BIP: NTIA will continue oversight activities to help protect the federal investment and ensure accountability.   NTIA also will continue to provide technical assistance to help recipients navigate through technical challenges, federal grants administration requirements, and environmental and historic preservation regulations.

- BEAD: In FY2024, NTIA will review Initial and Final Proposals submitted by States and Territories, representing State and Territory use of the bulk of the BEAD funds for broadband deployment and digital equity projects. All the BEAD allocation funds will be obligated, and States and Territories will be implementing their Final Proposals through their subgrants. In FY2024-25, NTIA will continue to provide robust technical assistance on broadband engineering/deployment topics, project sustainability, environmental and historic preservation, permitting, Federal grants management, and support for subrecipient monitoring. NTIA will also continue its oversight of these federal investments to ensure accountability of these grants and that intended outcomes of the awarded projects are achieved.

- DE: In FY2024, NTIA will launch the State Digital Equity Capacity program, provide pre-award technical assistance, and review applications associated with this NOFO and award funds (up to $840 million) to States, Territories, and tribal governments. NTIA will also implement robust post award monitoring and technical assistance to provide oversight and support of these federal investments to ensure accountability of these grants and that intended outcomes of the awarded projects are achieved for the projects. NTIA will also work to develop a Digital Equity Competitive Grant program Notice of Funding Opportunity, including developing an application and developing pre-award technical assistance materials to support applicants for this competitive grant program for launch in late FY2024. NTIA will receive applications associated with the Digital Equity Competitive Notice of Funding Opportunity in FY2025.

- MM: In FY2024-25, recipients of grants from the program will continue to carry out the implementation of their projects. NTIA will continue oversight and technical assistance to help recipients navigate through technical challenges, federal grants administration requirements, and environmental and historic preservation regulations.

Broadband Technical Assistance—OICG will continue to provide stakeholder technical assistance on broadband planning, deployment, and digital equity efforts, through its administration and facilitation of key stakeholder cohorts, including the State Broadband Leaders Network, Digital Equity Leaders Network, and Tribal Broadband Leaders Network to promote stakeholder collaboration and knowledge sharing. NTIA will convene stakeholders virtually and through in-person meetings and develop technical assistance materials based on stakeholder needs.

Federal Inter-Agency Broadband Coordination - Through FY2024 and 25, OICG's Interagency Coordination function will include continuing to collaborate with interagency colleagues to promote the whole-of-government mission through the following major priorities:

- Continue encouraging alignment of common policies and practices: NTIA will formalize a standard deduplication process by establishing and implementing an interagency MOU for all Federally funded broadband projects and encouraging federal agencies to contribute broadband project data to the FCC's Broadband Funding Map to promote transparency and reduce duplication.
- Continue expanding public awareness of federal funding sources, US government investments in broadband, and economic impact of those investments: NTIA will develop the annual Federal Broadband Funding Report and Dashboard, which requires coordination with agencies to gather and vet their data to report to Congress. In FY2024 and 25, NTIA will continue to update BroadbandUSA's Federal Funding Website which is a "one-stop" site for broadband funding resources.
- Continue supporting the success of NTIA grant programs by serving as a liaison with other federal agencies.

Broadband Mapping and Data Capabilities: NTIA will continue to build upon and leverage its broadband mapping and data capabilities, updating and maintaining the more than 380 data layers/inputs to support its base programs and its grant programs. NTIA will continue to integrate new public and private datasets, improve technical capabilities, and improve the visualization, analytical, and other features into its mapping capabilities and platform. NTIA will evolve its broadband mapping platform to identify areas that need broadband infrastructure investments at a more granular level, leveraging the location-based broadband availability information from the FCC maps required in the Broadband DATA Act. These tools support NTIA's sharing of its planned and awarded investments with Federal partners and support its review of other proposed or awarded Federal investments to prevent the duplication of Federal funding and support the development and sharing of tools with the public on broadband availability.

Additionally, NTIA developed the Eligible Entity Planning Toolkit designed to integrate external data into a suite of web-based analytical tools to streamline Eligible Entities' implementation of the BEAD program. The toolkit allows Eligible Entities to access custom tools that support distinct phases of the BEAD process and enable data-driven decision making; access the data needed, download curated datasets for the identification of unserved and underserved locations and deduplication of Federal, state, and local enforceable commitments; and explore the cost of building out broadband and business case costs to help define an Extremely High Cost Per Location threshold and support subgrantee selection

Public Safety

- Maintain and improve the nationwide public safety broadband network
- The FirstNet Authority will continue vigorous contract oversight to ensure that AT&T continues to deliver on the National Public Safety Broadband Network (NPSBN). The FirstNet program is preparing for the technological evolution of the network (5G), and will continue to make improvements in areas such as coverage and resiliency. Our planning will be guided through a robust investment process that incorporates public safety's operational needs, while aligning with the Act, FirstNet Authority Roadmap, strategic plan, and Board oversight. The FirstNet Authority will continue engaging with and educating the public safety community to solicit comprehensive collection of customer feedback along with robust analysis to enable investment decisions. NSBPN's current and future improvements will continue to evolve in keeping parity with Public Safety operational requirements and the telecommunication market. Additional activities were initiated in FY2023 to develop 2 new requirements to further the deployment of the FirstNet Network and evolve from LTE technologies to 5G and beyond. Both requirements are currently in the negotiation phase of the acquisition lifecycle and are expected to be awarded/modified by 2nd quarter of FY2024.

Public Wireless Supply Chain Innovation Fund

- NTIA will continue advancing the Public Wireless Supply Chain Innovation Fund through FY 2024 by transitioning to post-award monitoring and oversight for NOFO 1 awards and begin pre-award activities for NOFO #2.

Analysis of Performance Indicators Explanation of Trends

Highlighting two longstanding performance measures:

- NTIA's domestic and international policy group plays a critical role in representing the United States in multiple treaty-based meetings to provide leadership and advance U.S. national economic and technology policies. The metric *"% of NTIA positions substantially adopted or successful at international meetings"* tracks those treaty-level positions that NTIA brings to the meeting and shows our success rate at getting them fully or substantially adopted. This trend has been exceeding targets for many years.

- NTIA's Institute for Telecommunication Sciences (ITS) is a world leader in research and engineering, specializing in radio science, radio frequency propagation, spectrum measurement, telecommunications, next generation communication, and improved quality of service. Federal agencies, state and local government, and industry use ITS services through reimbursable agreements to conduct research. Other parties and researchers use ITS' published technical articles to learn about the newest communications technology. Two metrics serve as a proxy for the value of the Advanced Communications Research's work, *"Number of times research publications are downloaded annually"* and *"Successfully completed deliverables under reimbursable agreements (on time, on budget, and accepted)."*

Explanation of Targets for FY 2024 and FY 2025

In FY 2024 and FY 2025, for NTIA's public safety program, annual operating funding levels for the FirstNet Authority continue to remain steady from year-to-year and its annual operating budget is made available through non-appropriated means.

Progression of the Performance Indicators

As our mission programs advance, NTIA has transitioned its performance measures to better align with these new requirements and to increase the utility of the measures for periodic review with senior leadership. In FY 2024, NTIA will discontinue the performance measure associated with the number of Broadband Equity Access and Deployment (BEAD) Program state and territory 5-Year Action Broadband Plans, as all 5-Year Action Plans have been received. NTIA will continue developing new performance measures that better measure the evolving mission of NTIA's programs, including new congressional and presidential mandates, and leverage its post award reporting for its grant programs to measure and track performance measures.

Performance Data Validation and Verification

NTIA and FirstNet track closely the performance of the program outcomes. NTIA holds regular briefings with senior leadership to ensure that deadlines are being attained and the public is being served by its work. FirstNet has quarterly briefings with the Deputy Secretary of Commerce to support the review and monitoring of the program goals and to ensure that the multi-billion initiative is achieving is on track to meet its vital public safety mission.

NTIA Performance Indicators

Class	Strategic Objective	Performance Indicator	FY 2019 Actual	FY 2020 Actual	FY 2021 Actual	FY 2022 Actual	FY 2023 Actual	FY 2023 Target	FY 2023 Status	FY 2024 Target	FY 2025 Target
Current/ Recurring	2.4	Percentage of planned coverage achieved	20%	60%	80%	95%	100%	100%	Met	100%	100%
Current/ Recurring	1.2	Percentage of NTIA positions substantially adopted or successful at international meetings	89%	85%	83%	87%	75%	75%	Met	75%	75%
Bench.	2.4	Estimated number of jobs created or retained through Department of Commerce investments in broadband infrastructure and digital inclusion programs	—	—	—	—	146	—	N/A	N/A	N/A
Closing Out	2.4	Number of pilot states providing data to NTIA to populate Congressionally mandated broadband map	8	14	37	42	-	-	N/A	Discontinued	Discontinued
Current/ Recurring	1.2	In coordination with DOC operating units, conduct outreach activities with government, industry, and Mult stakeholders groups to identify and address privacy and global free flow of information issues	11	11	11	13	10	6	Exceeded	6	6

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Class	Strategic Objective	Performance Indicator	FY 2019 Actual	FY 2020 Actual	FY 2021 Actual	FY 2022 Actual	FY 2023 Actual	FY 2023 Target	FY 2023 Status	FY 2024 Target	FY 2025 Target
Current/ Recurring	2.4	Percentage of public safety adoption targets achieved	—	69%	87%	100%	100%	100%	Met	100%	100%
Benchmarking	2.4	Total number of locations (i.e., households or institutions) physically connected to broadband infrastructure through grant programs administered by the Department of Commerce	—	—	—	212,269	94,218	—	N/A	N/A	N/A
Current/ Recurring	2.4	Number of State and Territory Technical Assistance Engagements	—	—	—	94	114	75	Exceeded	75	50
Current/ Recurring	1.2	Successfully completed deliverables under reimbursable agreements (on time, on budget, and accepted)	100%	98%	98%	95%	100%	95%	Exceeded	95%	95%
Benchmarking	2.4	Total number of households, institutions, or individuals that participated in digital inclusion initiatives provided through grant programs administered by the Department of Commerce	—	—	—	—	86,388	—	N/A	N/A	N/A

Class	Strategic Objective	Performance Indicator	FY 2019 Actual	FY 2020 Actual	FY 2021 Actual	FY 2022 Actual	FY 2023 Actual	FY 2023 Target	FY 2023 Status	FY 2024 Target	FY 2025 Target
Current/ Recurring	2.4	Total amount of NTIA grant funds obligated for broadband-related programs	—	—	—	$1.70 B	$2.02B	$4.30 B	Not Met	$36.30 B	$2.215 B
Current/ Recurring	1.2	Number of times research publication are downloaded annually	7,300	9,500	15,800	18,957	13,312	9,500	Exceeded	9,500	9,500
Bench.	2.4	Total number of households or institutions that have received broadband through grant, loan, and subsidy programs administered by the Federal government	—	—	—	—	—	—	N/A	N/A	N/A
Current/ Recurring	2.4	Percentage of Federal frequency assignments in AWS-3 bands that have vacated or shared spectrum, according to approved transitions plans	—	89%	90%	100%	100%	90%	Exceeded	90%	90%
Current/ Recurring	2.4	Number of Broadband Equity Access and Deployment (BEAD) Program State & Territory 5-Year Action Broadband Plans	—	—	—	0	53	55	Met	1	Discontinued all Plans Received in FY2024