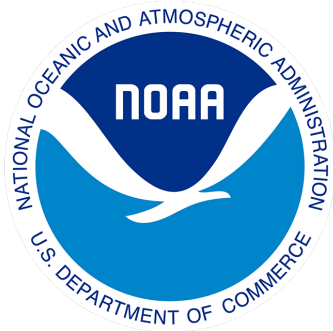


NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



**BUDGET
ESTIMATES**

FISCAL YEAR 2027

CONGRESSIONAL JUSTIFICATION

**Budget Estimates, Fiscal Year 2027
President's Budget Submission**

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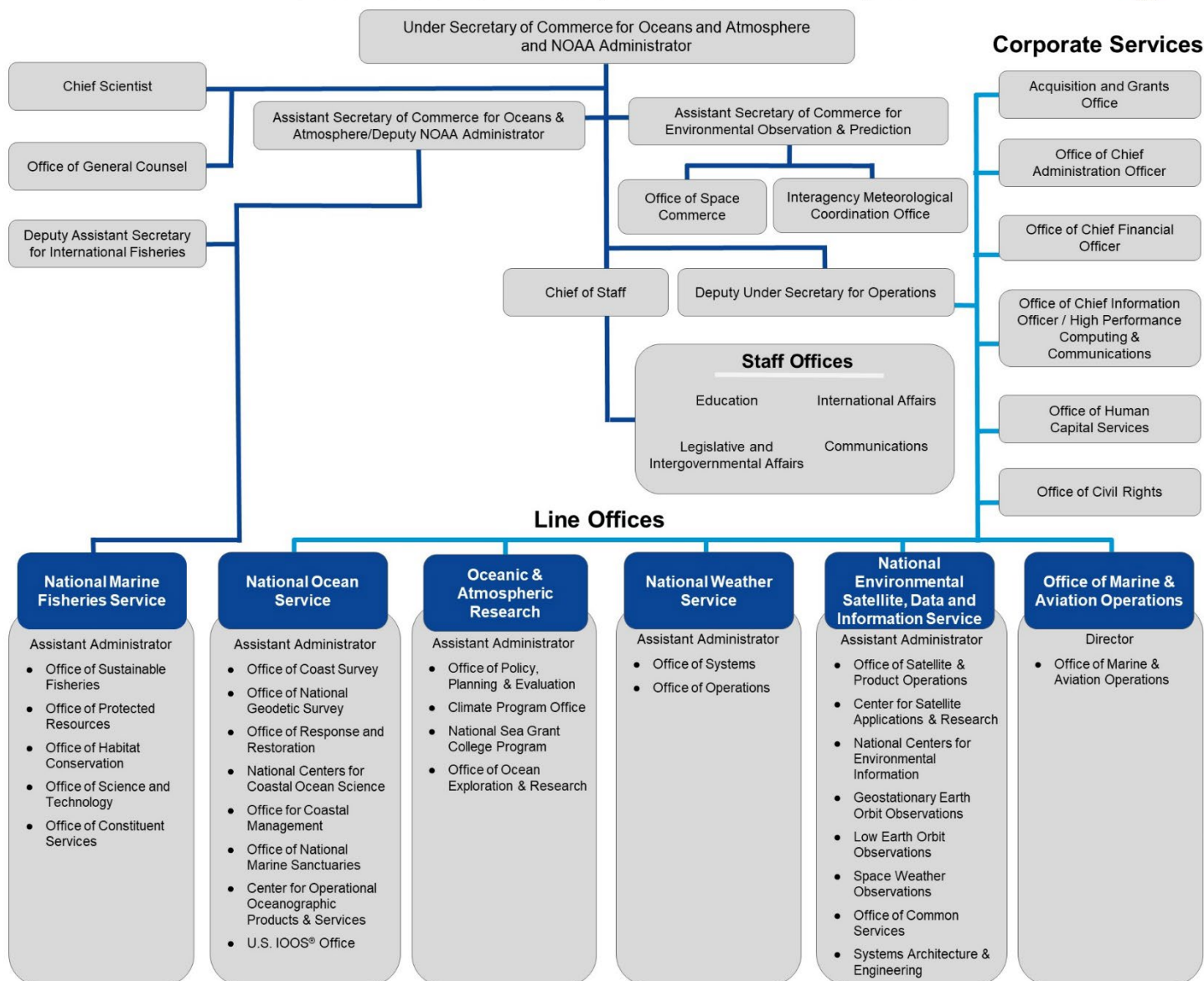
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Current

NOAA Headquarters Organization



Office of the Under Secretary for Oceans and Atmosphere



Office of the Under Secretary for Oceans and Atmosphere



**Department of Commerce
National Oceanic and Atmospheric Administration
Budget Estimates, Fiscal Year 2027**

EXECUTIVE SUMMARY

For Fiscal Year (FY) 2027, the National Oceanic and Atmospheric Administration (NOAA) requests a budget of \$4,540,824,000 in discretionary appropriations, a decrease of \$1,093,791,000 from the FY 2026 Enacted. In FY 2027, NOAA will continue to leverage partnerships to spur innovation in the weather and space enterprises and grow the American maritime economy. These activities will more effectively enable business enhancement and will continue to advance NOAA's mission of science, service, and stewardship.

NOAA manages a variety of specialized ships, aircraft, and uncrewed systems that make up the NOAA Fleet and play a critical role in the *in situ* collection of oceanographic, atmospheric, hydrographic, and fisheries data in support of NOAA's mission. In support of the NOAA fleet and *Executive Order 14269: Restoring America's Maritime Dominance*, the FY 2027 budget request proposes an increase of \$60,000,000 to accelerate the acquisition of a Class C vessel. Further, NOAA requests an increase of \$75,000,000 to initiate a fleet of autonomous research vessels to enable efficient survey of our coasts, address current data gaps, and propel a stronger ocean economy.

NOAA also manages the Nation's civil operational environmental satellites, which are the foundation of the environmental intelligence the agency provides. The FY 2027 budget request supports the continuity of these critical environmental data while focusing on the core weather mission. NOAA requests an increase of \$2,103,000, for a total of \$500,000,000, to support the continued development of the next-generation geostationary satellites, Geostationary Extended Operations (GeoXO). GeoXO will meet essential observation needs to support weather forecasting and severe storm warnings, and is committed to leveraging the innovation and capabilities of the commercial industry, including adoption of commercial best practices and technology where possible. In addition, NOAA requests an increase of \$5,000,000, for a total of \$125,000,000, to support activities related to the development and implementation of the Near Earth Orbit Network, which will serve as the next generation of polar orbiting satellites. NOAA will also continue data acquisition efforts to more fully utilize commercially available data where they meet NOAA mission needs. An increase of \$9,748,000 is requested to expand space-based commercial data acquisition and engagement activities, supporting the Administration's priorities by leveraging the capability of the private sector by integrating cost-effective commercial data to improve weather forecasting.

The FY 2027 budget request will better enable modernization and transformation of the NWS by pursuing key investments that support its core mission and transformation efforts. NWS continues to produce operational forecasts, warnings, impact-based decision support services, and other life-saving products and services to the emergency management community and public as they prepare for and respond to increasingly frequent severe weather and water events. To better support this increasing demand, an increase of \$5,000,000 is requested for the Radar Next program to continue efforts to design and deploy the next generation of weather surveillance radar technology. The current radar system is an important source of data used by weather forecasters and is at high risk of not being able to maintain target availability by 2030, which would significantly impact the ability of the NWS to provide lifesaving warnings and support services to core partners and emergency managers. The Radar Next program will ensure continuity

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of operations, expand coverage, and improve performance, enabling forecasters to improve the lead times and the accuracy of warnings for high-impact weather events. In addition, NOAA requests an increase of \$7,132,000 to continue the transformation of the Advanced Weather Interactive Processing System – known as AWIPS – to a cloud framework to enable forecasters to provide efficient, secure remote access to provide on-site support services wherever and whenever severe weather threatens. NOAA will couple these emerging technologies and will drive greater economic benefits, strengthen national security, and deepen partnerships with the commercial weather enterprise into the future.

In FY 2027, NOAA will advance and support the United States as a global leader in responsible seabed and mineral exploration and commercial recovery. An increase of \$2,000,000 is proposed to support *Executive Order 14285: Unleashing America's Offshore Critical Minerals and Resources* by building upon our established licensing and permitting authority and framework to sustain Deep Seabed Hard Mineral Resources Act licensing and permitting capacity. NOAA will use artificial intelligence and other technology solutions to increase efficiency in unleashing an ocean economy.

NOAA is responsible for the management and conservation of living marine resources within the U.S. Exclusive Economic Zone. The FY 2027 budget request proposes several investments supporting *Executive Order 14726: Restoring American Seafood Competitiveness*. NOAA will invest \$5,000,000 to maintain essential surveys for high priority, economically important fisheries stocks and modernize data collection for stock assessment analysis to improve fisheries management. Emerging technologies such as uncrewed surface vehicles, autonomous underwater vehicles, and environmental DNA offer an unprecedented opportunity to expand survey coverage, reduce operational costs, and provide higher resolution data in near real-time. In addition, NOAA is requesting an increase of \$9,430,000 to support the America First Seafood Strategy, including initiatives to support seafood product traceability, unleash the untapped potential of U.S. aquaculture, and expand capacity to inspect fish and fish products imported into the U.S.

NOAA's FY 2027 budget request advances the transfer proposed in the FY 2026 President's Budget to transfer Endangered Species Act (ESA) and Marine Mammal Protection Act (MMPA) functions in the NMFS Office of Protected Resources to the Department of the Interior's U.S. Fish and Wildlife Service. This would improve coordination and efficiency and streamline implementation of these statutes, reducing regulatory burden on American citizens and industry. In addition, the FY 2027 budget request transfers the Office of Space Commerce to the Department of Commerce as a standalone office reporting directly to the Secretary. This realignment will enable the Department of Commerce to be a uniquely vocal advocate for the growing U.S. space commercial industry within the interagency, and supports *Executive Order 14335: Enabling Competition in the Commercial Space Industry*.

In accordance with administration policy announced in the Budget, NOAA] will follow new government-wide grants guidance prohibiting the use of Federal funds to pay for subscriptions to academic journals, as well as for the publication of research results that are not specifically required by Federal statute or approved in advance by a Federal agency. This policy preserves funds to support actual research by ensuring that the American taxpayer does not pay for the research, publication, and access to that

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Budget Estimates, Fiscal Year 2027**

research, essentially triple-charging the public for the same product.

The NOAA FY 2027 budget request will make critical investments to better enable NOAA to address current and emerging needs of the Nation. Through this budget, NOAA will help unleash American energy, leverage innovation in the weather and space enterprises, and enable and promote economic growth.

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Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 PROGRAM INCREASES / DECREASES / TERMINATIONS
(Dollar amounts in thousands)
(By Budget Program, Largest to Smallest)

Increases

Page No In CJ	Appropriations	Budget Program	Title of Increase	Positions	Budget Authority
NOS-52	ORF	NOS	Seabed Critical Minerals, Resources Exploration, and Sustainable Recovery	7	\$2,000
NMFS-114	ORF	NMFS	America First Seafood Strategy: Combat IUU Fishing	10	\$6,430
NMFS-59	ORF	NMFS	Modernize Fisheries Surveys and Data Collection Using Advanced Technology	6	\$5,000
NMFS-87	ORF	NMFS	America First Seafood Strategy: Strengthen American Aquaculture	2	\$2,000
NMFS-103	ORF	NMFS	Regional Fishery Management Councils Increase	0	\$1,241
NMFS-75	ORF	NMFS	America First Seafood Strategy: Address Unfair Trade Practices	3	\$1,000
NWS-28	ORF	NWS	AWIPS in the Cloud	0	\$7,132
NWS-61	PAC	NWS	Radar Next Program	5	\$5,000
NWS-66	PAC	NWS	Observations Recapitalization	0	\$2,000
NESDIS-66	PAC	NESDIS	Commercial Services	0	\$9,748
NESDIS-62	PAC	NESDIS	Near Earth Orbit Network	0	\$5,000
NESDIS-58	PAC	NESDIS	Geostationary Extended Observations	0	\$2,103
NESDIS-54	PAC	NESDIS	Common Ground Services Increase	0	\$353
OMAO-46	PAC	OMAO	Uncrewed Systems Acquisition	0	\$75,000
OMAO-40	PAC	OMAO	Accelerate NOAA Fleet Recapitalization	0	\$60,000
Subtotal, Increases				33	\$184,007

Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 PROGRAM INCREASES / DECREASES / TERMINATIONS
(Dollar amounts in thousands)
(By Budget Program, Largest to Smallest)

Decreases

Page No In CJ	Appropriation	Budget Program	Title of Decrease	Positions	Budget Authority
NOS-18	ORF	NOS	Reduce Navigation, Observation, and Positioning Services	0	(\$46,328)
NOS-29	ORF	NOS	Reduce Sustained Ocean Observations and Monitoring	(25)	(\$41,619)
NOS-69	ORF	NOS	Reduce National Marine Sanctuaries	0	(\$27,785)
NOS-26	ORF	NOS	Reduce Ocean Exploration and Research	0	(\$17,256)
NOS-56	ORF	NOS	Reduce Coastal Zone Management and Services	0	(\$15,785)
NOS-23	ORF	NOS	Reduce Hydrographic Survey Priorities/Contracts	0	(\$4,627)
NMFS-54	ORF	NMFS	Fisheries and Ecosystem Science Programs and Services Reduction	(12)	(\$43,353)
NMFS-80	ORF	NMFS	Fisheries Management Activities Reduction	(45)	(\$30,868)
NMFS-64	ORF	NMFS	Fisheries Surveys and Data Collection Reduction	(10)	(\$18,996)
NMFS-71	ORF	NMFS	Observers and Training Reduction	(4)	(\$13,749)
NMFS-97	ORF	NMFS	Mitchell Act Hatcheries Reduction	0	(\$11,815)
NMFS-100	ORF	NMFS	Pacific Salmon Treaty Reduction	0	(\$8,109)
NMFS-92	ORF	NMFS	Aquaculture Program Reduction	(2)	(\$5,906)
NMFS-68	ORF	NMFS	Cooperative Research Program Reduction	0	(\$1,114)
NWS-79	PAC	NWS	Research Supercomputing Reduction	0	(\$20,000)
NWS-31	ORF	NWS	High Performance Computing Reduction	0	(\$8,336)
NWS-41	ORF	NWS	Reduce Deferred Maintenance and Replacement Program Support	0	(\$4,699)
NWS-48	ORF	NWS	Cost Savings from Copper Lines Transition	0	(\$2,084)
NWS-56	ORF	NWS	Reduce research grants related to streamflow and rainfall	0	(\$1,935)

Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 PROGRAM INCREASES / DECREASES / TERMINATIONS

(Dollar amounts in thousands)
 (By Budget Program, Largest to Smallest)

NWS-18	ORF	NWS	Reduce Marine Observations	0	(\$1,803)
NWS-34	ORF	NWS	Streamlining Regional IT Services	0	(\$1,606)
NWS-21	ORF	NWS	Reduce NEXRAD Radome and Tower Maintenance Services	0	(\$1,500)
NESDIS-18	ORF	NESDIS	Streamlining of Satellite Operations	0	(\$47,818)
NESDIS-49	PAC	NESDIS	Polar Weather Satellites	0	(\$20,430)
NESDIS-27	ORF	NESDIS	National Centers for Environmental Information Decrease	0	(\$17,807)
NESDIS-21	ORF	NESDIS	Product Development, Readiness, and Application Decrease	0	(\$16,262)
NESDIS-45	PAC	NESDIS	GOES-R Series	0	(\$3,500)
MS-35	PAC	MS	NOAA Construction	0	(\$20,000)
MS-19	ORF	MS	Mission Services and Management	(55)	(\$18,405)
MS-23	ORF	MS	IT Security	0	(\$4,438)
MS-15	ORF	MS	Executive Leadership	(4)	(\$1,791)
MS-26	ORF	MS	Facilities Maintenance	0	(\$78)
OMAO-8	ORF	OMAO	Sustain NOAA Fleet Operations	0	(\$24,669)
OMAO-29	ORF	OMAO	Prioritize the NOAA Corps	(18)	(\$7,512)
OMAO-43	PAC	OMAO	Reduce Funds for Aircraft Recapitalization	(7)	(\$7,000)
OMAO-23	ORF	OMAO	Reduce Extramural Partnerships	0	(\$2,614)
OMAO-16	ORF	OMAO	Prioritize Flight Hours	0	(\$1,343)
Subtotal, Decreases				(182)	(\$522,940)

Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 PROGRAM INCREASES / DECREASES / TERMINATIONS
(Dollar amounts in thousands)
(By Budget Program, Largest to Smallest)

Terminations

Page No In CJ	Appropriation	Budget Program	Title of Decrease	Positions	Budget Authority
NOS-60	ORF	NOS	Terminate Coastal Zone Management Grants	0	(\$81,500)
NOS-39	ORF	NOS	Terminate National Centers for Coastal Ocean Science	(52)	(\$51,726)
NOS-33	ORF	NOS	Terminate IOOS Regional Observations	0	(\$47,500)
NOS-67	ORF	NOS	Terminate National Estuarine Research Reserve System	0	(\$34,000)
NOS-64	ORF	NOS	Terminate Coral Reef Conservation Program	(29)	(\$33,669)
NOS-62	ORF	NOS	Terminate NOAA's National Coastal Resilience Fund	0	(\$32,000)
NOS-7	ORF	NOS	Terminate NOAA Community Project Funding/NOAA Special Projects	0	(\$31,550)
NOS-43	ORF	NOS	Terminate Competitive Research Program	(4)	(\$20,024)
NOS-46	ORF	NOS	Terminate Integrated Ocean Acidification	(14)	(\$17,093)
NOS-74	PAC	NOS	Terminate National Estuarine Research Reserve Construction	0	(\$8,500)
NOS-76	PAC	NOS	Terminate Marine Sanctuaries Construction	0	(\$4,000)
NMFS-23	ORF	NMFS	Marine Mammals, Sea Turtles, and Other Species	(463)	(\$179,621)
NMFS-131	PCSRF	NMFS	Pacific Coastal Salmon Recovery Fund Termination	(2)	(\$65,000)
NMFS-123	ORF	NMFS	Habitat Conservation and Restoration Termination	(131)	(\$58,366)
NMFS-15	ORF	NMFS	Terminate NOAA Community Project Funding/NOAA Special Projects	0	(\$47,337)
NMFS-32	ORF	NMFS	Pacific Salmon	(42)	(\$34,772)
NMFS-118	ORF	NMFS	Cooperative Enforcement Program Termination	0	(\$18,673)
NMFS-26	ORF	NMFS	Species Recovery Grants Program Termination	(4)	(\$6,255)
NMFS-107	ORF	NMFS	Interjurisdictional Fisheries Grants Termination	(1)	(\$3,379)

Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 PROGRAM INCREASES / DECREASES / TERMINATIONS
(Dollar amounts in thousands)
(By Budget Program, Largest to Smallest)

NMFS-85	ORF	NMFS	Bycatch Reduction Engineering Program Termination	0	(\$3,125)
NMFS-29	ORF	NMFS	Atlantic Salmon	(2)	(\$3,066)
OAR-11	ORF	OAR	Terminate Climate Laboratories and Cooperative Institutes	(211)	(\$104,964)
OAR-27	ORF	OAR	Terminate Weather Laboratories and Cooperative Institutes	(283)	(\$95,095)
OAR-41	ORF	OAR	Terminate National Sea Grant College Program	(20)	(\$80,328)
OAR-22	ORF	OAR	Terminate Climate Competitive Research	(59)	(\$71,504)
OAR-18	ORF	OAR	Terminate Regional Climate Data and Information	(28)	(\$49,170)
OAR-35	ORF	OAR	Terminate Ocean Laboratories and Cooperative Institutes	(130)	(\$40,447)
OAR-9	ORF	OAR	Terminate NOAA Community Project Funding / NOAA Special Projects	0	(\$15,810)
OAR-44	ORF	OAR	Terminate Sea Grant Aquaculture Research	(4)	(\$14,060)
OAR-47	ORF	OAR	Terminate National Oceanographic Partnership Program	(1)	(\$2,010)
NWS-13	ORF	NWS	Terminate NOAA Community Project Funding / NOAA Special Projects	0	(\$9,332)
NESDIS-70	PAC	NESDIS	Architecture, Requirements, and Planning Termination	(25)	(\$6,000)
NESDIS-9	ORF	NESDIS	Terminate NOAA Community Project Funding / NOAA Special Projects	0	(\$375)
MS-30	ORF	MS	Terminate NOAA's Office of Education	(15)	(\$35,066)
MS-6	ORF	MS	Terminate NOAA Community Project Funding / NOAA Special Projects	0	(\$1,464)
Subtotal, Terminations				(1,520)	(\$1,306,781)

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Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 TRANSFER SUMMARY TABLE
(Dollar amounts in thousands)
(Grouped by Title of Transfer, Largest to Smallest)

Page No In CJ	Budget Program	Appropriations	Title of Transfer	Positions	Budget Authority
MS-3	MS	ORF	Office of Space Commerce Transfer to Departmental Management	(45)	(53,164)
NOS-4	NOS	ORF	Sustained Ocean Observations and Monitoring Transfer from OAR	32	52,759
OAR-5	OAR	ORF	Sustained Ocean Observations and Monitoring Transfer to NOS	(32)	(52,759)
NOS-3	NOS	ORF	Ocean Exploration and Research Transfer from OAR	38	47,256
OAR-3	OAR	ORF	Ocean Exploration and Research Transfer to NOS	(38)	(47,256)
NWS-11	NWS	PAC	Research Supercomputing Transfer from OAR Research Supercomputing	4	45,000
OAR-7	OAR	PAC	Research Supercomputing Transfer to NWS Research Supercomputing	(4)	(45,000)
NWS-6	NWS	ORF	Science and Technology Integration Transfer from U.S. Weather Research Program Transfer	35	39,400
NWS-5	NWS	ORF	U.S. Weather Research Program Transfer to Science and Technology Integration	(35)	(39,400)
NMFS-10	NMFS	ORF	Pacific Salmon Transfer to Fisheries Management Programs and Services	(129)	(28,525)
NMFS-11	NMFS	ORF	Fisheries Management Programs and Services Transfer from Pacific Salmon	129	28,525
NWS-8	NWS	ORF	Science and Technology Integration Transfer from Tornado Severe Storm Research/Phased Array Radar	9	21,077
NWS-7	NWS	ORF	Tornado Severe Storm Research/Phased Array Radar Transfer to Science and Technology Integration	(9)	(21,077)
NWS-4	NWS	ORF	Central Processing Transfer from OAR High Performance Computing Initiatives	17	18,336

Department of Commerce
National Oceanic and Atmospheric Administration
FY 2027 TRANSFER SUMMARY TABLE
(Dollar amounts in thousands)
(Grouped by Title of Transfer, Largest to Smallest)

OAR-6	OAR	ORF	High Performance Computing Initiatives Transfer to NWS Central Processing	(17)	(18,336)
NOS-5	NOS	ORF	Integrated Ocean Acidification Transfer from OAR	14	17,093
OAR-4	OAR	ORF	Integrated Ocean Acidification Transfer to NOS	(14)	(17,093)
NMFS-8	NMFS	ORF	Pacific Salmon Transfer to Fisheries and Ecosystem Programs and Services	(61)	(13,475)
NMFS-9	NMFS	ORF	Fisheries and Ecosystem Programs and Services Transfer from Pacific Salmon	61	13,475
NWS-10	NWS	ORF	Science and Technology Integration Transfer from Joint Technology Transfer Initiative	4	12,092
NWS-9	NWS	ORF	Joint Technology Transfer Initiative Transfer to Science and Technology Integration	(4)	(12,092)
NMFS-4	NMFS	ORF	Atlantic Salmon Transfer to Fisheries Ecosystem Science Programs and Services	(12)	(3,614)
NMFS-5	NMFS	ORF	Fisheries Ecosystem Science Programs and Services Transfer from Atlantic Salmon	12	3,614
NMFS-6	NMFS	ORF	Atlantic Salmon Transfer to Fisheries Management Programs and Services	(5)	(1,386)
NMFS-7	NMFS	ORF	Fisheries Management Programs and Services Transfer from Atlantic Salmon	5	1,386
Total, Transfers				(45)	(53,164)

Department of Commerce
National Oceanic and Atmospheric Administration
Research and Development (R&D) Investments
(Dollar amounts in thousands)

The NOAA FY 2027 Budget estimates for R&D investments are the result of an integrated requirements-based strategic planning process. This process provides the structure to link NOAA's strategic vision with programmatic detail and budget development, with the goal of maximizing resources while optimizing capabilities.

NOAA requests \$412 million for investments (excluding equipment and facilities) in R&D in the FY 2027 Budget. The distribution by Line Offices is provided in the table below.

Line Office (\$ in thousands)	Research	Development	Total R&D (excluding Equipment and Facilities)	Equipment and Facilities	Total R&D with Equipment and Facilities
NOS	52,837	16,441	69,278	488	69,766
NMFS	19,598	10,213	29,811	216	30,027
OAR	0	0	0	0	0
NWS	68,119	63,815	131,934	26,616	158,550
NESDIS	43,500	0	43,500	0	43,500
OMAO	137,223	0	137,223	211,200	273,423
MS	0	0	0	0	0
Total	\$321,277	\$90,469	\$411,746	\$238,520	\$650,266

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Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NATIONAL OCEAN SERVICE

Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Navigation, Observations and Positioning																
Navigation, Observations and Positioning	463	435	183,702	0	0	2,626	0	463	435	186,328	0	0	(46,328)	463	435	140,000
Hydrographic Survey Priorities/Contracts	22	21	31,500	0	0	127	0	22	21	31,627	0	0	(4,627)	22	21	27,000
Ocean Exploration and Research	0	0	0	38	33	0	47,256	38	33	47,256	0	0	(17,256)	38	33	30,000
Sustained Ocean Observations and Monitoring	0	0	0	32	27	0	52,759	32	27	52,759	(25)	(22)	(41,619)	7	5	11,140
IOOS Regional Observations	0	0	47,500	0	0	0	0	0	0	47,500	0	0	(47,500)	0	0	0
Total, Navigation, Observations and Positioning	485	456	262,702	70	60	2,753	100,015	555	516	365,470	(25)	(22)	(157,330)	530	494	208,140
Coastal Science and Assessment																
Coastal Science, Assessment, Response and Restoration	213	203	95,500	0	0	1,226	0	213	203	96,726	(52)	(52)	(51,726)	161	151	45,000
Competitive Research	4	4	20,000	0	0	24	0	4	4	20,024	(4)	(4)	(20,024)	0	0	0
Integrated Ocean Acidification	0	0	0	14	12	0	17,093	14	12	17,093	(14)	(12)	(17,093)	0	0	0
Total, Coastal Science and Assessment	217	207	115,500	14	12	1,250	17,093	231	219	133,843	(70)	(68)	(88,843)	161	151	45,000
Ocean and Coastal Management and Services																
Coastal Zone Management and Services	104	97	51,000	0	0	585	0	104	97	51,585	7	7	(13,785)	111	104	37,800
Coastal Zone Management Grants	0	0	81,500	0	0	0	0	0	0	81,500	0	0	(81,500)	0	0	0
National Oceans and Coastal Security Fund	0	0	32,000	0	0	0	0	0	0	32,000	0	0	(32,000)	0	0	0
Coral Reef Program	29	28	33,500	0	0	169	0	29	28	33,669	(29)	(28)	(33,669)	0	0	0
National Estuarine Research Reserve System	0	0	34,000	0	0	0	0	0	0	34,000	0	0	(34,000)	0	0	0
Sanctuaries and Marine Protected Areas	135	130	67,000	0	0	785	0	135	130	67,785	0	0	(27,785)	135	130	40,000
Total, Ocean and Coastal Management and Services	268	255	299,000	0	0	1,539	0	268	255	300,539	(22)	(21)	(222,739)	246	234	77,800
NOAA Community Project Funding/NOAA Special Projects	0	0	31,550	0	0	0	0	0	0	31,550	0	0	(31,550)	0	0	0
Total, NOS - Discretionary ORF	970	918	708,752	84	72	5,542	117,108	1,054	990	831,402	(117)	(111)	(500,462)	937	879	330,940
Total, NOS - Discretionary PAC	0	0	12,500	0	0	0	0	0	0	12,500	0	0	(12,500)	0	0	0
Discretionary Total - NOS	970	918	721,252	84	72	5,542	117,108	1,054	990	843,902	(117)	(111)	(512,962)	937	879	330,940
Total, NOS - Other Mandatory Accounts	36	35	121,912	0	0	0	(89,862)	36	35	32,050	0	0	0	36	35	32,050
GRAND TOTAL NOS	1,006	953	843,164	84	72	5,542	27,246	1,090	1,025	875,952	(117)	(111)	(512,962)	973	914	362,990

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NATIONAL MARINE FISHERIES SERVICE
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Protected Resources Science and Management																
Marine Mammals, Sea Turtles, and Other Species	463	414	177,955	0	0	1,666	0	463	414	179,621	(463)	(414)	(179,621)	0	0	0
Species Recovery Grants	4	4	6,250	0	0	5	0	4	4	6,255	(4)	(4)	(6,255)	0	0	0
Atlantic Salmon	19	17	8,000	(17)	(15)	66	(5,000)	2	2	3,066	(2)	(2)	(3,066)	0	0	0
Pacific Salmon	232	207	75,750	(190)	(170)	1,022	(42,000)	42	37	34,772	(42)	(37)	(34,772)	0	0	0
Total, Protected Resources Science and Management	718	642	267,955	(207)	(185)	2,759	(47,000)	511	457	223,714	(511)	(457)	(223,714)	0	0	0
Fisheries Science and Management																
Fisheries and Ecosystem Science Programs and Services	517	462	161,500	73	65	1,853	17,089	590	527	180,442	(12)	(12)	(43,353)	578	515	137,089
Fisheries Data Collections, Surveys, and Assessments	387	344	214,054	0	0	1,768	0	387	344	215,822	(4)	(6)	(15,110)	383	338	200,712
Observers and Training	127	114	58,383	0	0	366	0	127	114	58,749	(4)	(4)	(13,749)	123	110	45,000
Fisheries Management Programs and Services	381	339	138,000	134	120	1,493	29,911	515	459	169,404	(42)	(43)	(32,993)	473	416	136,411
Aquaculture	39	35	25,000	0	0	150	0	39	35	25,150	0	0	(3,906)	39	35	21,244
Salmon Management Activities	37	34	69,750	0	0	174	0	37	34	69,924	0	0	(19,924)	37	34	50,000
Regional Councils and Fisheries Commissions	11	10	45,000	0	0	974	0	11	10	45,974	0	0	1,241	11	10	47,215
Interjurisdictional Fisheries Grants	1	1	3,377	0	0	2	0	1	1	3,379	(1)	(1)	(3,379)	0	0	0
Total, Fisheries Science and Management	1,500	1,339	715,064	207	185	6,780	47,000	1,707	1,524	768,844	(63)	(66)	(131,173)	1,644	1,458	637,671
Enforcement																
Enforcement	214	191	81,000	0	0	899	0	214	191	81,899	10	7	(12,243)	224	198	69,656
Total, Enforcement	214	191	81,000	0	0	899	0	214	191	81,899	10	7	(12,243)	224	198	69,656
Habitat Conservation and Restoration																
Habitat Conservation and Restoration	131	117	57,684	0	0	682	0	131	117	58,366	(131)	(117)	(58,366)	0	0	0
Total, Habitat Conservation & Restoration	131	117	57,684	0	0	682	0	131	117	58,366	(131)	(117)	(58,366)	0	0	0
NOAA Community Project Funding/NOAA Special Projects	0	0	47,337	0	0	0	0	0	0	47,337	0	0	(47,337)	0	0	0
Total, NMFS - Discretionary ORF	2,563	2,289	1,169,040	0	0	11,120	0	2,563	2,289	1,180,160	(695)	(633)	(472,833)	1,868	1,656	707,327
Total, NMFS - Discretionary PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, NMFS - Other Discretionary Accounts	3	3	69,649	0	0	0	0	3	3	69,649	(2)	(2)	(65,000)	1	1	4,649
Discretionary Total - NMFS	2,566	2,292	1,238,689	0	0	11,120	0	2,566	2,292	1,249,809	(697)	(635)	(537,833)	1,869	1,657	711,976
Total, NMFS - Mandatory Accounts	168	149	59,511	0	0	0	(3,022)	168	149	56,489	0	0	0	168	149	56,489
GRAND TOTAL NMFS	2,734	2,441	1,298,200	0	0	11,120	(3,022)	2,734	2,441	1,306,298	(697)	(635)	(537,833)	2,037	1,806	768,465

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

OFFICE OF OCEANIC AND ATMOSPHERIC RESEARCH
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Climate Research																
Climate Laboratories and Cooperative Institutes	211	180	104,102	0	0	862	0	211	180	104,964	(211)	(180)	(104,964)	0	0	0
Regional Climate Data and Information	28	24	48,932	0	0	238	0	28	24	49,170	(28)	(24)	(49,170)	0	0	0
Climate Competitive Research	59	50	71,116			388	0	59	50	71,504	(59)	(50)	(71,504)	0	0	0
Total, Climate Research	298	254	224,150	0	0	1,488	0	298	254	225,638	(298)	(254)	(225,638)	0	0	0
Weather and Air Chemistry Research																
Weather Laboratories and Cooperative Institutes	283	277	94,000	0	0	1,095	0	283	277	95,095	(283)	(277)	(95,095)	0	0	0
U.S. Weather Research Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tornado Severe Storm Research / Phased Array Radar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Joint Technology Transfer Initiative	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, Weather and Air Chemistry Research	283	277	94,000	0	0	1,095	0	283	277	95,095	(283)	(277)	(95,095)	0	0	0
Ocean, Coastal, and Great Lakes Research																
Ocean Laboratories and Cooperative Institutes	130	111	40,000	0	0	447	0	130	111	40,447	(130)	(111)	(40,447)	0	0	0
National Sea Grant College Program	20	17	80,000	0	0	328	0	20	17	80,328	(20)	(17)	(80,328)	0	0	0
Sea Grant Aquaculture Research	4	4	14,000	0	0	60	0	4	4	14,060	(4)	(4)	(14,060)	0	0	0
Ocean Exploration and Research	38	33	47,000	(38)	(33)	256	(47,256)	0	0	0	0	0	0	0	0	0
Integrated Ocean Acidification	14	12	17,000	(14)	(12)	93	(17,093)	0	0	0	0	0	0	0	0	0
Sustained Ocean Observations and Monitoring	32	27	52,500	(32)	(27)	259	(52,759)	0	0	0	0	0	0	0	0	0
National Oceanographic Partnership Program	1	1	2,000			10		1	1	2,010	(1)	(1)	(2,010)	0	0	0
Total, Ocean, Coastal, and Great Lakes Research	239	205	252,500	(84)	(72)	1,453	(117,108)	155	133	136,845	(155)	(133)	(136,845)	0	0	0
Innovative Research and Technology																
High Performance Computing Initiatives	17	15	18,231	(17)	(15)	105	(18,336)	0	0	0	0	0	0	0	0	0
Uncrewed Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, Innovative Research and Technology	17	15	18,231	(17)	(15)	105	(18,336)	0	0	0	0	0	0	0	0	0
NOAA Community Project Funding/NOAA Special Projects	0	0	15,810	0	0	0	0	0	0	15,810	0	0	(15,810)	0	0	0
Total, OAR - Discretionary ORF	837	751	604,691	(101)	(87)	4,141	(135,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0
Total, OAR - Discretionary PAC	4	4	45,000	(4)	(4)	0	(45,000)	0	0	0	0	0	0	0	0	0
Discretionary Total - OAR	841	755	649,691	(105)	(91)	4,141	(180,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0
GRAND TOTAL OAR	841	755	649,691	(105)	(91)	4,141	(180,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NATIONAL WEATHER SERVICE
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Observations	710	691	262,500	0	0	3,303	0	710	691	265,803	0	0	(3,303)	710	691	262,500
Central Processing	230	219	113,000	17	15	1,606	18,336	247	234	132,942	0	0	(2,810)	247	234	130,132
Analyze, Forecast and Support	2,886	2,830	603,500	0	0	4,699	0	2,886	2,830	608,199	0	0	(4,699)	2,886	2,830	603,500
Dissemination	91	88	120,000	0	0	2,084	0	91	88	122,084	0	0	(2,084)	91	88	120,000
Science and Technology Integration	473	442	180,000	49	49	1,382	72,569	522	491	253,951	0	0	(1,935)	522	491	252,016
U.S. Weather Research Program	35	35	39,100	(35)	(35)	300	(39,400)	0	0	0	0	0	0	0	0	0
Tornado Severe Storm Research/Phased Array Radar	9	9	20,916	(9)	(9)	161	(21,077)	0	0	0	0	0	0	0	0	0
Joint Technology Transfer Initiative	5	5	12,000	(5)	(5)	92	(12,092)	0	0	0	0	0	0	0	0	0
NOAA Community Project Funding/NOAA Special Projects	0	0	9,332	0	0	0	0	0	0	9,332	0	0	(9,332)	0	0	0
Total, NWS - Discretionary ORF	4,439	4,319	1,360,348	17	15	13,627	18,336	4,456	4,334	1,392,311	0	0	(24,163)	4,456	4,334	1,368,148
Total, NWS - Discretionary PAC	34	34	104,200	4	4	0	45,000	38	38	149,200	5	4	(13,000)	43	42	136,200
Discretionary Total - NWS	4,473	4,353	1,464,548	21	19	13,627	63,336	4,494	4,372	1,541,511	5	4	(37,163)	4,499	4,376	1,504,348
GRAND TOTAL NWS	4,473	4,353	1,464,548	21	19	13,627	63,336	4,494	4,372	1,541,511	5	4	(37,163)	4,499	4,376	1,504,348

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Environmental Satellite Observing Systems																
Office of Satellite and Product Operations	329	280	269,000	0	0	3,818	0	329	280	272,818			(47,818)	329	280	225,000
Product Development, Readiness and Application	70	56	59,000	0	0	762	0	70	56	59,762			(16,262)	70	56	43,500
U.S. Group on Earth Observations	0	0	500	0	0	0	0	0	0	500			0	0	0	500
Total, Environmental Satellite Observing Systems	399	336	328,500	0	0	4,580	0	399	336	333,080	0	0	(64,080)	399	336	269,000
National Centers for Environmental Information																
National Centers for Environmental Information	185	140	69,000	0	0	807	0	185	140	69,807			(17,807)	185	140	52,000
Total, National Centers for Environmental Information	185	140	69,000	0	0	807	0	185	140	69,807	0	0	(17,807)	185	140	52,000
NOAA Community Project Funding/NOAA Special Projects	0	0	375	0	0	0	0	0	0	375	0	0	(375)	0	0	0
Total, NESDIS - Discretionary ORF	584	476	397,875	0	0	5,387	0	584	476	403,262	0	0	(82,262)	584	476	321,000
Total, NESDIS - Discretionary PAC	363	318	1,268,199	0	0	0	0	363	318	1,268,199	(25)	(25)	(12,726)	338	293	1,255,473
Discretionary Total - NESDIS	947	794	1,666,074	0	0	5,387	0	947	794	1,671,461	(25)	(25)	(94,988)	922	769	1,576,473
GRAND TOTAL NESDIS	947	794	1,666,074	0	0	5,387	0	947	794	1,671,461	(25)	(25)	(94,988)	922	769	1,576,473

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

MISSION SUPPORT
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Mission Support Services																
Executive Leadership	120	110	28,230	0	0	381	0	120	110	28,611	(4)	(1)	(1,791)	116	109	26,820
Mission Services and Management	564	504	156,000	0	0	3,405	0	564	504	159,405	(55)	(13)	(18,405)	509	491	141,000
IT Security	19	17	15,438	0	0	438	0	19	17	15,876	0	0	(4,438)	19	17	11,438
Payment to the DOC Working Capital Fund	0	0	71,299	0	0	16,069	0	0	0	87,368			0	0	0	87,368
Facilities Maintenance	0	0	6,250	0	0	78	0	0	0	6,328	0	0	(78)	0	0	6,250
Office of Space Commerce	45	30	52,500	(45)	(30)	664	(53,164)	0	0	0	0	0	0	0	0	0
Total, Mission Support Services	748	661	329,717	(45)	(30)	21,035	(53,164)	703	631	297,588	(59)	(14)	(24,712)	644	617	272,876
Office of Education																
Office of Education	15	12	34,950	0	0	116	0	15	12	35,066	(15)	(12)	(35,066)	0	0	0
Hollings Scholarship	0	0	0	0	0	0	0	0	0	0				0	0	0
Total, Office of Education	15	12	34,950	0	0	116	0	15	12	35,066	(15)	(12)	(35,066)	0	0	0
NOAA Community Project Funding/NOAA Special Projects	0	0	1,464	0	0	0	0	0	0	1,464	0	0	(1,464)	0	0	0
Total, MS - Discretionary ORF	763	673	366,131	(45)	(30)	21,151	(53,164)	718	643	334,118	(74)	(26)	(61,242)	644	617	272,876
Total, MS - Discretionary PAC	7	7	60,000	0	0	0	0	7	7	60,000	0	0	(20,000)	7	7	40,000
Discretionary Total - MS	770	680	426,131	(45)	(30)	21,151	(53,164)	725	650	394,118	(74)	(26)	(81,242)	651	624	312,876
Total, MS - Mandatory Accounts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRAND TOTAL MS	770	680	426,131	(45)	(30)	21,151	(53,164)	725	650	394,118	(74)	(26)	(81,242)	651	624	312,876

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

OFFICE OF MARINE AND AVIATION OPERATIONS
Direct Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Marine Operations and Maintenance	612	724	225,000	0	0	3,669	0	612	724	228,669	0	0	(24,669)	612	724	204,000
Aviation Operations and Aircraft Services	91	82	41,199	0	0	644	0	91	82	41,843	0	0	(1,343)	91	82	40,500
Autonomous Uncrewed Technology Operations	18	12	24,000	0	0	291	0	18	12	24,291	0	0	(2,614)	18	12	21,677
NOAA Commissioned Officer Corps	394	385	71,000	(7)	(7)	2,551	0	387	378	73,551	(18)	(18)	(7,512)	369	360	66,039
NOAA Community Project Funding/NOAA Special Projects	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, OMAO - Discretionary ORF	1,115	1,203	361,199	(7)	(7)	7,155	0	1,108	1,196	368,354	(18)	(18)	(36,138)	1,090	1,178	332,216
Total, OMAO - Discretionary PAC	43	31	100,000	0	0	0	0	43	31	100,000	(7)	(5)	128,000	36	26	228,000
Total, OMAO - Other Discretionary Accounts	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Discretionary Total - OMAO	1,158	1,234	463,874	(7)	(7)	7,155	(146)	1,151	1,227	470,883	(25)	(23)	91,862	1,126	1,204	562,745
Total, OMAO - Other Mandatory Accounts	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
GRAND TOTAL OMAO	1,158	1,234	503,491	(7)	(7)	7,155	(146)	1,151	1,227	510,500	(25)	(23)	91,862	1,126	1,204	602,362

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

ORF SUMMARY
LINE OFFICE DIRECT DISCRETIONARY OBLIGATIONS

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
National Ocean Service	970	918	708,752	84	72	5,542	117,108	1,054	990	831,402	(117)	(111)	(500,462)	937	879	330,940
National Marine Fisheries Service	2,563	2,289	1,169,040	0	0	11,120	0	2,563	2,289	1,180,160	(695)	(633)	(472,833)	1,868	1,656	707,327
Office of Oceanic and Atmospheric Research	837	751	604,691	(101)	(87)	4,141	(135,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0
National Weather Service	4,439	4,319	1,360,348	17	15	13,627	18,336	4,456	4,334	1,392,311	0	0	(24,163)	4,456	4,334	1,368,148
National Environmental Satellite, Data and Information Service	584	476	397,875	0	0	5,387	0	584	476	403,262	0	0	(82,262)	584	476	321,000
Mission Support	763	673	366,131	(45)	(30)	21,151	(53,164)	718	643	334,118	(74)	(26)	(61,242)	644	617	272,876
Office of Marine and Aviation Operations	1,115	1,203	361,199	(7)	(7)	7,155	0	1,108	1,196	368,354	(18)	(18)	(36,138)	1,090	1,178	332,216
SUBTOTAL LO DIRECT DISCRETIONARY ORF OBLIGATIONS	11,271	10,629	4,968,036	(52)	(37)	68,123	(53,164)	11,219	10,592	4,982,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,332,507

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

ORF ADJUSTMENTS

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
SUBTOTAL ORF DIRECT OBLIGATIONS	11,271	10,629	4,968,036	(52)	(37)	68,123	(53,164)	11,219	10,592	4,982,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,332,507
FINANCING																
Deobligations	0	0	(28,000)	0	0	0	0	0	0	(28,000)	0	0	0	0	0	(28,000)
Rescission	0	0	0	0	0	0	(75,000)	0	0	(75,000)	0	0	0	0	0	(75,000)
Total ORF Financing	0	0	(28,000)	0	0	0	(75,000)	0	0	(103,000)	0	0	0	0	0	(103,000)
SUBTOTAL ORF BUDGET AUTHORITY	11,271	10,629	4,940,036	(52)	(37)	68,123	(128,164)	11,219	10,592	4,879,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,229,507
TRANSFERS																
Transfer from P&D to ORF	0	0	(399,644)	0	0	0	(13,890)	0	0	(413,534)	0	0	0	0	0	(413,534)
Transfer from IJJA ORF	0	0	(507,000)	0	0	0	507,000	0	0	0	0	0	0	0	0	0
Total ORF Transfers	0	0	(906,644)	0	0	0	568,110	0	0	(338,534)	0	0	0	0	0	(338,534)
SUBTOTAL ORF APPROPRIATION	11,271	10,629	4,033,392	(52)	(37)	68,123	439,946	11,219	10,592	4,541,461	(1,640)	(1,452)	(1,650,488)	9,579	9,140	2,890,973

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

PROCUREMENT, ACQUISITION, AND CONSTRUCTION
Direct Discretionary Obligations

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
NOS																
Acquisition/Construction																
National Estuarine Research Reserve Construction	0	0	8,500	0	0	0	0	0	0	8,500	0	0	(8,500)	0	0	0
Marine Sanctuaries Construction	0	0	4,000	0	0	0	0	0	0	4,000	0	0	(4,000)	0	0	0
Subtotal, NOS Construction	0	0	12,500	0	0	0	0	0	0	12,500	0	0	(12,500)	0	0	0
Total, NOS - PAC	0	0	12,500	0	0	0	0	0	0	12,500	0	0	(12,500)	0	0	0
NMFS																
Construction																
Hurricane Sandy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal, NMFS Construction	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total, NMFS - PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OAR																
Systems Acquisition																
Research Supercomputing	4	4	45,000	(4)	(4)		(45,000)	0	0	0	0	0	0	0	0	0
Research Acquisitions and Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal, OAR Systems Acquisition	4	4	45,000	(4)	(4)	0	(45,000)	0	0	0	0	0	0	0	0	0
Total, OAR - PAC	4	4	45,000	(4)	(4)	0	(45,000)	0	0	0	0	0	0	0	0	0
NWS																
Systems Acquisition																
Observations	4	4	16,200	0	0	0	0	4	4	16,200	5	4	7,000	9	8	23,200
Central Processing	28	28	68,000	0	0	0	0	28	28	68,000	0	0	0	28	28	68,000
Dissemination	1	1	10,000	0	0	0	0	1	1	10,000	0	0	0	1	1	10,000
Research Supercomputing	0	0	0	4	4	0	45,000	4	4	45,000	0	0	(20,000)	4	4	25,000
Subtotal, NWS Systems Acquisition	33	33	94,200	4	4	0	45,000	37	37	139,200	5	4	(13,000)	42	41	126,200
Construction																
Facilities Construction and Major Repairs	1	1	10,000	0	0	0	0	1	1	10,000	0	0	0	1	1	10,000
Subtotal, NWS Construction	1	1	10,000	0	0	0	0	1	1	10,000	0	0	0	1	1	10,000
Total, NWS - PAC	34	34	104,200	4	4	0	45,000	38	38	149,200	5	4	(13,000)	43	42	136,200

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NESDIS																	
Systems Acquisition																	
Geostationary Systems - R	32	32	74,600	0	0	0	0	32	32	74,600	0	0	(3,500)	32	32	71,100	
Polar Weather Satellites	56	46	290,000	0	0	0	0	56	46	290,000	0	0	(20,430)	56	46	269,570	
Space Weather Follow On		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Common Ground Services	78	65	90,000	0	0	0	0	78	65	90,000	0	0	353	78	65	90,353	
Geostationary Earth Orbit	76	71	497,897	0	0	0	0	76	71	497,897	0	0	2,103	76	71	500,000	
Low Earth Orbit	37	34	120,000	0	0	0	0	37	34	120,000	0	0	5,000	37	34	125,000	
Space Weather Next	38	29	150,000	0	0	0	0	38	29	150,000	0	0	0	38	29	150,000	
Commercial Services	46	41	43,252	0	0	0	0	46	41	43,252	(25)	(25)	3,748	21	16	47,000	
Subtotal, NESDIS Systems Acquisition	363	318	1,265,749	0	0	0	0	363	318	1,265,749	(25)	(25)	(12,726)	338	293	1,253,023	
Construction																	
Satellite CDA Facility	0	0	2,450	0	0	0	0	0	0	2,450	0	0	0	0	0	2,450	
Subtotal, NESDIS Construction	0	0	2,450	0	0	0	0	0	0	2,450	0	0	0	0	0	2,450	
Total, NESDIS - PAC	363	318	1,268,199	0	0	0	0	363	318	1,268,199	(25)	(25)	(12,726)	338	293	1,255,473	
Mission Support																	
Construction																	
NOAA Construction	7	7	60,000	0	0	0	0	7	7	60,000	0	0	(20,000)	7	7	40,000	
Subtotal, Mission Support Construction	7	7	60,000	0	0	0	0	7	7	60,000	0	0	(20,000)	7	7	40,000	
Total, Mission Support - PAC	7	7	60,000	0	0	0	0	7	7	60,000	0	0	(20,000)	7	7	40,000	
OMAO																	
Marine and Aviation Capital Investments																	
Fleet Capital Improvements & Tech Infusion	14	11	28,000	0	0	0	0	14	11	28,000			0	14	11	28,000	
Vessel Recapitalization and Construction	22	15	65,000	0	0	0	0	22	15	65,000			60,000	22	15	125,000	
Uncrewed Systems Acquisition	0	0	0	0	0	0	0	0	0	0			75,000	0	0	75,000	
Aircraft Recapitalization and Construction	7	5	7,000	0	0	0	0	7	5	7,000	(7)	(5)	(7,000)	0	0	0	
Subtotal, Marine and Aviation Capital Investments	43	31	100,000	0	0	0	0	43	31	100,000	(7)	(5)	128,000	36	26	228,000	
Total, OMAO - PAC	43	31	100,000	0	0	0	0	43	31	100,000	(7)	(5)	128,000	36	26	228,000	
GRAND TOTAL PAC DISCRETIONARY OBLIGATIONS	451	394	1,589,899	0	0	0	0	451	394	1,589,899	(27)	(26)	69,774	424	368	1,659,673	

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

PAC ADJUSTMENTS

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
SUBTOTAL PAC DIRECT OBLIGATIONS	451	394	1,589,899	0	0	0	0	451	394	1,589,899	(27)	(26)	69,774	424	368	1,659,673
FINANCING																
Deobligations	0	0	(13,000)	0	0	0	0	0	0	(13,000)	0	0	0	0	0	(13,000)
Total PAC Financing	0	0	(13,000)	0	0	0	0	0	0	(13,000)	0	0	0	0	0	(13,000)
SUBTOTAL PAC BUDGET AUTHORITY	451	394	1,576,899	0	0	0	0	451	394	1,576,899	(27)	(26)	69,774	424	368	1,646,673
TRANSFERS																
Transfer from DOC Nonrecurring Expenses Fund	0	0	(44,000)	0	0	0	44,000	0	0	0	0	0	0	0	0	0
Total PAC Transfers	0	0	(44,000)	0	0	0	44,000	0	0	0	0	0	0	0	0	0
SUBTOTAL PAC APPROPRIATION	451	394	1,532,899	0	0	0	44,000	451	394	1,576,899	(27)	(26)	69,774	424	368	1,646,673

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

OTHER ACCOUNTS DISCRETIONARY

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
NMFS																
Fishermen's Contingency Fund Obligations	0	0	349	0	0	0	0	0	0	349	0	0	0	0	0	349
Fishermen's Contingency Fund Budget Authority	0	0	349	0	0	0	0	0	0	349	0	0	0	0	0	349
Fishermen's Contingency Fund Appropriations	0	0	349	0	0	0	0	0	0	349	0	0	0	0	0	349
Promote and Develop Fisheries Obligations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Promote and Develop Fisheries Budget Authority	0	0	(399,644)	0	0	0	(13,890)	0	0	(413,534)	0	0	0	0	0	(413,534)
Promote and Develop Fisheries Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Coastal Salmon Recovery Fund Obligations	2	2	65,000	0	0	0	0	2	2	65,000	(2)	(2)	(65,000)	0	0	0
Pacific Coastal Salmon Recovery Fund Budget Authority	2	2	65,000	0	0	0	0	2	2	65,000	(2)	(2)	(65,000)	0	0	0
Pacific Coastal Salmon Recovery Fund Appropriation	2	2	65,000	0	0	0	0	2	2	65,000	(2)	(2)	(65,000)	0	0	0
Marine Mammal Unusual Mortality Event Fund Obligations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marine Mammal Unusual Mortality Event Fund Budget Authority	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Marine Mammal Unusual Mortality Event Fund Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisheries Disaster Assistance Fund Obligations	1	1	300	0	0	0	0	1	1	300	0	0	0	1	1	300
Fisheries Disaster Assistance Fund Budget Authority	1	1	300	0	0	0	0	1	1	300	0	0	0	1	1	300
Fisheries Disaster Assistance Fund Appropriation	1	1	300	0	0	0	0	1	1	300	0	0	0	1	1	300
Recreational Quota Entity Fund Obligations	0	0	4,000	0	0	0	0	0	0	4,000	0	0	0	0	0	4,000
Recreational Quota Entity Fund Budget Authority	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Recreational Quota Entity Fund Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal, NMFS Other Discretionary Direct Obligations	3	3	69,649	0	0	0	0	3	3	69,649	(2)	(2)	(65,000)	1	1	4,649
Subtotal, NMFS Other Discretionary Budget Authority	3	3	(333,995)	0	0	0	(13,890)	3	3	(347,885)	(2)	(2)	(65,000)	1	1	(412,885)
Subtotal, NMFS Other Discretionary Appropriation	3	3	65,649	0	0	0	0	3	3	65,649	(2)	(2)	(65,000)	1	1	649
OMAO																
Medicare Eligible Retiree Healthcare Contribution Fund Obligations	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Medicare Eligible Retiree Healthcare Contribution Fund Budget Authority	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Medicare Eligible Retiree Healthcare Contribution Fund Appropriation	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Subtotal, OMAO Other Discretionary Direct Obligations	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Subtotal, OMAO Other Discretionary Budget Authority	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
Subtotal, OMAO Other Discretionary Appropriation	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
TOTAL, OTHER DISCRETIONARY DIRECT OBLIGATIONS	3	3	72,324	0	0	0	(146)	3	3	72,178	(2)	(2)	(65,000)	1	1	7,178
TOTAL, OTHER DISCRETIONARY BUDGET AUTHORITY	3	3	(331,320)	0	0	0	(14,036)	3	3	(345,356)	(2)	(2)	(65,000)	1	1	(410,356)
TOTAL, OTHER DISCRETIONARY APPROPRIATION	3	3	68,324	0	0	0	(146)	3	3	68,178	(2)	(2)	(65,000)	1	1	3,178

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

GRAND TOTAL SUMMARY DISCRETIONARY APPROPRIATIONS

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
Operations, Research, and Facilities	11,271	10,629	4,033,392	(52)	(37)	68,123	439,946	11,219	10,592	4,541,461	(1,640)	(1,452)	(1,650,488)	9,579	9,140	2,890,973
Procurement, Acquisition, and Construction	451	394	1,532,899	0	0	0	44,000	451	394	1,576,899	(27)	(26)	69,774	424	368	1,646,673
Fisherman's Contingency Fund	0	0	349	0	0	0	0	0	0	349	0	0	0	0	0	349
Pacific Coastal Salmon Recovery Fund	2	2	65,000	0	0	0	0	2	2	65,000	(2)	(2)	(65,000)	0	0	0
Fisheries Disaster Assistance Fund	1	1	300	0	0	0	0	1	1	300	0	0	0	1	1	300
Marine Mammal Unusual Mortality Event Fund	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Medicare Eligible Retiree Health Care Fund	0	0	2,675	0	0	0	(146)	0	0	2,529	0	0	0	0	0	2,529
GRAND TOTAL DISCRETIONARY APPROPRIATION	11,725	11,026	5,634,615	(52)	(37)	68,123	483,800	11,673	10,989	6,186,538	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,540,824

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

SUMMARY OF DISCRETIONARY RESOURCES

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
<u>Direct Discretionary Obligations</u>																
ORF Direct Obligations	11,271	10,629	4,968,036	(52)	(37)	68,123	(53,164)	11,219	10,592	4,982,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,332,507
PAC Direct Obligations	451	394	1,589,899	0	0	0	0	451	394	1,589,899	(27)	(26)	69,774	424	368	1,659,673
OTHER Direct Obligations	3	3	72,324	0	0	0	(146)	3	3	72,178	(2)	(2)	(65,000)	1	1	7,178
TOTAL Direct Discretionary Obligations	11,725	11,026	6,630,259	(52)	(37)	68,123	(53,310)	11,673	10,989	6,645,072	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,999,358
<u>Discretionary Budget Authority</u>																
ORF Budget Authority	11,271	10,629	4,940,036	(52)	(37)	68,123	(128,164)	11,219	10,592	4,879,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,229,507
PAC Budget Authority	451	394	1,576,899	0	0	0	0	451	394	1,576,899	(27)	(26)	69,774	424	368	1,646,673
OTHER Budget Authority	3	3	(331,320)	0	0	0	(14,036)	3	3	(345,356)	(2)	(2)	(65,000)	1	1	(410,356)
TOTAL Discretionary Budget Authority	11,725	11,026	6,185,615	(52)	(37)	68,123	(142,200)	11,673	10,989	6,111,538	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,465,824
<u>Discretionary Appropriations</u>																
ORF Appropriation	11,271	10,629	4,033,392	(52)	(37)	68,123	439,946	11,219	10,592	4,541,461	(1,640)	(1,452)	(1,650,488)	9,579	9,140	2,890,973
PAC Appropriation	451	394	1,532,899	0	0	0	44,000	451	394	1,576,899	(27)	(26)	69,774	424	368	1,646,673
OTHER Appropriation	3	3	68,324	0	0	0	(146)	3	3	68,178	(2)	(2)	(65,000)	1	1	3,178
TOTAL Discretionary Appropriation	11,725	11,026	5,634,615	(52)	(37)	68,123	483,800	11,673	10,989	6,186,538	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,540,824
Fisheries Finance Offsetting Receipts	0	0	(12,000)	0	0	0	2,683	0	0	(9,317)	0	0	0	0	0	(9,317)
Net Budget Authority	11,725	11,026	6,173,615	(52)	(37)	68,123	(139,517)	11,673	10,989	6,102,221	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,456,507
Net Appropriation	11,725	11,026	5,622,615	(52)	(37)	68,123	486,483	11,673	10,989	6,177,221	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,531,507

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CONTROL TABLE
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Exhibit 4B

OTHER ACCOUNTS MANDATORY

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
NOS																
Damage Assessment and Restoration Revolving Fund Obligations	36	35	107,878	0	0	0	(89,878)	36	35	18,000	0	0	0	36	35	18,000
Damage Assessment and Restoration Revolving Fund Budget Authority	36	35	7,878	0	0	0	122	36	35	8,000	0	0	0	36	35	8,000
Damage Assessment and Restoration Revolving Fund Appropriation	36	35	0	0	0	0	0	36	35	0	0	0	0	36	35	0
Sanctuaries Enforcement Asset Forfeiture Fund Obligations	0	0	1,251	0	0	0	(601)	0	0	650	0	0	0	0	0	650
Sanctuaries Enforcement Asset Forfeiture Fund Budget Authority	0	0	1,241	0	0	0	(601)	0	0	640	0	0	0	0	0	640
Sanctuaries Enforcement Asset Forfeiture Fund Appropriation	0	0	1,300	0	0	0	(700)	0	0	600	0	0	0	0	0	600
Gulf Coast Ecosystem Restoration Fund Obligations	0	0	12,783	0	0	0	617	0	0	13,400	0	0	0	0	0	13,400
Gulf Coast Ecosystem Restoration Fund Budget Authority	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Gulf Coast Ecosystem Restoration Fund Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal, NOS Other Mandatory Direct Obligations	36	35	121,912	0	0	0	(89,862)	36	35	32,050	0	0	0	36	35	32,050
Subtotal, NOS Other Mandatory Budget Authority	36	35	9,119	0	0	0	(479)	36	35	8,640	0	0	0	36	35	8,640
Subtotal, NOS Other Mandatory Appropriation	36	35	1,300	0	0	0	(700)	36	35	600	0	0	0	36	35	600
NMFS																
Promote and Develop Fisheries Obligations	0	0	10,000	0	0	0	(10,000)	0	0	0	0	0	0	0	0	0
Promote and Develop Fisheries Budget Authority	0	0	409,644	0	0	0	3,890	0	0	413,534	0	0	0	0	0	413,534
Promote and Develop Fisheries Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisheries Finance Program Account Obligations	0	0	3,507	0	0	0	(3,507)	0	0	0	0	0	0	0	0	0
Fisheries Finance Program Account Budget Authority	0	0	3,507	0	0	0	(3,507)	0	0	0	0	0	0	0	0	0
Fisheries Finance Program Account Appropriation	0	0	3,507	0	0	0	(3,507)	0	0	0	0	0	0	0	0	0
Environmental Improvement & Restoration Fund Obligations	0	0	9,063	0	0	0	1,615	0	0	10,678	0	0	0	0	0	10,678
Environmental Improvement & Restoration Fund Budget Authority	0	0	9,063	0	0	0	1,615	0	0	10,678	0	0	0	0	0	10,678
Environmental Improvement & Restoration Fund Appropriation	0	0	9,611	0	0	0	1,712	0	0	11,323	0	0	0	0	0	11,323
Limited Access System Administration Fund Obligations	40	35	16,591	0	0	0	211	40	35	16,802	0	0	0	40	35	16,802
Limited Access System Administration Fund Budget Authority	40	35	16,591	0	0	0	211	40	35	16,802	0	0	0	40	35	16,802
Limited Access System Administration Fund Appropriation	40	35	16,720	0	0	0	87	40	35	16,807	0	0	0	40	35	16,807
Western Pacific Sustainable Fisheries Fund Obligations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Pacific Sustainable Fisheries Fund Budget Authority	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Western Pacific Sustainable Fisheries Fund Appropriation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fisheries Enforcement Asset Forfeiture Fund Obligations	0	0	2,533	0	0	0	14	0	0	2,547	0	0	0	0	0	2,547
Fisheries Enforcement Asset Forfeiture Fund Budget Authority	0	0	2,533	0	0	0	14	0	0	2,547	0	0	0	0	0	2,547
Fisheries Enforcement Asset Forfeiture Fund Appropriation	0	0	2,547	0	0	0	0	0	0	2,547	0	0	0	0	0	2,547

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

North Pacific Observer Fund Obligations	0	0	4,935	0	0	0	65	0	0	5,000	0	0	0	0	0	5,000
North Pacific Observer Fund Budget Authority	0	0	4,935	0	0	0	65	0	0	5,000	0	0	0	0	0	5,000
North Pacific Observer Fund Appropriation	0	0	5,000	0	0	0	0	0	0	5,000	0	0	0	0	0	5,000
Seafood Inspection Program Trust Fund	128	114	12,882	0	0	0	8,580	128	114	21,462	0	0	0	128	114	21,462
Seafood Inspection Program Trust Fund	128	114	0	0	0	0	0	128	114	0	0	0	0	128	114	0
Seafood Inspection Program Trust Fund	128	114	0	0	0	0	0	128	114	0	0	0	0	128	114	0
Subtotal, NMFS Other Mandatory Direct Obligations	168	149	59,511	0	0	0	(3,022)	168	149	56,489	0	0	0	168	149	56,489
Subtotal, NMFS Other Mandatory Budget Authority	168	149	446,273	0	0	0	2,288	168	149	448,561	0	0	0	168	149	448,561
Subtotal, NMFS Other Mandatory Appropriation	168	149	37,385	0	0	0	(1,708)	168	149	35,677	0	0	0	168	149	35,677
OMAO																
NOAA Corps Commissioned Officers Retirement Obligations	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
NOAA Corps Commissioned Officers Retirement Budget Authority	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
NOAA Corps Commissioned Officers Retirement Appropriation	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
Subtotal, OMAO Other Mandatory Direct Obligations	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
Subtotal, OMAO Other Mandatory Budget Authority	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
Subtotal, OMAO Other Mandatory Appropriation	0	0	39,617	0	0	0	0	0	0	39,617	0	0	0	0	0	39,617
TOTAL, OTHER MANDATORY DIRECT OBLIGATIONS	204	184	221,040	0	0	0	(92,884)	204	184	128,156	0	0	0	204	184	128,156
TOTAL, OTHER MANDATORY BUDGET AUTHORITY	204	184	495,009	0	0	0	1,809	204	184	496,818	0	0	0	204	184	496,818
TOTAL, OTHER MANDATORY APPROPRIATION	204	184	78,302	0	0	0	(2,408)	204	184	75,894	0	0	0	204	184	75,894

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

NOAA SUMMARY

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
TOTAL Direct Obligations (Discretionary & Mandatory)	11,929	11,210	6,851,299	(52)	(37)	68,123	(146,194)	11,877	11,173	6,773,228	(1,669)	(1,480)	(1,645,714)	10,208	9,693	5,127,514
TOTAL Budget Authority (Discretionary & Mandatory)	11,929	11,210	6,680,624	(52)	(37)	68,123	(140,391)	11,877	11,173	6,608,356	(1,669)	(1,480)	(1,645,714)	10,208	9,693	4,962,642
TOTAL Appropriation (Discretionary & Mandatory)	11,929	11,210	5,712,917	(52)	(37)	68,123	481,392	11,877	11,173	6,262,432	(1,669)	(1,480)	(1,645,714)	10,208	9,693	4,616,718
Reimbursable Financing	355	322	427,815	(13)	(13)	0	(185,815)	342	309	242,000	0	0	0	342	309	242,000
TOTAL OBLIGATIONS (Direct & Reimbursable)	12,284	11,532	7,279,114	(65)	(50)	68,123	(332,009)	12,219	11,482	7,015,228	(1,669)	(1,480)	(1,645,714)	10,550	10,002	5,369,514
Fisheries Finance Offsetting Receipts	0	0	(12,000)	0	0	0	2,683	0	0	(9,317)	0	0	0	0	0	(9,317)
TOTAL OBLIGATIONS (Direct, Reimbursable & Offsetting Receipts)	12,284	11,532	7,267,114	(65)	(50)	68,123	(329,326)	12,219	11,482	7,005,911	(1,669)	(1,480)	(1,645,714)	10,550	10,002	5,360,197

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

LINE OFFICE SUMMARY

FY 2027 Proposed Operating Plan	POS	FTE	FY 2026 Enacted	POS	FTE	FY 2027 Calculated ATBs	FY 2027 Technical ATBs	POS	FTE	FY 2027 Base	POS	FTE	FY 2027 Program Changes	POS	FTE	FY 2027 Estimate
National Ocean Service																
ORF	970	918	708,752	84	72	5,542	117,108	1,054	990	831,402	(117)	(111)	(500,462)	937	879	330,940
PAC	0	0	12,500	0	0	0	0	0	0	12,500	0	0	(12,500)	0	0	0
OTHER	36	35	121,912	0	0	0	(89,862)	36	35	32,050	0	0	0	36	35	32,050
TOTAL, NOS	1,006	953	843,164	84	72	5,542	27,246	1,090	1,025	875,952	(117)	(111)	(512,962)	973	914	362,990
National Marine Fisheries Service																
ORF	2,563	2,289	1,169,040	0	0	11,120	0	2,563	2,289	1,180,160	(695)	(633)	(472,833)	1,868	1,656	707,327
PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	171	152	129,160	0	0	0	(3,022)	171	152	126,138	(2)	(2)	(65,000)	169	150	61,138
TOTAL, NMFS	2,734	2,441	1,298,200	0	0	11,120	(3,022)	2,734	2,441	1,306,298	(697)	(635)	(537,833)	2,037	1,806	768,465
Oceanic and Atmospheric Research																
ORF	837	751	604,691	(101)	(87)	4,141	(135,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0
PAC	4	4	45,000	(4)	(4)	0	(45,000)	0	0	0	0	0	0	0	0	0
TOTAL, OAR	841	755	649,691	(105)	(91)	4,141	(180,444)	736	664	473,388	(736)	(664)	(473,388)	0	0	0
National Weather Service																
ORF	4,439	4,319	1,360,348	17	15	13,627	18,336	4,456	4,334	1,392,311	0	0	(24,163)	4,456	4,334	1,368,148
PAC	34	34	104,200	4	4	0	45,000	38	38	149,200	5	4	(13,000)	43	42	136,200
TOTAL, NWS	4,473	4,353	1,464,548	21	19	13,627	63,336	4,494	4,372	1,541,511	5	4	(37,163)	4,499	4,376	1,504,348
National Environmental Satellite, Data and Information Service																
ORF	584	476	397,875	0	0	5,387	0	584	476	403,262	0	0	(82,262)	584	476	321,000
PAC	363	318	1,268,199	0	0	0	0	363	318	1,268,199	(25)	(25)	(12,726)	338	293	1,255,473
TOTAL, NESDIS	947	794	1,666,074	0	0	5,387	0	947	794	1,671,461	(25)	(25)	(94,988)	922	769	1,576,473
Mission Support																
ORF	763	673	366,131	(45)	(30)	21,151	(53,164)	718	643	334,118	(74)	(26)	(61,242)	644	617	272,876
PAC	7	7	60,000	0	0	0	0	7	7	60,000	0	0	(20,000)	7	7	40,000
OTHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL, Mission Support	770	680	426,131	(45)	(30)	21,151	(53,164)	725	650	394,118	(74)	(26)	(81,242)	651	624	312,876
Office of Marine and Aviation Operations																
ORF	1,115	1,203	361,199	(7)	(7)	7,155	0	1,108	1,196	368,354	(18)	(18)	(36,138)	1,090	1,178	332,216
PAC	43	31	100,000	0	0	0	0	43	31	100,000	(7)	(5)	128,000	36	26	228,000
OTHER	0	0	42,292	0	0	0	(146)	0	0	42,146	0	0	0	0	0	42,146
TOTAL, OMAO	1,158	1,234	503,491	(7)	(7)	7,155	(146)	1,151	1,227	510,500	(25)	(23)	91,862	1,126	1,204	602,362

Department of Commerce
National Oceanic and Atmospheric Administration
CONTROL TABLE
(Dollar amounts in thousands)

Exhibit 4B

DIRECT OBLIGATIONS																
ORF	11,271	10,629	4,968,036	(52)	(37)	68,123	(53,164)	11,219	10,592	4,982,995	(1,640)	(1,452)	(1,650,488)	9,579	9,140	3,332,507
PAC	451	394	1,589,899	0	0	0	0	451	394	1,589,899	(27)	(26)	69,774	424	368	1,659,673
OTHER	207	187	293,364	0	0	0	(93,030)	207	187	200,334	(2)	(2)	(65,000)	205	185	135,334
TOTAL, DIRECT OBLIGATIONS	11,929	11,210	6,851,299	(52)	(37)	68,123	(146,194)	11,877	11,173	6,773,228	(1,669)	(1,480)	(1,645,714)	10,208	9,693	5,127,514
ORF Adjustments (Deobligations/Rescissions)	0	0	(28,000)	0	0	0	(75,000)	0	0	(103,000)	0	0	0	0	0	(103,000)
ORF Transfers	0	0	(906,644)	0	0	0	568,110	0	0	(338,534)	0	0	0	0	0	(338,534)
PAC Adjustments (Deobligations/Rescissions)	0	0	(13,000)	0	0	0	0	0	0	(13,000)	0	0	0	0	0	(13,000)
PAC Transfers	0	0	(44,000)	0	0	0	44,000	0	0	0	0	0	0	0	0	0
OTHER Discretionary Adjustments	0	0	(4,000)	0	0	0	0	0	0	(4,000)	0	0	0	0	0	(4,000)
Mandatory Accounts Excluded	(204)	(184)	(221,040)	0	0	0	92,884	(204)	(184)	(128,156)	0	0	0	(204)	(184)	(128,156)
TOTAL, DISCRETIONARY APPROPRIATIONS	11,725	11,026	5,634,615	(52)	(37)	68,123	483,800	11,673	10,989	6,186,538	(1,669)	(1,480)	(1,645,714)	10,004	9,509	4,540,824

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2026	11,271	10,629	4,940,036	4,968,036
Plus: Inflationary adjustments to base	0	0	68,123	68,123
Plus: Technical adjustments to base	(52)	(37)	(128,164)	(53,164)
2027 Base	11,219	10,592	4,879,995	4,982,995
Plus: 2027 Program Changes	(1,640)	(1,452)	(1,650,488)	(1,650,488)
2027 Estimate	9,579	9,140	3,229,507	3,332,507

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
Comparison by program		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
National Ocean Service	Pos/BA	966	969,265	970	708,752	1,054	831,402	937	330,940	(117)	(500,462)
	FTE/Obl	1,032	975,955	918	708,752	990	831,402	879	330,940	(111)	(500,462)
National Marine Fisheries Service	Pos/BA	2,380	1,256,829	2,563	1,169,040	2,563	1,180,160	1,868	707,327	(695)	(472,833)
	FTE/Obl	2,557	1,249,644	2,289	1,169,040	2,289	1,180,160	1,656	707,327	(633)	(472,833)
Oceanic and Atmospheric Research	Pos/BA	585	632,718	837	604,691	736	473,388	0	0	(736)	(473,388)
	FTE/Obl	766	655,762	751	604,691	664	473,388	0	0	(664)	(473,388)
National Weather Service	Pos/BA	3,804	1,376,014	4,439	1,360,348	4,456	1,392,311	4,456	1,368,148	0	(24,163)
	FTE/Obl	3,881	1,288,302	4,319	1,360,348	4,334	1,392,311	4,334	1,368,148	0	(24,163)
National Environmental Satellite, Data, & Info Service	Pos/BA	442	384,071	584	397,875	584	403,262	584	321,000	0	(82,262)
	FTE/Obl	455	387,145	476	397,875	476	403,262	476	321,000	0	(82,262)
Mission Support	Pos/BA	706	364,711	763	366,131	718	334,118	644	272,876	(74)	(61,242)
	FTE/Obl	609	376,051	673	366,131	643	334,118	617	272,876	(26)	(61,242)
Office of Marine & Aviation Operations	Pos/BA	984	371,202	1,115	361,199	1,108	368,354	1,090	332,216	(18)	(36,138)
	FTE/Obl	1,111	360,910	1,203	361,199	1,196	368,354	1,178	332,216	(18)	(36,138)
Undistributed ORF	Pos/BA	0	41,298	0	0	0	0	0	0	0	0
	FTE/Obl	0	0	0	0	0	0	0	0	0	0
ORF Financing	Pos/BA	0	0	0	(28,000)	0	(103,000)	0	(103,000)	0	0
	FTE/Obl	0	0	0	0	0	0	0	0	0	0
Total	Pos/BA	9,867	5,396,108	11,271	4,940,036	11,219	4,879,995	9,579	3,229,507	(1,640)	(1,650,488)
	FTE/Obl	10,411	5,293,769	10,629	4,968,036	10,592	4,982,995	9,140	3,332,507	(1,452)	(1,650,488)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	10,411	5,293,769	10,629	4,968,036	10,592	4,982,995	9,140	3,332,507	(1,452)	(1,650,488)
Total Obligations	10,411	5,293,769	10,629	4,968,036	10,592	4,982,995	9,140	3,332,507	(1,452)	(1,650,488)
Adjustments to Obligations:										
Deobligations	0	(58,367)	0	(28,000)	0	(28,000)	0	(28,000)	0	0
Unobligated Balance, SOY	0	(683,354)	0	0	0	0	0	0	0	0
Unobligated Balance, Expiring	0	29,626	0	0	0	0	0	0	0	0
Unobligated Balance, EOY	0	815,421	0	0	0	0	0	0	0	0
Unobligated Balance, Transferred	0	(987)	0	0	0	0	0	0	0	0
Unobligated Balance, not apportioned	0	0	0	0	0	0	0	0	0	0
Collections	0	0	0	0	0	0	0	0	0	0
Rescission	0	0	0	0	0	(75,000)	0	(75,000)	0	0
Total Budget Authority	10,411	5,396,108	10,629	4,940,036	10,592	4,879,995	9,140	3,229,507	(1,452)	(1,650,488)
Financing from Transfers and Other:										
Transfer from ORF to PAC	0	105,000	0	0	0	0	0	0	0	0
Transfer from PAC to ORF	0	(2,118)	0	0	0	0	0	0	0	0
Transfer from FDAF		(300)		0						
Transfer from P&D to ORF	0	(347,121)	0	(399,644)	0	(413,534)	0	(413,534)	0	0
Transfer from ORF to BIS	0	19,100	0	(507,000)	0	0	0	0	0	0
Transfer from PCSRF to ORF	0	(100)	0	0	0	0	0	0	0	0
Transfer from USDA to ORF	0	(2,000)	0	0	0	0	0	0	0	0
Rescission	0	0	0	0	0	75,000	0	75,000	0	0
Net Appropriation	10,411	5,168,569	10,629	4,033,392	10,592	4,541,461	9,140	2,890,973	(1,452)	(1,650,488)

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Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF REIMBURSABLE OBLIGATIONS
(Dollar Amounts in Thousands)

Comparison by program		FY 2025 Actual		FY 2026 Enacted		FY 2027 Base Program		FY 2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
National Ocean Service	Pos./BA	5	31,195	14	25,023	14	23,000	14	23,000	0	0
	FTE/Obl	7	17,776	7	25,023	7	23,000	7	23,000	0	0
National Marine Fisheries Service	Pos./BA	111	44,105	131	78,686	131	51,000	131	51,000	0	0
	FTE/Obl	48	29,571	116	78,686	116	51,000	116	51,000	0	0
Oceanic and Atmospheric Research	Pos./BA	13	36,811	13	137,203	0	0	0	0	0	0
	FTE/Obl	21	47,275	13	137,203	0	0	0	0	0	0
National Weather Service	Pos./BA	161	87,285	161	88,335	161	101,000	161	101,000	0	0
	FTE/Obl	205	86,597	150	88,335	150	101,000	150	101,000	0	0
National Environmental Satellite, Data, and Information Service	Pos./BA	16	65,237	16	66,964	16	49,000	16	49,000	0	0
	FTE/Obl	26	59,161	16	66,964	16	49,000	16	49,000	0	0
Mission Support	Pos./BA	20	39,204	20	31,104	20	17,000	20	17,000	0	0
	FTE/Obl	15	12,678	20	31,104	20	17,000	20	17,000	0	0
Office of Marine and Aviation Operations	Pos./BA	0	0	0	500	0	0	0	0	0	0
	FTE/Obl	0	5	0	500	0	0	0	0	0	0
NOAA Wide Support Services	Pos./BA	0	6	0	0	0	1,000	0	1,000	0	0
	FTE/Obl	0	0	0	0	0	1,000	0	1,000	0	0
Total	Pos./BA	326	303,843	355	427,815	342	242,000	342	242,000	0	0
	FTE/Obl	322	253,063	322	427,815	309	242,000	309	242,000	0	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF FINANCING
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Direct Discretionary Obligation	5,293,769	4,968,036	4,982,995	3,332,507	(1,650,488)
Direct Mandatory Obligation	347,976	48,308	47,010	47,010	0
Reimbursable Obligation	253,063	427,815	242,000	242,000	0
Total Obligations	5,894,808	5,444,159	5,272,005	3,621,517	(1,650,488)
Adjustments to Obligations:					
Federal funds	(331,528)	(344,303)	(194,760)	(194,760)	0
Non-federal Sources	(22,149)	(83,512)	(47,240)	(47,240)	0
Change Uncollected Customer Pmts from Fed. Sources	49,834	0	0	0	0
Deobligation/Recoveries (Direct Disc.)	(58,367)	(28,000)	(28,000)	(28,000)	0
Deobligation/Recoveries (Mand.)	(7,587)	0	0	0	0
Deobligation/Recoveries (Reimbursable)	(4,814)	0	0	0	0
Other balances withdrawn	890	0	0	0	0
Unobligated balance transferred	(987)	0	0	0	0
Unobligated balance adjusted, SOY (Direct Disc.)	(683,354)	(815,421)	(815,421)	(815,421)	0
Unobligated balance, Expiring (Direct Disc)	29,626	0	0	0	0
Unobligated balance, EOY (Direct Disc.)	815,421	815,421	815,421	815,421	0
Unobligated balance adjusted, SOY (Mand.)	(407,880)	(38,261)	(29,570)	(29,570)	0
Unobligated balance, EOY (Mand.)	38,261	29,570	22,177	22,177	0
Unobligated balance, SOY Reimbursable	(130,994)	(186,587)	(186,587)	(186,587)	0
Unobligated balance, EOY Reimbursable	186,587	186,587	186,587	186,587	0
Rescission	0	0	(81,272)	(81,272)	0
Total Budget Authority	5,367,767	4,979,653	4,913,340	3,262,852	(1,650,488)
Financing from Transfers and Other:					
Transfer from ORF to PAC	105,000	0	0	0	0
Transfer from PAC to ORF	(2,118)	0	0	0	0
Transfer from P&D to ORF	(347,121)	(399,644)	(413,534)	(413,534)	0
Transfer from PCSRF to ORF	(100)	0	0	0	0
NOAA Corps Retirement Pay (Mand)	(37,654)	(39,617)	(39,617)	(39,617)	0
Spectrum Relocation Fund (Mand)	(20,251)	0	0	0	0
Transfer from FDAF to ORF	(300)	0	0	0	0
Transfer from USDA to ORF	(2,000)	0	0	0	0
Transfer from ORF to BIS	19,100	0	0	0	0
Transfer from IJJA	0	(507,000)	0	0	0
Rescission	86,245	0	81,272	81,272	0
Net Appropriation	5,168,568	4,033,392	4,541,461	2,890,973	(1,650,488)

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Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
ADJUSTMENTS TO BASE
(Dollar amounts in thousands)

	FTE	Amount
Rescission		(75,000)
Transfer	(30)	(53,164)
Adjustment	(7)	28,000
Financing		(28,000)
Other Changes		
2026 Pay raise		5,207
2027 Pay raise		1,044
Full-year cost in 2027 of positions financed for part-year in 2026		0
Awards		0
NOAA Corps Allowances		587
Change in compensable days		0
Civil Service Retirement System (CSRS)		(293)
Federal Employee Retirement System (FERS)		(7,678)
Thrift Savings Plan		(816)
Federal Insurance Contribution Act (FICA) - OASDI		1,005
Health Insurance		14,628
TriCare		330
Employees Compensation Fund		(30)
Travel:		
Mileage		17
Per Diem		343
Rental payments to GSA		2,651
GSA Furniture and IT (FIT) Program		(18)
Postage		0
Working Capital Fund, Departmental Management		16,069
Cybersecurity (Non-Add in WCF)		19,328
NARA Storage & Maintenance		7
General Pricing Level Adjustment		30,965
Office of Human Resource Management PAR, PAY, and Benefits		1,125
HCHB Utilities		0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
ADJUSTMENTS TO BASE
(Dollar amounts in thousands)

Federal Protective Service	17,355	
Federal Protective Service Adjustment	(16,241)	
Grants	945	
Ship and Aircraft Fuel Costs	922	
Subtotal, other changes*	<u>68,123</u>	
Total, adjustments to base	(37)	(60,041)

*Does not add due to rounding.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	1,410,687	1,414,902	1,414,104	1,214,723	(199,381)
11.3	Other than full-time permanent	5,807	6,019	6,035	4,246	(1,789)
11.5	Other personnel compensation	79,650	83,016	82,890	77,144	(5,746)
11.7	Military Personnel	50,453	53,074	54,986	52,410	(2,576)
11.9	Total personnel compensation	1,546,598	1,557,011	1,558,015	1,348,523	(209,492)
12.1	Civilian personnel benefits	550,354	553,024	559,460	481,194	(78,266)
12.2	Military personnel benefits	9,115	9,643	10,099	9,819	(280)
13	Benefits for former personnel	58,429	61,671	61,671	58,995	(2,676)
21	Travel and transportation of persons	46,824	46,000	45,952	30,445	(15,507)
22	Transportation of things	10,590	10,979	11,164	8,359	(2,805)
23.1	Rental payments to GSA	116,908	118,079	120,341	96,366	(23,975)
23.2	Rental payments to others	28,024	29,088	29,700	23,005	(6,695)
23.3	Communications, utilities, and misc. charges	89,172	85,351	86,600	73,889	(12,711)
24	Printing and reproduction	3,526	3,578	3,651	2,467	(1,184)
25.1	Advisory and assistance services	436,996	376,058	380,438	274,738	(105,700)
25.2	Other services from non-Federal sources	838,900	809,166	824,269	519,967	(304,302)
25.3	Other goods and services from Federal sources	195,248	162,227	139,948	115,851	(24,097)
25.4	Operation and maintenance of facilities	158	163	167	76	(91)
25.5	Research and development contracts	24,089	19,351	19,758	9,653	(10,105)
25.7	Operation and maintenance of equipment	632	672	677	631	(46)
26	Supplies and materials	89,224	83,379	85,746	64,466	(21,280)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	28,586	27,031	27,542	20,199	(7,343)
32	Lands and structures	49	50	39	9	(30)
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	1,568,300	1,063,800	1,064,745	240,844	(823,901)
42	Insurance claims and indemnities	9	10	10	8	(2)
43	Interest and dividends	3	2	2	2	0
44	Refunds	11	11	11	11	0
99.9	Total obligations	5,641,745	5,016,344	5,030,005	3,379,517	(1,650,488)
	Less Mandatory Obligations	(347,976)	(48,308)	(47,010)	(47,010)	0
	Total Discretionary Obligations	5,293,769	4,968,036	4,982,995	3,332,507	(1,650,488)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	10,411	10,629	10,592	9,140	(1,452)
	Other than full-time permanent	0	0	0	0	0
	Total	10,411	10,629	10,592	9,140	(1,452)
	Authorized Positions:					
	Full-time permanent	9,867	11,271	11,219	9,579	(1,640)
	Other than full-time permanent	0	0	0	0	0
	Total	9,867	11,271	11,219	9,579	(1,640)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Ocean Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	162,275	143,010	153,462	136,617	(16,845)
11.3	Other than full-time permanent	507	509	559	559	0
11.5	Other personnel compensation	5,099	4,961	5,228	4,909	(319)
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	167,881	148,480	159,249	142,085	(17,164)
12.1	Civilian personnel benefits	60,956	53,770	58,277	53,264	(5,013)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	3,310	3,487	3,487	2,602	(885)
21	Travel and transportation of persons	5,263	4,857	5,715	1,408	(4,307)
22	Transportation of things	349	362	925	211	(714)
23.1	Rental payments to GSA	13,872	14,624	15,558	13,566	(1,992)
23.2	Rental payments to others	929	903	935	841	(94)
23.3	Communications, utilities, and misc. charges	3,179	3,351	7,034	2,395	(4,639)
24	Printing and reproduction	549	579	629	149	(480)
25.1	Advisory and assistance services	68,435	56,776	67,719	38,095	(29,624)
25.2	Other services from non-Federal sources	114,367	114,879	119,613	48,680	(70,933)
25.3	Other goods and services from Federal sources	4,042	4,179	6,365	3,369	(2,996)
25.4	Operation and maintenance of facilities	40	42	43	38	(5)
25.5	Research and development contracts	1,019	1,074	1,091	93	(998)
25.7	Operation and maintenance of equipment	2	2	2	2	0
26	Supplies and materials	4,371	4,157	8,992	3,533	(5,459)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Ocean Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	2,251	1,908	2,674	1,225	(1,449)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	631,219	295,322	373,094	19,384	(353,710)
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	1,082,035	708,752	831,402	330,940	(500,462)
	Less Mandatory Obligations	(106,080)	0	0	0	0
	Total Discretionary Obligations	975,955	708,752	831,402	330,940	(500,462)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	1,032	918	990	879	(111)
	Other than full-time permanent	0	0	0	0	0
	Total	1,032	918	990	879	(111)
	Authorized Positions:					
	Full-time permanent	966	970	1,054	937	(117)
	Other than full-time permanent	0	0	0	0	0
	Total	966	970	1,054	937	(117)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Marine Fisheries Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	376,452	328,195	329,241	257,607	(71,634)
11.3	Other than full-time permanent	2,433	2,269	2,276	1,670	(606)
11.5	Other personnel compensation	11,662	11,505	11,505	9,741	(1,764)
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	390,548	341,969	343,022	269,018	(74,004)
12.1	Civilian personnel benefits	149,453	130,709	132,927	100,820	(32,107)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	7,357	7,285	7,285	7,174	(111)
21	Travel and transportation of persons	11,052	10,749	10,834	5,115	(5,719)
22	Transportation of things	1,332	1,281	1,310	848	(462)
23.1	Rental payments to GSA	25,713	26,279	26,862	15,461	(11,401)
23.2	Rental payments to others	3,207	3,278	3,348	2,011	(1,337)
23.3	Communications, utilities, and misc. charges	18,867	15,518	15,792	8,125	(7,667)
24	Printing and reproduction	1,786	1,825	1,863	1,495	(368)
25.1	Advisory and assistance services	44,610	46,372	47,179	26,437	(20,742)
25.2	Other services from non-Federal sources	205,412	233,595	237,687	121,531	(116,156)
25.3	Other goods and services from Federal sources	14,037	13,886	14,358	6,681	(7,677)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	5,281	10	99	91	(8)
25.7	Operation and maintenance of equipment	31	32	33	17	(16)
26	Supplies and materials	13,589	10,594	10,823	5,581	(5,242)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Marine Fisheries Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	6,802	5,384	5,519	2,762	(2,757)
32	Lands and structures	49	50	50	20	(30)
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	492,080	320,214	321,159	134,132	(187,027)
42	Insurance claims and indemnities	9	10	10	8	(2)
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99.9	Total obligations	1,391,216	1,169,040	1,180,160	707,327	(472,833)
	Less Mandatory Obligations	(141,572)	0	0	0	0
	Total Discretionary Obligations	1,249,644	1,169,040	1,180,160	707,327	(472,833)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	2,557	2,289	2,289	1,656	(633)
	Other than full-time permanent	0	0	0	0	0
	Total	2,557	2,289	2,289	1,656	(633)
Authorized Positions:						
	Full-time permanent	2,380	2,563	2,563	1,868	(695)
	Other than full-time permanent	0	0	0	0	0
	Total	2,380	2,563	2,563	1,868	(695)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Office of Oceanic and Atmospheric Research
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	122,184	119,084	106,648	0	(106,648)
11.3	Other than full-time permanent	1,383	1,228	1,183	0	(1,183)
11.5	Other personnel compensation	3,856	3,833	3,531	0	(3,531)
11.7	Military Personnel	(20)	0	0	0	0
11.9	Total personnel compensation	127,402	124,145	111,362	0	(111,362)
12.1	Civilian personnel benefits	44,654	43,540	39,642	0	(39,642)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	1,737	1,671	1,671	0	(1,671)
21	Travel and transportation of persons	4,408	4,226	3,348	0	(3,348)
22	Transportation of things	1,438	1,412	888	0	(888)
23.1	Rental payments to GSA	15,090	14,817	10,501	0	(10,501)
23.2	Rental payments to others	5,216	5,122	5,222	0	(5,222)
23.3	Communications, utilities, and misc. charges	6,030	5,921	930	0	(930)
24	Printing and reproduction	353	342	312	0	(312)
25.1	Advisory and assistance services	28,372	17,870	3,277	0	(3,277)
25.2	Other services from non-Federal sources	81,434	54,796	53,127	0	(53,127)
25.3	Other goods and services from Federal sources	10,426	7,076	5,213	0	(5,213)
25.4	Operation and maintenance of facilities	85	84	86	0	(86)
25.5	Research and development contracts	98	97	99	0	(99)
25.7	Operation and maintenance of equipment	27	26	27	0	(27)
26	Supplies and materials	8,460	7,507	2,839	0	(2,839)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Office of Oceanic and Atmospheric Research
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	3,667	3,361	2,705	0	(2,705)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	334,556	312,678	232,139	0	(232,139)
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	673,455	604,691	473,388	0	(473,388)
	Less Mandatory Obligations	(17,693)	0	0	0	0
	Total Discretionary Obligations	655,762	604,691	473,388	0	(473,388)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	766	751	664	0	(664)
	Other than full-time permanent	0	0	0	0	0
	Total	766	751	664	0	(664)
	Authorized Positions:					
	Full-time permanent	585	837	736	0	(736)
	Other than full-time permanent	0	0	0	0	0
	Total	585	837	736	0	(736)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Weather Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
	Object Class					
11.1	Full-time permanent compensation	508,075	569,106	573,011	573,011	0
11.3	Other than full-time permanent	962	969	972	972	0
11.5	Other personnel compensation	34,522	34,775	34,810	34,810	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	543,559	604,850	608,793	608,793	0
12.1	Civilian personnel benefits	203,993	228,533	232,421	232,421	0
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	7,054	7,771	7,771	7,771	0
21	Travel and transportation of persons	9,497	9,684	9,851	9,777	(74)
22	Transportation of things	4,181	4,606	4,697	4,697	0
23.1	Rental payments to GSA	33,719	35,147	39,951	39,951	0
23.2	Rental payments to others	10,220	11,259	11,484	11,482	(2)
23.3	Communications, utilities, and misc. charges	50,017	49,961	52,130	52,688	558
24	Printing and reproduction	55	60	61	61	0
25.1	Advisory and assistance services	125,572	94,839	102,510	97,418	(5,092)
25.2	Other services from non-Federal sources	193,135	184,983	189,668	182,336	(7,332)
25.3	Other goods and services from Federal sources	10,003	10,396	11,023	10,959	(64)
25.4	Operation and maintenance of facilities	33	37	38	38	0
25.5	Research and development contracts	220	242	246	246	0
25.7	Operation and maintenance of equipment	366	404	412	412	0
26	Supplies and materials	39,139	38,471	39,182	39,132	(50)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Weather Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	9,725	10,213	10,414	10,406	(8)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	49,333	68,891	71,658	59,559	(12,099)
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	1	1	1	1	0
44	Refunds	0	0	0	0	0
99.9	Total obligations	1,289,823	1,360,348	1,392,311	1,368,148	(24,163)
	Less Mandatory Obligations	(1,521)	0	0	0	0
	Total Discretionary Obligations	1,288,302	1,360,348	1,392,311	1,368,148	(24,163)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	3,881	4,319	4,334	4,334	0
	Other than full-time permanent	0	0	0	0	0
	Total	3,881	4,319	4,334	4,334	0
	Authorized Positions:					
	Full-time permanent	3,804	4,439	4,456	4,456	0
	Other than full-time permanent	0	0	0	0	0
	Total	3,804	4,439	4,456	4,456	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Environmental Satellite, Data, and Information Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	71,295	73,699	73,872	73,872	0
11.3	Other than full-time permanent	365	368	369	369	0
11.5	Other personnel compensation	5,011	5,049	5,049	5,049	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	76,671	79,116	79,290	79,290	0
12.1	Civilian personnel benefits	25,307	26,101	26,469	26,469	0
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	1,567	1,633	1,633	1,633	0
21	Travel and transportation of persons	1,684	1,720	1,733	1,733	0
22	Transportation of things	76	79	81	81	0
23.1	Rental payments to GSA	9,192	9,575	9,783	9,783	0
23.2	Rental payments to others	817	851	869	869	0
23.3	Communications, utilities, and misc. charges	3,871	4,033	4,089	4,089	0
24	Printing and reproduction	84	83	85	85	0
25.1	Advisory and assistance services	131,187	134,878	137,251	92,393	(44,858)
25.2	Other services from non-Federal sources	77,347	76,794	78,335	57,568	(20,767)
25.3	Other goods and services from Federal sources	14,781	15,346	15,636	15,636	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	17,014	17,467	17,754	8,754	(9,000)
25.7	Operation and maintenance of equipment	105	109	111	111	0
26	Supplies and materials	1,418	1,477	1,501	1,501	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
National Environmental Satellite, Data, and Information Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	1,460	1,521	1,550	1,550	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	30,938	27,092	27,092	19,455	(7,637)
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	393,520	397,875	403,262	321,000	(82,262)
	Less Mandatory Obligations	(6,375)	0	0	0	0
	Total Discretionary Obligations	387,145	397,875	403,262	321,000	(82,262)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	455	476	476	476	0
	Other than full-time permanent	0	0	0	0	0
	Total	455	476	476	476	0
Authorized Positions:						
	Full-time permanent	442	584	584	584	0
	Other than full-time permanent	0	0	0	0	0
	Total	442	584	584	584	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Mission Support
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	106,210	110,039	105,942	101,688	(4,254)
11.3	Other than full-time permanent	48	566	566	566	0
11.5	Other personnel compensation	(1,865)	1,476	1,350	1,218	(132)
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	104,392	112,081	107,858	103,472	(4,386)
12.1	Civilian personnel benefits	37,466	38,653	37,590	36,086	(1,504)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	2,388	2,303	2,303	2,294	(9)
21	Travel and transportation of persons	3,499	3,291	2,910	2,274	(636)
22	Transportation of things	257	253	213	152	(61)
23.1	Rental payments to GSA	15,316	13,593	13,551	13,470	(81)
23.2	Rental payments to others	1,362	1,342	1,372	1,336	(36)
23.3	Communications, utilities, and misc. charges	941	817	784	759	(25)
24	Printing and reproduction	684	674	686	668	(18)
25.1	Advisory and assistance services	19,059	8,613	5,435	3,971	(1,464)
25.2	Other services from non-Federal sources	74,877	59,418	59,298	41,424	(17,874)
25.3	Other goods and services from Federal sources	129,596	100,744	76,518	71,616	(4,902)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	6	6	6	6	0
25.7	Operation and maintenance of equipment	101	99	92	89	(3)
26	Supplies and materials	966	945	961	850	(111)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Mission Support
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	604	526	481	390	(91)
32	Lands and structures	0	0	(11)	(11)	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	21,617	31,464	31,464	1,423	(30,041)
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	413,132	374,822	341,511	280,269	(61,242)
	Less Mandatory Obligations	(37,081)	(8,691)	(7,393)	(7,393)	0
	Total Discretionary Obligations	376,051	366,131	334,118	272,876	(61,242)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	609	673	643	617	(26)
	Other than full-time permanent	0	0	0	0	0
	Total	609	673	643	617	(26)
Authorized Positions:						
	Full-time permanent	706	763	718	644	(74)
	Other than full-time permanent	0	0	0	0	0
	Total	706	763	718	644	(74)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Office of Marine and Aviation Operations
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
	Object Class					
11.1	Full-time permanent compensation	64,197	71,769	71,928	71,928	0
11.3	Other than full-time permanent	109	110	110	110	0
11.5	Other personnel compensation	21,365	21,417	21,417	21,417	0
11.7	Military Personnel	50,473	53,074	54,986	52,410	(2,576)
11.9	Total personnel compensation	136,145	146,370	148,441	145,865	(2,576)
12.1	Civilian personnel benefits	28,524	31,718	32,134	32,134	0
12.2	Military personnel benefits	9,115	9,643	10,099	9,819	(280)
13	Benefits for former personnel	35,014	37,521	37,521	37,521	0
21	Travel and transportation of persons	11,421	11,473	11,561	10,138	(1,423)
22	Transportation of things	2,957	2,986	3,050	2,370	(680)
23.1	Rental payments to GSA	4,005	4,044	4,135	4,135	0
23.2	Rental payments to others	6,272	6,333	6,470	6,466	(4)
23.3	Communications, utilities, and misc. charges	6,267	5,750	5,841	5,833	(8)
24	Printing and reproduction	15	15	15	9	(6)
25.1	Advisory and assistance services	19,760	16,710	17,067	16,424	(643)
25.2	Other services from non-Federal sources	92,328	84,701	86,541	68,428	(18,113)
25.3	Other goods and services from Federal sources	12,362	10,600	10,835	7,590	(3,245)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	450	455	463	463	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	21,282	20,228	21,448	13,869	(7,579)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Office of Marine and Aviation Operations
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	4,078	4,118	4,199	3,866	(333)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	8,556	8,139	8,139	6,891	(1,248)
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	1	1	1	1	0
44	Refunds	11	11	11	11	0
99.9	Total obligations	398,564	400,816	407,971	371,833	(36,138)
	Less Mandatory Obligations	(37,654)	(39,617)	(39,617)	(39,617)	0
	Total Discretionary Obligations	360,910	361,199	368,354	332,216	(36,138)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	1,111	1,203	1,196	1,178	(18)
	Other than full-time permanent	0	0	0	0	0
	Total	1,111	1,203	1,196	1,178	(18)
	Authorized Positions:					
	Full-time permanent	984	1,115	1,108	1,090	(18)
	Other than full-time permanent	0	0	0	0	0
	Total	984	1,115	1,108	1,090	(18)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2026	451	394	1,576,899	1,589,899
Less: Other adjustments to base	0	0	0	0
Less: Carryover	0	0	0	0
2027 Base	451	394	1,576,899	1,589,899
Plus: 2027 Program Changes	(27)	(26)	69,774	69,774
2027 Estimate	424	368	1,646,673	1,659,673

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

Comparison by activity/subactivity		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
National Ocean Service	Pos/BA	1	14,315	0	12,500	0	12,500	0	0	0	(12,500)
	FTE/OBL	0	10,520	0	12,500	0	12,500	0	0	0	(12,500)
National Marine Fisheries Service	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	3	0	0	0	0	0	0	0	0
Oceanic and Atmospheric Research	Pos/BA	3	49,022	4	45,000	0	0	0	0	0	0
	FTE/OBL	4	52,421	4	45,000	0	0	0	0	0	0
National Weather Service	Pos/BA	17	132,332	34	104,200	38	149,200	43	136,200	5	(13,000)
	FTE/OBL	32	135,036	34	104,200	38	149,200	42	136,200	4	(13,000)
National Environmental Satellite, Data, & Information Service	Pos/BA	303	1,333,521	363	1,268,199	363	1,268,199	338	1,255,473	(25)	(12,726)
	FTE/OBL	336	1,525,546	318	1,268,199	318	1,268,199	293	1,255,473	(25)	(12,726)
Mission Support	Pos/BA	3	52,520	7	60,000	7	60,000	7	40,000	0	(20,000)
	FTE/OBL	8	32,878	7	60,000	7	60,000	7	40,000	0	(20,000)
Office of Marine Aviation & Operations	Pos/BA	39	612,379	43	100,000	43	100,000	36	228,000	(7)	128,000
	FTE/OBL	36	111,215	31	100,000	31	100,000	26	228,000	(5)	128,000
Undistributed PAC	Pos/BA	0	71,658	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Other	Pos/BA	0	0	0	(13,000)	0	(13,000)	0	(13,000)	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Total	Pos/BA	366	2,265,747	451	1,576,899	451	1,576,899	424	1,646,673	(27)	69,774
	FTE/OBL	416	1,867,619	394	1,589,899	394	1,589,899	368	1,659,673	(26)	69,774

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	413	1,867,619	394	1,589,899	394	1,589,899	368	1,659,673	(26)	69,774
Total Obligations	413	1,867,619	394	1,589,899	394	1,589,899	368	1,659,673	(26)	69,774
Adjustments to Obligations:										
Deobligations	0	(217,643)	0	(13,000)	0	(13,000)	0	(13,000)	0	0
Collections	0	(4,500)	0	0	0	0	0	0	0	0
Unobligated balance, Expiring end of year	0	34,309	0	0	0	0	0	0	0	0
Unobligated Balance, EOY	0	1,223,981	0	0	0	0	0	0	0	0
Unobligated Balance Adj. SOY (start of year)	0	(638,019)	0	0	0	0	0	0	0	0
Total Budget Authority	413	2,265,747	394	1,576,899	394	1,576,899	368	1,646,673	(26)	69,774
Financing from Transfers and Other:										
Transfer from ORF to PAC	0	(105,000)	0	0	0	0	0	0	0	0
Transfer from PAC to ORF	0	2,118	0	0	0	0	0	0	0	0
Transfer from DOC Nonrecurring Expenses	0	(44,000)	0	(44,000)	0	0	0	0	0	0
Net Appropriation	413	2,118,865	394	1,532,899	394	1,576,899	368	1,646,673	(26)	69,774

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Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF FINANCING
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Direct Discretionary Obligation	1,867,619	1,589,899	1,589,899	1,659,673	69,774
Direct Mandatory Obligation	183,843	850	5,865	5,865	0
Total Obligations	2,051,462	1,590,749	1,595,764	1,665,538	69,774
Adjustments and Obligations:					
Deobligations/Recoveries (Disc)	(217,643)	(13,000)	(13,000)	(13,000)	0
Collections	(4,500)	0	0	0	0
Unobligated balance, Expiring end of year Disc	34,309	0	0	0	0
Unobligated Balance Adj. SOY Disc	(638,019)	(1,223,981)	(1,223,981)	(1,223,981)	0
Unobligated Balance, EOY Disc	1,223,981	1,223,981	1,223,981	1,223,981	0
Unobligated Balance, SOY Mandatory	(355,469)	(7,821)	(6,971)	(6,971)	0
Unobligated Balance, EOY Mandatory	7,821	6,971	1,106	1,106	0
Deobligations/Recoveries (Mand)	(67,098)	0	0	0	0
Rescission	0	0	0	0	0
Total Budget Authority	2,034,844	1,576,899	1,576,899	1,646,673	69,774
Financing from Transfers and Other:					
Transfer from PAC to ORF	2,118	0	0	0	0
Transfer from ORF to PAC	(105,000)	0	0	0	0
Transfer from DOC NEF	(44,000)	(44,000)	0	0	0
Spectrum Relocation Fund (Mand)	0	0	0	0	0
Unobligated Balance, Rescission	230,903	0	0	0	0
Net Appropriation	2,118,865	1,532,899	1,576,899	1,646,673	69,774

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Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
ADJUSTMENTS TO BASE
(Dollar amounts in thousands)

	FTE	Amount
Adjustment		13,000
Financing		(13,000)
Total, adjustments to base		0

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Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	67,659	64,093	64,245	59,145	(5,100)
11.3	Other than full-time permanent	186	187	187	187	0
11.5	Other personnel compensation	2,197	2,206	2,191	2,189	(2)
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	70,043	66,486	66,623	61,521	(5,102)
12.1	Civilian personnel benefits	24,506	23,259	23,260	21,822	(1,438)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	687	577	577	577	0
21	Travel and transportation of persons	1,672	1,714	1,716	1,493	(223)
22	Transportation of things	71	63	62	62	0
23.1	Rental payments to GSA	0	0	467	467	0
23.2	Rental payments to others	5	6	6	5	(1)
23.3	Communications, utilities, and misc. charges	4,374	4,081	4,126	4,029	(97)
24	Printing and reproduction	49	47	136	136	0
25.1	Advisory and assistance services	247,329	211,709	207,898	259,505	51,607
25.2	Other services from non-Federal sources	380,732	257,365	259,745	247,063	(12,682)
25.3	Other goods and services from Federal sources	1,141,816	935,685	941,357	917,611	(23,746)
25.4	Operation and maintenance of facilities	990	1,897	1,897	1,397	(500)
25.5	Research and development contracts	8,384	6,903	7,062	7,062	0
25.7	Operation and maintenance of equipment	0	1	1	1	0
26	Supplies and materials	11,556	13,303	12,531	10,380	(2,151)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	66,072	11,570	12,530	90,063	77,533
32	Lands and structures	11,544	9,198	9,198	8,198	(1,000)
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	81,570	46,823	46,510	34,084	(12,426)
42	Insurance claims and indemnities	8	8	8	8	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	55	54	54	54	0
99.9	Total obligations	2,051,462	1,590,749	1,595,764	1,665,538	69,774
	Less Mandatory Obligations	(183,843)	(850)	(5,865)	(5,865)	0
	Total Discretionary Obligations	1,867,619	1,589,899	1,589,899	1,659,673	69,774
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	416	394	394	368	(26)
	Other than full-time permanent	0	0	0	0	0
	Total	416	394	394	368	(26)
	Authorized Positions:					
	Full-time permanent	366	451	451	424	(27)
	Other than full-time permanent	0	0	0	0	0
	Total	366	451	451	424	(27)

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Ocean Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	62	74	74	0	(74)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	1	2	2	0	(2)
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	63	76	76	0	(76)
12.1	Civilian personnel benefits	23	27	27	0	(27)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	27	7	7	0	(7)
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	Communications, utilities, and misc. charges	26	31	31	0	(31)
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	2,579	215	215	0	(215)
25.2	Other services from non-Federal sources	1,736	874	874	0	(874)
25.3	Other goods and services from Federal sources	13	15	15	0	(15)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	240	276	276	0	(276)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Ocean Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	0	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	36,240	10,979	10,979	0	(10,979)
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	40,946	12,500	12,500	0	(12,500)
	Less Mandatory Obligations	(30,426)	0	0	0	0
	Total Discretionary Obligations	10,520	12,500	12,500	0	(12,500)
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	0	0	0	0	0
	Other than full-time permanent	0	0	0	0	0
	Total	0	0	0	0	0
	Authorized Positions:					
	Full-time permanent	1	0	0	0	0
	Other than full-time permanent	0	0	0	0	0
	Total	1	0	0	0	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Marine Fisheries Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Object Class					
11.1 Full-time permanent compensation	0	0	0	0	0
11.3 Other than full-time permanent	0	0	0	0	0
11.5 Other personnel compensation	0	0	0	0	0
11.7 Military Personnel	0	0	0	0	0
11.9 Total personnel compensation	0	0	0	0	0
12.1 Civilian personnel benefits	0	0	0	0	0
12.2 Military personnel benefits	0	0	0	0	0
13 Benefits for former personnel	0	0	0	0	0
21 Travel and transportation of persons	3	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 Communications, utilities, 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 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	0	0	0	0	0
25.7 Operation and maintenance of equipment	0	0	0	0	0
26 Supplies and materials	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Marine Fisheries Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Object Class					
31 Equipment	0	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	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	0	0	0	0
Personnel Data					
Full-time Equivalent Employment					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0
Authorized Positions:					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Office of Oceanic and Atmospheric Research
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	608	460	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	15	15	0	0	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	624	475	0	0	0
12.1	Civilian personnel benefits	218	187	0	0	0
12.2	Military personnel benefits	0	0	0	0	0
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	1	1	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	Communications, utilities, and misc. charges	515	442	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	8,036	5,453	0	0	0
25.2	Other services from non-Federal sources	22,659	17,768	0	0	0
25.3	Other goods and services from Federal sources	20,008	17,236	0	0	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	1,804	1,548	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Office of Oceanic and Atmospheric Research
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	489	420	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	3,712	1,470	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	58,065	45,000	0	0	0
	Less Mandatory Obligations	(5,644)	0	0	0	0
	Total Discretionary Obligations	52,421	45,000	0	0	0
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	4	4	0	0	0
	Other than full-time permanent	0	0	0	0	0
	Total	4	4	0	0	0
	Authorized Positions:					
	Full-time permanent	3	4	0	0	0
	Other than full-time permanent	0	0	0	0	0
	Total	3	4	0	0	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Weather Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	5,121	5,321	5,933	6,564	631
11.3	Other than full-time permanent	1	1	1	1	0
11.5	Other personnel compensation	83	84	84	84	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	5,205	5,406	6,018	6,649	631
12.1	Civilian personnel benefits	1,869	1,942	2,130	2,382	252
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	93	72	72	72	0
21	Travel and transportation of persons	123	84	86	86	0
22	Transportation of things	27	21	21	21	0
23.1	Rental payments to GSA	0	0	467	467	0
23.2	Rental payments to others	0	0	0	0	0
23.3	Communications, utilities, and misc. charges	2,008	1,549	2,036	2,036	0
24	Printing and reproduction	8	6	95	95	0
25.1	Advisory and assistance services	15,495	11,326	12,968	12,968	0
25.2	Other services from non-Federal sources	123,083	64,610	79,743	75,170	(4,573)
25.3	Other goods and services from Federal sources	17,681	10,614	33,522	25,655	(7,867)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	1,117	862	1,021	1,021	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	5,971	4,607	5,383	5,383	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Weather Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	175	135	1,515	1,515	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	3,844	2,966	4,123	2,680	(1,443)
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	176,698	104,200	149,200	136,200	(13,000)
	Less Mandatory Obligations	(41,662)	0	0	0	0
	Total Discretionary Obligations	135,036	104,200	149,200	136,200	(13,000)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	32	34	38	42	4
	Other than full-time permanent	0	0	0	0	0
	Total	32	34	38	42	4
Authorized Positions:						
	Full-time permanent	17	34	38	43	5
	Other than full-time permanent	0	0	0	0	0
	Total	17	34	38	43	5

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Environmental Satellite, Data and Information Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	54,663	52,123	52,123	47,668	(4,455)
11.3	Other than full-time permanent	185	186	186	186	0
11.5	Other personnel compensation	1,834	1,848	1,848	1,848	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	56,682	54,157	54,157	49,702	(4,455)
12.1	Civilian personnel benefits	19,810	18,889	18,889	17,552	(1,337)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	585	486	486	486	0
21	Travel and transportation of persons	958	796	796	796	0
22	Transportation of things	37	31	31	31	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental payments to others	4	4	4	4	0
23.3	Communications, utilities, and misc. charges	1,362	1,132	1,132	1,132	0
24	Printing and reproduction	35	29	29	29	0
25.1	Advisory and assistance services	198,618	165,113	165,113	172,653	7,540
25.2	Other services from non-Federal sources	92,777	81,433	81,433	81,786	353
25.3	Other goods and services from Federal sources	1,100,694	901,252	901,252	886,425	(14,827)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	7,267	6,041	6,041	6,041	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	248	206	206	206	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
National Environmental Satellite, Data and Information Service
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	1,062	883	883	883	0
32	Lands and structures	7,654	6,363	6,363	6,363	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	37,753	31,384	31,384	31,384	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	1,525,546	1,268,199	1,268,199	1,255,473	(12,726)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	336	318	318	293	-25
	Other than full-time permanent	0	0	0	0	0
	Total	336	318	318	293	-25
Authorized Positions:						
	Full-time permanent	303	363	363	338	-25
	Other than full-time permanent	0	0	0	0	0
	Total	303	363	363	338	-25

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Mission Support
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	1,114	982	982	982	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	29	29	29	29	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	1,143	1,011	1,011	1,011	0
12.1	Civilian personnel benefits	405	357	357	357	0
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	114	112	112	112	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	Communications, utilities, and misc. charges	167	320	320	320	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	17,843	23,377	23,377	14,877	(8,500)
25.2	Other services from non-Federal sources	12,467	20,795	25,810	17,810	(8,000)
25.3	Other goods and services from Federal sources	3,287	6,298	6,298	5,298	(1,000)
25.4	Operation and maintenance of facilities	990	1,897	1,897	1,397	(500)
25.5	Research and development contracts	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	0	0	0	0
26	Supplies and materials	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Mission Support
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	2,009	3,848	3,848	2,848	(1,000)
32	Lands and structures	3,890	2,835	2,835	1,835	(1,000)
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	42,314	60,850	65,865	45,865	(20,000)
	Less Mandatory Obligations	(9,436)	(850)	(5,865)	(5,865)	0
	Total Discretionary Obligations	32,878	60,000	60,000	40,000	(20,000)
Personnel Data						
Full-time Equivalent Employment						
	Full-time permanent	8	7	7	7	0
	Other than full-time permanent	0	0	0	0	0
	Total	8	7	7	7	0
Authorized Positions:						
	Full-time permanent	3	7	7	7	0
	Other than full-time permanent	0	0	0	0	0
	Total	3	7	7	7	0

*Totals and deltas may not add due to rounding

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Office of Marine and Aviation Operations
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1	Full-time permanent compensation	6,091	5,133	5,133	3,931	(1,202)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	235	228	228	228	0
11.7	Military Personnel	0	0	0	0	0
11.9	Total personnel compensation	6,326	5,361	5,361	4,159	(1,202)
12.1	Civilian personnel benefits	2,182	1,857	1,857	1,531	(326)
12.2	Military personnel benefits	0	0	0	0	0
13	Benefits for former personnel	9	19	19	19	0
21	Travel and transportation of persons	448	715	715	499	(216)
22	Transportation of things	5	10	10	10	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental payments to others	1	2	2	1	(1)
23.3	Communications, utilities, and misc. charges	297	607	607	541	(66)
24	Printing and reproduction	6	12	12	12	0
25.1	Advisory and assistance services	4,759	6,225	6,225	59,007	52,782
25.2	Other services from non-Federal sources	128,010	71,885	71,885	72,297	412
25.3	Other goods and services from Federal sources	133	270	270	233	(37)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	0	0	0	0
25.7	Operation and maintenance of equipment	0	1	1	1	0
26	Supplies and materials	3,293	6,666	6,666	4,791	(1,875)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
Office of Marine and Aviation Operations
SELECT ACTIVITIES BY OBJECT CLASS
(Dollar amounts in thousands)

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
31	Equipment	62,337	6,284	6,284	84,817	78,533
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	22	24	24	20	(4)
42	Insurance claims and indemnities	8	8	8	8	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	55	54	54	54	0
99.9	Total obligations	207,890	100,000	100,000	228,000	128,000
	Less Mandatory Obligations	(96,675)	0	0	0	0
	Total Discretionary Obligations	111,215	100,000	100,000	228,000	128,000
	Personnel Data					
	Full-time Equivalent Employment					
	Full-time permanent	36	31	31	26	(5)
	Other than full-time permanent	0	0	0	0	0
	Total	36	31	31	26	(5)
	Authorized Positions:					
	Full-time permanent	39	43	43	36	(7)
	Other than full-time permanent	0	0	0	0	0
	Total	39	43	43	36	(7)

*Totals and deltas may not add due to rounding

**Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service
Budget Estimates, Fiscal Year 2027**

Executive Summary

NOAA requests a total of \$362,990,000 and 914 FTE/ 973 positions for the National Ocean Service (NOS) for FY 2027, including a net decrease of \$512,962,000 and 111 FTE/ 117 positions in program changes.

NOS secures the Nation by enabling the safe and efficient use of marine and coastal resources across the range of significant U.S. economic sectors. NOS supports maritime commerce and marine transportation, Arctic and deep ocean explorations, fishing and aquaculture, energy and critical mineral development, coastal recreation, and inland export and import industries. NOS' products and services save lives, create jobs, maximize economic returns, reduce risk, and protect coastal communities from the impacts of extreme weather. Our earth observations and navigation products, including AI-enabled services, are used daily by ship pilots, port managers, surveyors, resource managers, military branches, and airports. NOS products and services are also essential to emergency response and recovery from oil spills, hurricanes, and damage to critical infrastructure. NOS supports industry by providing critical environmental information and oceanographic conditions that support the economy and national security interests.

While coastal and Great Lakes counties represent less than 10 percent of the land mass of the U.S. (excluding Alaska), they are home to almost 40 percent of our country's population, with a coastal economy that produces \$10 trillion in goods and services annually and employs over 54 million people.¹

Significant economic benefits are generated by these communities, but they also face unique threats: storms and hurricanes threaten lives and destroy property; tidal flooding damages infrastructure and forces costly adaptations; harmful algal blooms disrupt fishing industries and impact human health, water quality, and tourism; and high port congestion and navigation hazards can damage the supply chain. NOS products and services help eliminate or alleviate these threats to the Nation's economy through observations, modeling, monitoring, and forecasting capabilities that are transformed into tools and trainings for use by the private sector and other partners. NOS provides regional-specific resource management through technical assistance, applied research, and partnership building. NOS also plays a leading role in protecting the Nation's special marine places, including the National Marine Sanctuaries System, and continues to explore the ocean to learn more about the critical resources it provides.

¹ <https://coast.noaa.gov/states/fast-facts/economics-and-demographics.html>

**Department of Commerce
National Oceanic and Atmospheric Administration
National Ocean Service
Budget Estimates, Fiscal Year 2027**

Significant Adjustments:*Inflationary Adjustments*

NOAA's FY 2027 Base includes a net increase of \$5,542,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for National Ocean Service activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration (GSA).

Technical Adjustments

NOAA also requests the following transfers for a net change of \$0 and 0 FTE/ 0 positions to the agency:

From Office	Subactivity	To Office	Subactivity	Amount
OAR	Ocean Exploration and Research (ORF)	NOS	Ocean Exploration and Research (ORF)	\$47,256,000 and 33 FTE/ 38 positions
OAR	Sustained Ocean Observations and Monitoring (ORF)	NOS	Sustained Ocean Observations and Monitoring (ORF)	\$52,759,000 and 27 FTE/ 32 positions
OAR	Integrated Ocean Acidification (ORF)	NOS	Integrated Ocean Acidification (ORF)	\$17,093,000 and 12 FTE/ 14 positions

NOAA requests to transfer \$47,256,000 and 33 FTE / 38 positions from the OAR Ocean Exploration and Research (ORF) Subactivity to the NOS Ocean Exploration and Research (ORF) Subactivity. NOAA requests to transfer \$52,759,000 and 27 FTE / 32 positions from the OAR Sustained Ocean Observations and Monitoring (ORF) Subactivity to the NOS Sustained Ocean Observations and Monitoring (ORF) Subactivity. NOAA requests to transfer \$17,093,000 and 12 FTE / 14 positions from the OAR Integrated Ocean Acidification (ORF) Subactivity to the NOS Integrated Ocean Acidification (ORF) Subactivity. These transfers allow the activities conducted under these PPAs to be carried out with other related activities.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning

Subactivity: Ocean Exploration and Research - transfer from OAR Ocean Exploration and Research

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	0	4,758	4,758
11.3	Other than full-time permanent	0	0	0
11.5	Other personnel compensation	0	139	139
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	0	4,897	4,897
12	Civilian personnel benefits	0	1,737	1,737
13	Benefits for former personnel	0	0	0
21	Travel and transportation of persons	0	464	464
22	Transportation of things	0	35	35
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	347	347
23.2	Rental Payments to others	0	5	5
23.3	Communications, utilities and misc charges	0	0	0
24	Printing and reproduction	0	25	25
25.1	Advisory and assistance services	0	6,191	6,191
25.2	Other services from non-Federal sources	0	696	696
25.3	Other goods and services from Federal sources	0	9	9
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	0	1,428	1,428
31	Equipment	0	61	61
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	0	31,361	31,361
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	0	47,256	47,256

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning

Subactivity: Sustained Ocean Observations and Monitoring - transfer from OAR Sustained Ocean Observations and Monitoring

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	0	3,615	3,615
11.3	Other than full-time permanent	0	49	49
11.5	Other personnel compensation	0	101	101
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	0	3,765	3,765
12	Civilian personnel benefits	0	1,348	1,348
13	Benefits for former personnel	0	0	0
21	Travel and transportation of persons	0	228	228
22	Transportation of things	0	472	472
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	184	184
23.2	Rental Payments to others	0	2	2
23.3	Communications, utilities and misc charges	0	3,580	3,580
24	Printing and reproduction	0	9	9
25.1	Advisory and assistance services	0	2,286	2,286
25.2	Other services from non-Federal sources	0	878	878
25.3	Other goods and services from Federal sources	0	2,009	2,009
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	0	2,702	2,702
31	Equipment	0	277	277
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	0	35,019	35,019
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	0	52,759	52,759

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Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Coastal Science and Assessment
Subactivity: Integrated Ocean Acidification - transfer from OAR Integrated Ocean Acidification

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	0	1,686	1,686
11.3	Other than full-time permanent	0	0	0
11.5	Other personnel compensation	0	27	27
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	0	1,713	1,713
12	Civilian personnel benefits	0	537	537
13	Benefits for former personnel	0	0	0
21	Travel and transportation of persons	0	126	126
22	Transportation of things	0	48	48
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	88	88
23.2	Rental Payments to others	0	5	5
23.3	Communications, utilities and misc charges	0	57	57
24	Printing and reproduction	0	4	4
25.1	Advisory and assistance services	0	1,229	1,229
25.2	Other services from non-Federal sources	0	879	879
25.3	Other goods and services from Federal sources	0	1	1
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	0	631	631
31	Equipment	0	383	383
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	0	11,392	11,392
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	0	17,093	17,093

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL OCEAN SERVICE											
Navigation, Observations and	Pos/BA	481	394,779	485	262,702	555	365,470	530	208,140	(25)	(157,330)
Positioning	FTE/OBL	507	304,873	456	262,702	516	365,470	494	208,140	(22)	(157,330)
Coastal Science and	Pos/BA	212	148,863	217	115,500	231	133,843	161	45,000	(70)	(88,843)
Assessment	FTE/OBL	230	141,302	207	115,500	219	133,843	151	45,000	(68)	(88,843)
Ocean and Coastal Management	Pos/BA	273	425,623	268	299,000	268	300,539	246	77,800	(22)	(222,739)
and Services	FTE/OBL	295	475,183	255	299,000	255	300,539	234	77,800	(21)	(222,739)
NOAA Community Project	Pos/BA	0	0	0	31,550	0	31,550	0	0	0	(31,550)
Funding/NOAA Special Projects	FTE/OBL	0	54,597	0	31,550	0	31,550	0	0	0	(31,550)
TOTAL NOS - ORF	Pos/BA	966	969,265	970	708,752	1,054	831,402	937	330,940	(117)	(500,462)
	FTE/OBL	1,032	975,955	918	708,752	990	831,402	879	330,940	(111)	(500,462)
Acquisition/Construction	Pos/BA	1	14,315	0	12,500	0	12,500	0	0	0	(12,500)
	FTE/OBL	0	10,520	0	12,500	0	12,500	0	0	0	(12,500)
TOTAL NOS - PAC	Pos/BA	1	14,315	0	12,500	0	12,500	0	0	0	(12,500)
	FTE/OBL	0	10,520	0	12,500	0	12,500	0	0	0	(12,500)
Damage Assessment and	Pos/BA	36	5,528	36	7,878	36	8,000	36	8,000	0	0
Restoration Revolving Fund	FTE/OBL	39	86,633	35	112,728	35	102,336	35	102,336	0	0
Sanctuaries Enforcement	Pos/BA	0	255	0	1,241	0	640	0	640	0	0
Asset Forfeiture Fund	FTE/OBL	0	33	0	3,101	0	650	0	650	0	0
Gulf Coast Ecosystem	Pos/BA	0	0	0	0	0	0	0	0	0	0
Restoration Fund	FTE/OBL	3	12,671	0	16,437	0	13,400	0	13,400	0	0
NOS Inflation Reduction Act	Pos/BA	0	0	0	0	0	0	0	0	0	0
ORF	FTE/OBL	18	106,080	0	0	0	0	0	0	0	0
NOS Inflation Reduction Act	Pos/BA	0	0	0	0	0	0	0	0	0	0
PAC	FTE/OBL	0	30,426	0	0	0	0	0	0	0	0
TOTAL NOS	Pos/BA	1,003	989,363	1,006	730,371	1,090	852,542	973	339,580	(117)	(512,962)
	FTE/OBL	1,092	1,222,318	953	853,518	1,025	960,288	914	447,326	(111)	(512,962)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel Amount</u>		<u>Personnel Amount</u>		<u>Personnel</u>	<u>Amount</u>
NOAA Community							
Project Funding/	Pos./BA	0	31,550	0	0	0	(31,550)
NOAA Special	FTE/OBL	0	31,550	0	0	0	(31,550)
Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$31,550, 0 FTE/ 0 Positions) – This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Navigation, Observations and Positioning

Goal Statement

Unleash American prosperity by providing foundational navigational, geodetic, and oceanographic data and ocean exploration missions to the public and private sectors to inform decisions that protect life and property and ensure the flow of commerce to support the economic development of the Arctic and America's ocean, great lake and coastal resources.

Base Program

The data and services provided by the programs and offices within Navigation, Observations and Positioning activity support applications across many NOAA mission areas, including safe and efficient navigation and transportation, mapping for deep sea mineral exploration, protecting communities from the impacts of extreme weather, infrastructure, emergency planning and response, local ecosystem management, recreation and tourism, and living marine resource management, among others. Six core offices are responsible for conducting the activities and programs. These include the Office of Coast Survey (OCS), National Geodetic Survey (NGS), Center for Operational Oceanographic Products and Services (CO-OPS), Integrated Ocean Observing System (IOOS), Ocean Exploration and Research (OER), and Sustained Ocean Observations and Monitoring (SOOM).

Statement of Operating Objectives

Schedule and Milestones:

Office of Coast Survey (OCS):

- Conduct 120 hydrographic surveys annually
- Build out bathymetric data for the remaining portions of Alaska and Pacific islands (FY 2027)
- Complete 1,650 electronic navigational chart cells (FY 2027)
- Improve weather forecasting, high resolution bathymetry, and water level forecast guidance for Precision Marine Navigation (FY 2027 - FY 2031)

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Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

National Geodetic Survey (NGS):

- Support Precision Marine navigation by updating high priority shoreline and ports mapping needs (FY 2027 - FY 2031)
- Maintain high accuracy positioning and navigation infrastructure using the Continuous GPS Stations (CORS) for defining and modernizing the national coordinate system (NSRS) (FY 2027)
- Announce final definitions for all zones of the State Plane Coordinate System of 2022 (FY 2027)
- Provide technical assistance to NSRS stakeholders across all mapping and geospatial applications as they prepare for a modernized geodetic reference system (ongoing)
- Federal Geographic Data Committee adopts modernized national coordinate system that unifies all U.S. territories under one geospatial reference system (FY 2027)
- Provide advanced degree opportunities to meet technical and mission-specific needs (ongoing)
- Enhance coverage for Vertical Datum (VDatum) transformation tool (FY 2027 – FY 2031)

Center for Operational Oceanographic Products and Services (CO-OPS):

- Establish one new Physical Oceanographic Real Time System (PORTS ®) (FY 2027)
- Conduct comprehensive annual maintenance on National Water Level Observation Network (NWLON) stations (FY 2027)
- Complete year one of a coastal water level reanalysis of the Pacific coast that will deliver historical water level information every 500-meters along the coast, closing critical data gaps between NOAA water level stations (FY 2027)
- Complete the analysis of tidal currents observations and publish updated tidal current predictions for Savannah Harbor and Columbia River (FY 2027)

Integrated Ocean Observing System (IOOS):

- Advancement of IOOS Data Management and Cyberinfrastructure (DMAC) subsystem to enable the reliable sharing, discovery, and use of ocean, coastal, and Great Lakes data by operational weather and ocean forecast systems, defense and national security agencies including the Navy and Coast Guard, emergency responders, commercial and recreational mariners, coastal and ocean resource managers, and the public (ongoing)
- Leverage cloud computing to accelerate the transition of research to existing operation models (ongoing)
- Partner with the Ocean Acidification Program to deploy and operate ocean acidification sensors (buoys, shore stations, gliders) on regional IOOS platforms (ongoing)
- Transition demonstrated marine sensor tools and technologies into operations (ongoing)
- Maintain existing levels of IOOS glider-based subsurface monitoring in every IOOS regional coastal observing system (ongoing)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
 (Dollar amounts in thousands)

- Maintain the network of surface current observing platforms producing real time observations and informing forecasts along the U.S. coastline (ongoing)
- Coordinate harmful algal bloom pilots with the National Centers for Coastal Ocean Science research goals and activities (ongoing)

Ocean Exploration and Research (OER):

- Map thousands of square kilometers in priority U.S. and international claim (e.g. the Clarion-Clipperton Zone and Mid-Pacific seamount provinces), data related to E.O. 14285 “Unleashing America’s Offshore Critical Minerals and Resources” that directly reduces exploration risk and guides site selection for U.S. applicants (FY 2027 - FY 2031)
- Conduct telepresence-enabled systematic expeditions providing opportunities to engage a multitude of shore-based stakeholders and other users in real-time ocean exploration (FY 2027 – FY 2031)
- Provide routine reports on the state of emerging scientific and technological capabilities within the ocean exploration community (FY 2027 – FY 2031)
- Map unknown areas of the U.S. Exclusive Economic Zone (FY 2027 – FY 2031)
- Transition deep-sea uncrewed systems and other innovative technologies from research to operations (FY 2027 - FY 2031)
- Discover mineral-rich areas, such as those containing polymetallic nodules, polymetallic sulfides, and cobalt-rich ferromanganese crusts (FY 2027 - FY 2031)
- Expand AI/ML capabilities to better process and analyze vast amounts of oceanographic data, including high-resolution imagery and sensor outputs (FY 2027 - FY 2031)

Sustained Ocean Observations and Monitoring (SOOM):

- Support the U.S. contribution to the Argo program, which provides global ocean data critical to weather and ocean forecasts and other important products (ongoing)
- Support the Global Drifter program, providing data to reduce satellite Sea Surface Temperature errors and increase regional weather and ocean maritime/shipping forecast skill (ongoing)
- Continue Atlantic Meridional Overturning Circulation observing and development of monitoring capabilities to inform and assess how the deep Atlantic is affecting coastal oceans and northern hemisphere weather (ongoing)
- Support tropical and mid-latitude buoy arrays to inform ocean and weather models (ongoing)
- Develop, operate, distribute, and analyze data from global tide gauge stations which monitor global and regional sea-level changes and supply data to NOAA/NWS tsunami warning centers in the Pacific and Caribbean (ongoing)
- Support research and observations of ocean-atmosphere interactions to advance weather forecasting (ongoing)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
 (Dollar amounts in thousands)

- Continue ocean surface observations and global hydrographic and biogeochemistry ship-based observations to determine changes in the ocean (ongoing)

Deliverables:

- 85,000 linear nautical miles of hydrographic data collected annually
- 2,000 new source data applications added to the authoritative suite of electronic navigational charts for public use
- High quality real-time oceanographic and meteorological observations for 40 existing NOAA PORTS® systems to support safe and efficient maritime commerce
- Apply updated National Bathymetric Source data for top 10 U.S. ports
- 3D coastal models for the entire northeast and southeast coasts of the U.S. developed and implemented to support marine transportation
- 95 percent or greater reliability in the collection and delivery of water level data to the public
- Official U.S. Tidal Current Predictions maintained and provided to the public
- 2,000 square nautical miles of nearshore topographic-bathymetric (topobathy) lidar data collected
- Update and/or validate 60 percent (105/175) of US priority ports with new aerial/satellite imagery to improve navigation safety
- Update 6.3 percent of the National Shoreline with current/new aerial imagery and elevation data to improve navigational safety
- Foundation CORS network of continuously operating GNSS stations expanded to support engineering, commercial, scientific and governance needs
- Deliver updated national coordinate system and associated tools and models for mapping and surveying communities as part of NSRS Modernization project
- Six National Geodetic Survey (NGS) webinars with a cumulative total of 2,000 attendees to inform stakeholders of our products and services and prepare them for upcoming NSRS Modernization
- U.S. mapping collaboration platform developed and implemented to share mapping plans, progress, and connect with partners to identify priorities, habitats and ecosystems in key areas within the U.S. Exclusive Economic Zone, such as the Arctic where they will be explored and characterized
- Improved sea ice forecasts for navigation, shipping, and local community activities
- Comprehensive data management and cyberinfrastructure system capable of integrating and distributing an extensive catalog of high-quality ocean observing data, products and services from diverse sources covering all U.S. coasts, Great Lakes, and territorial waters by IOOS
- Habitats and ecosystems in key areas within the U.S. Exclusive Economic Zone, such as the Arctic, explored and

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

characterized

- Engagement of shore-based stakeholders in real-time ocean exploration through telepresence-enabled expeditions
- Tens of thousands of square miles mapped and data collected during expeditions
- Data collected during expeditions are publicly and freely available through national archives
- Digital data are quality controlled and made available through a suite of data access tools, including the NOAA Ocean Exploration Data Atlas
- Drifting and Argo floats deployed annually to monitor the variability of global ocean conditions and key ocean currents
- Publicly and freely available data collected during expeditions are quality controlled and made accessible through national archives and a suite of data access tools, including the NOAA Ocean Exploration Data Atlas

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Explanation and Justification

Comparison by subactivity		2025		2026		2027	
		Actual		Enacted		Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Navigation, Observations and Positioning	Pos/BA	457	303,045	463	183,702	463	186,328
	FTE/OBL	488	212,754	435	183,702	435	186,328
Hydrographic Survey Priorities/Contracts	Pos/BA	24	32,397	22	31,500	22	31,627
	FTE/OBL	19	29,716	21	31,500	21	31,627
Ocean Exploration and Research	Pos/BA	0	0	0	0	38	47,256
	FTE/OBL	0	0	0	0	33	47,256
Sustained Ocean Observations and Monitoring	Pos/BA	0	0	0	0	32	52,759
	FTE/OBL	0	0	0	0	27	52,759
IOOS Regional Observations	Pos/BA	0	59,337	0	47,500	0	47,500
	FTE/OBL	0	62,403	0	47,500	0	47,500
Total Activity	Pos/BA	481	394,779	485	262,702	555	365,470
	FTE/OBL	507	304,873	456	262,702	516	365,470

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Navigation, Observations and Positioning: The Navigation, Observations and Positioning Subactivity directly supports U.S. economic development by enabling safe commercial navigation, precision mapping and positioning, and ocean exploration. Over \$2.3 trillion worth of products moving through U.S. ports each year, and every ship moving in and out of U.S. ports depends on navigational charts and water level information that NOS alone provides. The potential cost avoidance of electronic navigational charts (ENCs) to the Nation is estimated to be between \$2.0 - 3.5 billion annually. All mapping, charting, and transportation activities and infrastructure are founded on a reliable, accurate national coordinate system called the National Spatial Reference System (NSRS). NOS is solely responsible for maintaining that system, which provides more than \$2.4 billion in potential annual benefits to the U.S. economy. Deep ocean investigations and exploration using sensors, satellites, autonomous vehicles, ships, and numerical models, help the U.S. characterize natural resources and understand the role of ocean currents and water properties in extreme events. Businesses and the maritime community rely on NOS data and tools for critical decisions, from maximizing cargo to planning safe and efficient routes and ship schedules that enable efficient global trade and support of our Nation's security. The following Offices are responsible for conducting the activities funded within this Subactivity:

Office of Coast Survey (OCS) – is responsible for surveying U.S. waters, establishing maritime boundaries for the U.S. Exclusive Economic Zone (EEZ), and delivering navigation products, services, and marine geospatial data to the Nation. The OCS Director serves as the U.S. National Hydrographer representing the U.S. interests in international fora. To secure the nation's waterways, OCS delivers the foundational mapping and charting data required for safe maritime commerce through:

- Hydrographic Expertise: Serves as the authoritative source for offshore depth; uses NOAA and contract vessels to map the seafloor for safety, commerce, and resource discovery.
- Modernized Charting: Manages 5,000+ Electronic Navigational Chart (ENC) cells; transitioning to international S-100 standards for the top 10 ports by 2026.
- Emergency Response: Deploys mobile Navigation Response Teams (NRT) to locate wreckage and survey ports after disasters to speed shipping resumption.
- Uncrewed Innovation: Implements Uncrewed Surface Vessels (USV) for high-endurance mapping in challenging environments like the Port of Savannah.
- BlueTopo: Provides a first-of-its-kind web service for best-available bathymetry data to support coastal infrastructure.

National Geodetic Survey (NGS) – manages the National Spatial Reference System (NSRS), delineates the National Shoreline for nautical charts, and sets guidelines for all foundational positioning, geodesy, and coastal mapping activities. Accuracy and precision in positioning begins with NGS, which maintains the spatial framework essential for all U.S. mapping and engineering through:

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- **NSRS Modernization:** The NSRS plays a critical role in seamlessly aligning our Nation's significant geospatial investments in mapping and resilient infrastructure. As the common reference framework that defines latitude, longitude, height, and gravity for all geospatial data and positioning activities in the Nation, NSRS is being modernized to improve its accuracy and availability throughout the states and territories.
- **Regional Advisor Program:** Provides expert training and liaison services; estimated to generate \$18.6 million to \$39.7 million in annual economic benefits.
- **Shoreline Mapping:** Defines the 95,000-mile U.S. shoreline and near-shore using aerial imagery and lidar. These data are essential for nautical charts, maritime boundaries such as the EEZ, and applications such as inundation modeling.
- **Gravity & Elevations:** NGS observes and analyzes the Nation's gravity field to define a geoid height model - a model of global mean sea level that is used to measure precise surface elevations. Gravity data is critical for inundation models and floodplain maps because gravitational pull determines the direction of water flow, a study valued this program between \$4.2 billion and \$13.3 billion over ten years.
- **CORS Network:** Manages ~2,800 GPS/GNSS receivers to provide accurate positioning for land surveying, civil engineering and precision agriculture.

Center for Operational Oceanographic Products and Services (CO-OPS) – is the authoritative source for accurate, reliable, and timely information on tides, water levels and currents. CO-OPS provides the framework for vertical tidal datums across the U.S. and maintains long-term sea level records via its National Water Level Observation Network (NWLON). Reliable maritime decision-making depends on CO-OPS and its authoritative water level and current data through:

- **Community Planning:** Recalculates sea level trends at 100+ stations annually; provides tools like the Coastal Inundation Dashboard to mitigate risk.
- **Safe Navigation:** Operates the PORTS® network, which has decreased grounding by 59 percent, property damage by 37 percent, and deaths by 60 percent.
- **Official Predictions:** Provides official U.S. tide and current predictions for 3,000+ locations, critical for legal boundary determination.
- **Real-Time Data:** Maintains the NWLON, the foundation for observing and assessing nationwide impacts of tides, currents, and storm surge.

Integrated Ocean Observing System (IOOS) – The U.S. IOOS National Office oversees the acquisition, integration, and distribution of ocean, coastal, and Great Lakes data, including those from the 11 Federally-certified IOOS Regional Associations (RAs), and other interagency, private, academic, and nonprofit partners. The RAs address unique needs of their regions while

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working with the national office at NOAA to ensure that national needs are met. Data and information from U.S. IOOS inform weather forecasting, marine navigation, and commerce. Connecting regional insights to national needs, IOOS integrates diverse ocean data streams from numerous sources to enhance public safety and economic efficiency through:

- Precision Navigation: Collaborates to integrate high-resolution bathymetry and forecast data into shipboard navigation systems to optimize routes.
- Network Integration: Orchestrates data from 11 Regional Associations to provide a comprehensive view of the ocean, coasts and Great Lakes.
- Data Portals: Operates the National Data Portal and regional data portals to ensure all observations meet strict technical standards.
- Public Missions: Enhances discovery and accessibility of ocean information.

Hydrographic Survey Priorities/Contracts: Knowledge of the depth, shape, and composition of the seafloor has far-reaching benefits, including safer navigation, hazard mitigation, identification of areas with critical minerals, preservation of marine habitats and heritage, and a deeper understanding of resources for sustainable ocean economies. NOAA currently has four hydrographic ships, and also relies on hydrographic survey contractors to complement NOAA's surveys. In FY 2025, NOAA increased its award of contracts for surveying in Alaskan and Arctic waters. The Office of Coast Survey has set aside a small amount of funds for matching with states and non-Federal partners to increase collaboration and mapping coverage. These contracts are leveraged by other NOAA offices for collection of shoreline data and for emergency response surveying. Much of the momentum behind these efforts is being driven by new and emerging technologies in areas such as uncrewed systems, artificial intelligence, machine learning, geographic information systems and cloud computing. Mapping America's waters is vital for strengthening the maritime economy, safe navigation and national security.

Ocean Exploration and Research (OER): OER leads efforts to explore and characterize deep-water areas of the U.S. EEZ, Extended Continental Shelf, and other poorly known ocean areas and phenomena to contribute to a better understanding of U.S. ocean resources and mineral-rich areas, such as those containing polymetallic nodules, polymetallic sulfides, and cobalt-rich ferromanganese crusts which are important for deep sea mining. Since its commissioning in 2008, the *Okeanos Explorer*, NOAA's ship assigned to exploration, has mapped over a million square kilometers of the seafloor at high resolution. Data collected from ocean exploration expeditions have been critical for science-based decisions on issues like deepwater fisheries management, potential oil and gas development or deep-sea mining, marine protected area establishment and management, determination of the U.S. Extended Continental Shelf, and nautical charting. OER will continue this tradition of excellence by mapping thousands of square kilometers in priority U.S. and international claim areas (e.g., the Clarion-Clipperton Zone and Mid-Pacific seamount

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provinces), data that directly reduces exploration risk and guides site-selection for U.S. applicants in support of E.O.14285 “Unleashing America’s Offshore Critical Minerals and Resources.”

Sustained Ocean Observations and Monitoring (SOOM): SOOM supports NOAA’s contribution to the Global Ocean Observing System (GOOS) by maintaining observing platforms that report environmental weather/climate information to global prediction centers and researchers. GOOS is a permanent global system for observations, modeling, and analysis of marine and ocean variables to support operational ocean services worldwide. SOOM’s contribution helps describe the present state of the oceans, monitors long-term changes, supports operational services worldwide and is the basis for forecasting climate variability and change. SOOM also supports research to develop new data products from these observations to address a broad range of stakeholder needs.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Navigation, Observations and Positioning	Pos./BA	463	186,328	463	140,000	0	(46,328)
	FTE/OBL	435	186,328	435	140,000	0	(46,328)

Reduce Navigation, Observations, and Positioning Services (-\$46,328, 0 FTE/ 0 Positions) – With this request, NOAA will provide limited, core support for maritime commerce, navigation and positioning services, and will use innovative technology for ocean and coastal forecasting and prediction.²

NOAA will provide \$140 million in FY 2027 to:

- Maintain minimum support for navigation response teams to ensure the re-opening of ports and the resumption of shipping after storms;
- Maintain the U.S. suite of more than 1,650 newly regrided electronic navigational chart cells;
- Provide access to over 1 million survey control marks to align geographic information and provide precise positioning data that is used for mapping, charting, and other applications;
- Operate the 2,800 Continuously Operating Reference Station (CORS) Network to support accurate GPS positioning;
- Maintain the cost-share Physical Oceanographic Real-Time System (PORTS®) program, which has reduced maritime accidents by 33 percent and groundings by 59 percent since its inception in 1991;³
- Support the National Water Level Observation Network (NWLON) at a reduced capacity to continue safe and efficient marine navigation, informed coastal development, coastal flooding predictions, maintained long-term sea level trends, supported warnings for tsunamis and other extreme weather events, and informed regulatory agencies in the Great Lakes region.

NOAA will eliminate funding for lower priority grants and services.

² 33 U.S.C. 883a. et seq; 33 U.S.C. 892 et seq.; 33 U.S.C. 3501 et seq; Public Law 116 - 271; 33 USC 3504a

³ https://tidesandcurrents.noaa.gov/publications/Value_of_PORTS_to_the_Nation_Aug_2014.pdf

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Schedule and Milestones:

- Update 25 percent of ports identified as having high priority shoreline mapping needs to support Precision Marine Navigation (FY 2027 - FY 2031)
- Complete production of new bathymetric standards (S-101) for five of the Nation's top ports (FY 2027)
- Integrate test weather hazard polygons (S-412) into Precision Marine Navigation dissemination system and expand high-resolution bathymetry (S-102) and water level (S-104) forecast guidance (FY 2027)
- Maintain a high accuracy positioning and navigation infrastructure using the continuous GPS stations (NOAA CORS Network) for defining the national coordinate system (NSRS) and precise satellite orbit determination (FY 2027 - FY 2031)
- Continue BETA testing the new national coordinate system and associated tools and models for geospatial professionals as part of the NSRS Modernization project.
- Reduce technical assistance to NSRS stakeholders as they prepare for a modernized system (ongoing)
- Provide advanced degree opportunities to meet technical and mission-specific needs in geodesy and remote sensing (ongoing)
- Enhance coverage for V Datum transformation tool (FY 2027 - FY 2031)
- Conduct comprehensive annual NWLON maintenance, including precise leveling, to ensure station accuracy and stability at 110 of the remaining 185 NWLON stations (FY 2027)
- Sustain high-frequency radar data assembly center (FY 2027)
- Coordinate communities of practice within NOAA and observing partners to support data standardization, ingest, and integration (FY 2027)

Deliverables:

- 2,000 new source data applications added to the suite of electronic navigational charts
- High resolution charts that meet new international standards for top 5 of that Nation's top 30 ports
- High quality real-time oceanographic and meteorological observations delivered to the public 24 hours per day, 365 days per year, for 41 existing NOAA PORTS® systems to support safe and efficient maritime commerce in our Nation's seaports
- Predictions of coastal conditions, delivered four times per day, from coastal models along the east, west, and Gulf coasts and in the Great Lakes, enhancing the safety and efficiency of maritime commerce while benefiting numerous other coastal decision needs
- Over 95 percent of water level data from 185 remaining NWLON stations made available to the public in real-time
- Official U.S. tide and tidal current predictions maintained and provided to the public
- 1,750 square nautical miles of nearshore topographic-bathymetric (topobathy) lidar data collected for nautical charting available on the Digital Coast

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- Maintain Foundation CORS network of continuously operating GNSS stations to support stakeholders requiring precision and accuracy for engineering, commercial, scientific and governance throughout the country but especially on coastal regions.
- Four National Geodetic Survey (NGS) webinars with a cumulative total goal of 1,800 attendees to inform stakeholders of our products and services and prepare them for upcoming NSRS Modernization
- Accept, manage, and distribute observing data collected by a limited number of Federal and non-Federal partners

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Performance Measures

	2027	2028	2029	2030	2031
Update 6.3% of the National Shoreline with current/new aerial imagery and elevation data to improve navigational safety					
With Decrease	5.0%	5.0%	5.0%	5.0%	5.0%
Without Decrease	6.3%	6.3%	6.3%	6.3%	6.3%
Number of NWLON stations out of 185 stations maintained by NOAA to ensure safe and efficient marine navigation, proper citing of coastal development, coastal flood prediction and warnings for tsunamis and other extreme weather events	110	110	110	110	110
With Decrease	130	130	130	130	130
Without Decrease					
Outyear Costs:					
Direct Obligations	(46,328)	(46,328)	(46,328)	(46,328)	(46,328)
Capitalized	(12,472)	(12,472)	(12,472)	(12,472)	(12,472)
Uncapitalized	(33,856)	(33,856)	(33,856)	(33,856)	(33,856)
Budget Authority	(46,328)	(46,328)	(46,328)	(46,328)	(46,328)
Outlays	(28,260)	(41,232)	(43,548)	(45,401)	(46,328)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning
Subactivity: Navigation, Observations and Positioning

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	72,561	59,957	60,144	60,144	0
11.3 Other than full-time permanent	84	85	85	85	0
11.5 Other personnel compensation	2,506	1,667	1,667	1,667	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	75,151	61,709	61,896	61,896	0
12 Civilian personnel benefits	27,029	24,729	25,148	25,148	0
13 Benefits for former personnel	1,283	1,350	1,350	1,350	0
21 Travel and transportation of persons	2,416	3,138	3,157	1,909	(1,248)
22 Transportation of things	180	183	187	187	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	8,249	8,678	8,831	8,831	0
23.2 Rental Payments to others	209	220	228	228	0
23.3 Communications, utilities and misc charges	1,154	1,214	1,237	1,237	0
24 Printing and reproduction	45	47	56	56	0
25.1 Advisory and assistance services	30,962	11,795	12,381	1,287	(11,094)
25.2 Other services from non-Federal sources	30,726	32,075	33,154	20,682	(12,472)
25.3 Other goods and services from Federal sources	1,157	1,217	1,295	1,295	0
25.4 Operation and maintenance of facilities	23	24	24	24	0
25.5 Research and development contracts	4	4	7	7	0
25.6 Medical care	0	0	0	0	0
25.7 Operation and maintenance of equipment	2	2	2	2	0
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	1,869	2,219	2,255	2,255	0
31 Equipment	792	4,109	4,131	4,131	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	31,503	30,989	30,989	9,475	(21,514)
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 Total obligations	212,754	183,702	186,328	140,000	(46,328)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Hydrographic	Pos./BA	22	31,627	22	27,000	0	(4,627)
Survey	FTE/OBL	21	31,627	21	27,000	0	(4,627)
Priorities/Contracts							

Reduce Hydrographic Survey Priorities/Contracts (-\$4,627, 0 FTE/ 0 Positions) –With this request, NOAA will continue to leverage qualified contractors to conduct hydrographic surveys for safer ship navigation along the coast and throughout the U.S. Exclusive Economic Zone (EEZ) but at a reduced rate.

NOAA's hydrographic surveys map water depth, the location of obstructions, and other physical features of U.S. ports, waterways, Great Lakes, and offshore waters. This mapping data is the foundation of the NOAA nautical charts used by commercial, military, and recreational mariners to ensure safe navigation and efficient marine transportation, and provides the geospatial foundation for all other uses of U.S. waters including natural resource exploration, fisheries, flood inundation, and more.

Schedule and Milestones:

- Conduct 120 hydrographic surveys that provide data for use in electronic navigational charts (annually)

Deliverables:

- 116,000 linear nautical miles of hydrographic data collected annually

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Performance Measures	2027	2028	2029	2030	2031
Hydrographic data acquired annually to support safe and efficient maritime commerce (Linear Nautical Miles)					
With Decrease	116,000	116,000	116,000	116,000	116,000
Without Decrease	125,000	125,000	125,000	125,000	125,000
Outyear Costs:					
Direct Obligations	(4,627)	(4,627)	(4,627)	(4,627)	(4,627)
Capitalized	0	0	0	0	0
Uncapitalized	(4,627)	(4,627)	(4,627)	(4,627)	(4,627)
Budget Authority	(4,627)	(4,627)	(4,627)	(4,627)	(4,627)
Outlays	(2,822)	(4,118)	(4,349)	(4,534)	(4,627)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Navigation, Observation and Positioning

Subactivity: Hydrographic Priorities Surveys/Contracts

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	2,002	1,024	1,033	1,033	0
11.3 Other than full-time permanent	1	0	0	0	0
11.5 Other personnel compensation	69	0	0	0	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	2,072	1,024	1,033	1,033	0
12 Civilian personnel benefits	718	551	571	571	0
13 Benefits for former personnel	79	84	84	84	0
21 Travel and transportation of persons	11	12	13	13	0
22 Transportation of things	0	0	0	0	0
23 Rent, communications, and utilities	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 Communications, utilities and misc charges	5	5	6	6	0
24 Printing and reproduction	1	1	1	1	0
25.1 Advisory and assistance services	25,025	26,524	26,556	21,929	(4,627)
25.2 Other services from non-Federal sources	1,234	2,690	2,747	2,747	0
25.3 Other goods and services from Federal sources	521	552	556	556	0
25.4 Operation and maintenance of facilities	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 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	6	6	8	8	0
31 Equipment	9	10	11	11	0
32 Lands and structures	0	4	4	4	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	35	37	37	37	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 Total obligations	29,716	31,500	31,627	27,000	(4,627)

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Ocean Exploration and Research	Pos./BA	38	47,256	38	30,000	0	(17,256)
	FTE/OBL	32	47,256	32	30,000	0	(17,256)

Reduce Ocean Exploration and Research (-\$17,256, 0 FTE/ 0 Positions) – This request will prioritize mapping and exploration of critical minerals, and preserve operational support for deep-sea mapping with NOAA and academic partners.

This decrease will eliminate grant funding for technological advancement of vehicles and sensors, 'omics data processing and computation, external maritime heritage activities, education workshops and data management improvement technologies. Additionally, the overall amount of competitive grant funding for expeditions will be reduced.

Schedule and Milestones:

- Maintain priority deep sea mapping and exploration related to critical minerals
- Eliminate funding for ocean mapping and exploration technology advancement grants
- Reduce contract and grant support for education workshops and activities

Deliverables:

- Deepwater ocean (>200m) U.S. waters are mapped and characterized to inform deep sea mining activities

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Performance Measures	2027	2028	2029	2030	2031
Cumulative square nautical miles of deepwater ocean (>200m) U.S. EEZ mapped					
With Decrease	107,500	215,000	322,500	430,000	537,500
Without Decrease	215,000	430,000	645,000	860,000	1,075,000
Outyear Costs:					
Direct Obligations	(17,256)	(17,256)	(17,256)	(17,256)	(17,256)
Capitalized	0	0	0	0	0
Uncapitalized	(17,256)	(17,256)	(17,256)	(17,256)	(17,256)
Budget Authority	(17,256)	(17,256)	(17,256)	(17,256)	(17,256)
Outlays	(10,526)	(15,538)	(16,221)	(16,911)	(17,256)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning

Subactivity: Ocean Exploration and Research

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	5,144	4,732	4,758	4,758	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	264	138	139	139	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	5,407	4,870	4,897	4,897	0
12	Civilian personnel benefits	1,832	1,728	1,737	1,737	0
13	Benefits for former personnel	87	0	0	0	0
21	Travel and transportation of persons	276	461	464	464	0
22	Transportation of things	9	35	35	35	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	360	345	347	347	0
23.2	Rental Payments to others	19	5	5	5	0
23.3	Communications, utilities and misc charges	1	0	0	0	0
24	Printing and reproduction	18	25	25	25	0
25.1	Advisory and assistance services	5,990	6,158	6,191	6,191	(400)
25.2	Other services from non-Federal sources	437	692	696	696	0
25.3	Other goods and services from Federal sources	88	9	9	9	0
25.4	Operation and maintenance of facilities	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 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	1,256	1,420	1,428	1,428	0
31	Equipment	65	61	61	61	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	33,200	31,191	31,361	14,505	(16,856)
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	Total obligations	49,045	47,000	47,256	30,400	(17,256)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Sustained Ocean Observations and Monitoring	Pos./BA	32	52,759	7	11,140	(25)	(41,619)
	FTE/OBL	27	52,759	5	11,140	(22)	(41,619)

Reduce Sustained Ocean Observations and Monitoring (-\$41,619, -22 FTE/ -25 Positions) – This request will prioritize maintaining the Argo and Global Drifter programs and global observing data for forecast products and improvements. NOAA will reduce global ocean observations, eliminate research activities, and terminate some observing systems and development activities. This includes significant reductions to the U.S. contribution to the Argo program and to the Global Drifter program; NOAA will work with program partners to support increased contributions to these international systems. NOAA also will reduce other activities, such as Atlantic Meridional Overturning Circulation observing and development of monitoring capabilities and sea-level product development and production.

Schedule and Milestones:

FY 2027

- Rescope plans for U.S. Argo, the global drifter program, deep Atlantic current measurements, Global Ocean Monitoring and Observing (GOMO) ocean buoys, ocean biogeochemistry, and extreme event ocean observations and identify opportunities for CIs/contracts to execute GOMO ocean observational activities
- Develop a plan for ocean product development to maximize GOMO ocean observations
- Reduce/terminate multiple observing program funding
- Develop plans/costs for recovery/transferral/decommissioning of observing system equipment across the globe, such as tide gauge stations, buoys, and other devices

FY 2028 – FY 2031

- Begin retrieval or transferral of equipment from decommissioned ocean buoy, tide gauges, etc.
- Maintain support for highest priority activities and observations within the Argo and Global Drifter programs

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Deliverables:

- Continued delivery of minimal ocean observational data from remaining Sustained Ocean Observations and Monitoring-sponsored ocean observations in the global oceans

Performance Measures	2027	2028	2029	2030	2031
Argo floats deployed annually for ocean subsurface temperature/salinity and extreme marine data to improve ocean, weather, and extreme forecasts					
With Decrease	150	62	60	58	56
Without Decrease	258	258	258	258	258
Outyear Costs:					
Direct Obligations	(41,619)	(41,619)	(41,619)	(41,619)	(41,619)
Capitalized	(1,000)	(1,000)	(1,000)	(1,000)	(1,000)
Uncapitalized	(40,619)	(40,619)	(40,619)	(40,619)	(40,619)
Budget Authority	(41,619)	(41,619)	(41,619)	(41,619)	(41,619)
Outlays	(25,388)	(37,041)	(39,122)	(40,787)	(41,619)
FTE	(22)	(22)	(22)	(22)	(22)
Positions	(25)	(25)	(25)	(25)	(25)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Navigation, Observations and Positioning
Subactivity: Sustained Ocean Observations and Monitoring
Program Change: Reduce Sustained Ocean Observations and Monitoring

Title	Grade	Number	Annual Salary	Total Salaries
Budget Analyst / Officer (0560)	ZA-03	(1)	114,271	(\$114,271)
General Physical Scientist (1301)	ZP-03	(1)	114,271	(\$114,271)
General Physical Scientist (1301)	ZP-04	(1)	153,049	(\$153,049)
General Physical Scientist (1301)	ZP-04	(6)	149,458	(\$896,747)
General Physical Scientist (1301)	ZP-05	(2)	186,566	(\$373,132)
General Physical Scientist (1301)	ZP-03	(3)	124,278	(\$372,834)
General Arts and Information Specialist (1001)	ZP-04	(1)	128,618	(\$128,618)
Oceanography (1360)	ZP-03	(3)	102,977	(\$308,932)
Oceanography (1360)	ZP-04	(7)	155,398	(\$1,087,789)
Total		(25)		(3,549,642)
Less adjustment		3		460,255
Total full-time permanent (FTE)		(22)		(3,089,387)
2027 Pay Adjustment (0%)				0
				(3,089,387)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(22)		
Total FTE		(22)		
Authorized Positions:				
Full-time permanent		(25)		
Total Positions		(25)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning

Subactivity: Sustained Ocean Observations and Monitoring

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	3,478	3,597	3,615	526	(3,089)
11.3	Other than full-time permanent	7	49	49	49	0
11.5	Other personnel compensation	143	101	101	101	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	3,628	3,747	3,765	676	(3,089)
12	Civilian personnel benefits	1,216	1,341	1,348	1,348	0
13	Benefits for former personnel	179	0	0	0	0
21	Travel and transportation of persons	84	227	228	0	(228)
22	Transportation of things	448	470	472	(0)	(472)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	203	183	184	184	0
23.2	Rental Payments to others	0	2	2	2	0
23.3	Communications, utilities and misc charges	802	3,563	3,580	580	(3,000)
24	Printing and reproduction	9	9	9	9	0
25.1	Advisory and assistance services	3,114	2,275	2,286	286	(2,000)
25.2	Other services from non-Federal sources	1,459	873	878	878	0
25.3	Other goods and services from Federal sources	3,283	1,999	2,009	1,009	(1,000)
25.4	Operation and maintenance of facilities	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 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	2,223	2,688	2,702	502	(2,200)
31	Equipment	548	275	277	277	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	41,181	34,848	35,019	5,389	(29,630)
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	Total obligations	58,377	52,500	52,759	11,140	(41,619)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
IOOS Regional	Pos./BA	0	47,500	0	0	0	(47,500)
Observations	FTE/OBL	0	47,500	0	0	0	(47,500)

Terminate IOOS Regional Observations (-\$47,500, 0 FTE/ 0 Positions) – This request will terminate the IOOS Regional Observations. NOAA will prioritize national Data Management and Cyberinfrastructure (DMAC) capacity to integrate remaining available Federal, academic, private sector and non-profit ocean data, and will continue to make that data available.

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Navigation, Observations and Positioning

Subactivity: IOOS Regional Observations

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12	Civilian personnel benefits	0	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	5	1	1	0	(1)
22	Transportation of things	1	1	1	0	(1)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental Payments to others	75	84	84	0	(84)
23.3	Communications, utilities and misc charges	3	3	3	0	(3)
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	593	662	662	0	(662)
25.2	Other services from non-Federal sources	578	580	580	0	(580)
25.3	Other goods and services from Federal sources	207	232	232	0	(232)
25.4	Operation and maintenance of facilities	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 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	119	75	75	0	(75)
31	Equipment	87	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	60,735	45,862	45,862	0	(45,862)
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	Total obligations	62,403	47,500	47,500	0	(47,500)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Coastal Science and Assessment

Goal Statement

Conduct applied research and deliver scientific information for disasters and pollution emergency response and management, and the protection and restoration of ocean and coastal resources and communities. Provide coastal managers information and planning tools to better manage ocean space, which includes anticipating and responding to extreme weather and ocean acidification, and protecting people, fisheries, and drinking water from harmful algal blooms (HABs) and other contaminants. Develop technology to improve our understanding of the changes occurring in the oceans, coasts, and Great Lakes.

Base Program

The work conducted within the Coastal Science and Assessment activity helps with understanding, forecasting, and mitigating the impacts of oil and chemical spills, marine debris, HABs, contaminants, and extreme weather on coastal resources. It supports the coastal and ocean economy through the creation of data-driven, sustainable economic opportunities as well as development of tools for coastal and marine modeling and planning, aquaculture development, green infrastructure, and coastal resilience. Through this activity, NOS provides coordination and support for coastal disasters and pollution incidents. This includes the provision of a common operating picture that integrates spatial data from plans and real-time data feeds in the online Environmental Response Management Application (ERMA⁴), a tool that integrates real-time data with mapping to coordinate emergency response to coastal disasters. NOS ecological forecasts enable communities and businesses to plan for and mitigate the impacts of HABs, hypoxia, pathogens, and other ecological threats. NOS maximizes investment in resilient coastal infrastructure by identifying vulnerable communities, incorporating nature-based features, and identifying best practices. Restoration after pollution enhances resilience and the advancement of economic development of ocean, coastal and Great Lakes resources.

The following offices are responsible for carrying out the work within the Coastal Science and Assessment activity:

- **National Centers for Coastal Ocean Science (NCCOS)** – builds the science foundation and applied tools to advance coastal management and resilient coastal ecosystems. Its products and services forecast and mitigate HABs, hypoxia and pathogens to protect public health. It monitors, assesses, and abates harmful chemical contaminants from coastal waters (<https://coastalscience.noaa.gov/>).

⁴ <https://response.restoration.noaa.gov/maps-and-spatial-data/environmental-response-management-application-erma>

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Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
 (Dollar amounts in thousands)

- **Office of Response and Restoration (OR&R)** – prepares for, evaluates, and responds to threats to coastal environments including oil and chemical spills, releases from hazardous waste sites, marine debris, and natural disasters. When coastal and marine resources are impacted, OR&R assesses the impacts and ensures that response, recovery, and restoration actions maximize recovery of those resources and surrounding economies (<https://response.restoration.noaa.gov/>).
- **Integrated Ocean Acidification (OA)** – authorized under the Federal Ocean Acidification Research and Monitoring Act to better understand ocean acidification and the consequences of OA on marine resources to enable communities to mitigate, prepare, and adapt to changes.

Statement of Operating Objectives

Schedule and Milestones:

- Host workshops and finalize Marine Debris Action Plans for the Mid-Atlantic, Great Lakes, California, and Oregon (FY 2027)
- Support the Marine Debris Foundation focused on innovation, community grantmaking, and advanced technologies to prevent, reduce, and remove marine debris from U.S. waters (FY 2027 - FY 2029)
- Lead an extramural grant competition to prevent the adverse impacts of marine debris to the marine environment, economy, and navigation safety (FY 2027)
- Release updates to three publicly available emergency response tools annually (FY 2027 – FY 2031)
- Train 750 emergency responders annually (FY 2027 – FY 2031)
- Resolve liability for priority natural resource damage assessment cases annually (FY 2027 – FY 2031)
- Timely response to 150 coastal pollution incidents annually, or all incidents in U.S. if less than 150 (FY 2027 – FY 2031)
- Conduct one preparedness exercise annually to enhance disaster response and recovery readiness (FY 2027 – FY 2031)
- Conduct environmental and human use assessments, habitat mapping, and spatial modeling to support resource management, conservation, and time-sensitive decision-making (ongoing)
- Provide ocean intelligence in the form of mapping and data products that are used for siting and development of ocean industries to support accelerated growth of the ocean economy (ongoing)
- Advance the development and application of HAB observations, forecasting, prevention and control, and response capacity with states, tribes, industry partners, and other relevant stakeholders to protect human, economic and ecosystem health (ongoing)
- Provide environmental data and assessment of ecological and community impacts of contaminants to support community planning, disaster relief, and mitigation of contaminants (ongoing)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
 (Dollar amounts in thousands)

- Provide strategies, best-practices and scientific expertise to coastal communities to predict and mitigate the impacts of flooding, and adapt and restore coastal infrastructure (ongoing)
- Conduct ocean acidification coastal observing and deploy sensors on NOAA research and volunteer observing ships (ongoing)
- Engage in regional ocean acidification vulnerability assessments, including improved understanding of economic impacts (ongoing)
- Research and model how ocean acidification may affect coastal and marine ecosystems and resources in U.S. waters (ongoing)

Deliverables:

- Marine Debris Action Plans for the Mid-Atlantic, Great Lakes, California, and Oregon completed
- At least one Genius Prize awarded for Save Our Seas Innovation
- Removal of at least 100,000 pounds of marine debris
- Restored habitats, resources and the services they provide to compensate the public from pollution events
- Support requests for pollution scientific support, delivering decision support products for at least 80 percent of incidents
- Spatial assessments addressing ocean use sectors, such as marine conservation and maritime industries
- Technical assistance and response during HAB events and quantification of the causes, as well as ecological, and socioeconomic impacts, of HABs
- Toxicological impacts of substances, microplastics, and oil-derived contaminants in marine systems to inform prevention, response, and restoration
- Community and ecosystem vulnerability assessments and quantification of the protective benefits of natural infrastructure and other solutions that mitigate the impacts of coastal flooding for coastal communities and ecosystems
- Regional biogeochemical and ecological models of ocean acidification processes, projections, and impacts
- Sustained observations of ocean acidification levels and impacts
- Enhanced understanding of the vulnerability of living marine resources and human communities to ocean acidification
- Optimized observing systems in each of the eight large marine ecosystem regions
- Living marine resources characterized for vulnerability to ocean acidification
- Completed hydrographic surveys and ship-based observations to understand the long-term changes in carbonate chemistry
- Data archived and accessible for ocean carbon and ocean acidification analyses, forecasting capabilities, and better assessments of marine resource vulnerability

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Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025		2026		2027	
		Actual		Enacted		Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Coastal Science, Assessment, Response and Restoration	Pos/BA	208	134,498	213	95,500	213	96,726
	FTE/OBL	227	121,849	203	95,500	203	96,726
Competitive Research	Pos/BA	4	14,365	4	20,000	4	20,024
	FTE/OBL	3	19,453	4	20,000	4	20,024
Integrated Ocean Acidification	Pos/BA	0	0	0	0	14	17,093
	FTE/OBL	0	0	0	0	12	17,093
Total Activity	Pos/BA	212	148,863	217	115,500	231	133,843
	FTE/OBL	230	141,302	207	115,500	219	133,843

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Coastal Science, Assessment, Response and Restoration	Pos./BA	213	96,726	161	45,000	(52)	(51,726)
	FTE/OBL	203	96,726	151	45,000	(52)	(51,726)

Terminate National Centers for Coastal Ocean Science (-\$51,726, -52 FTE/ -52 Positions) – NOAA will continue to provide approximately \$4.0 million to support critical operational Harmful Algal Bloom (HAB) forecasts. Resources will be focused on priority areas such as observations, satellite data processing, and targeted efforts to support the Harmful Algal Bloom and Hypoxia Research and Control Act.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Coastal Science and Assessment

Subactivity: Coastal Science, Assessment, Response and Restoration

Program Change: Terminate National Centers for Coastal Ocean Science

Title	Grade	Number	Annual Salary	Total Salaries
Director	ES	(1)	194,479	(194,479)
Deputy Director	ZP-05	(1)	188,701	(188,701)
Management and Program Analyst	ZA-04	(1)	160,524	(160,524)
Biologist	ZP-03	(4)	137,625	(550,500)
Biologist	ZP-04	(3)	160,008	(480,024)
Biologist	ZP-05	(1)	179,180	(179,180)
Biologist	ZP-03	(4)	136,988	(547,952)
Program Coordinator	ZA-03	(1)	137,833	(137,833)
Physical Scientist	ZP-04	(1)	163,084	(163,084)
Oceanographer	ZP-04	(1)	165,744	(165,744)
Facility Operations Specialist	ZA-04	(1)	146,810	(146,810)
Facility Operations Specialist	ZA-03	(2)	139,141	(278,282)
Supervisory Environmental Scientist	ZP-05	(3)	181,802	(545,406)
Supervisory Marine Habitat Resource Specialist	ZP-04	(1)	181,057	(181,057)
Senior Scientist	ST	(1)	180,955	(180,955)
Environmental Scientist	ZP-04	(1)	163,084	(163,084)
Environmental Scientist	ZP-03	(1)	135,103	(135,103)
Marine Biologist	ZA-04	(2)	160,524	(321,048)
Research Marine Biologist	ZP-04	(2)	161,532	(323,064)
Management and Program Analyst	ZA-03	(1)	140,050	(140,050)
Research Fish Biologist	ZP-03	(1)	135,103	(135,103)
Oceanographer	ZP-03	(2)	140,733	(281,466)
Oceanographer	ZP-04	(3)	163,084	(489,252)
Research Oceanographer	ZP-04	(1)	166,484	(166,484)
Physical Scientist	ZP-04	(1)	165,049	(165,049)

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Title	Grade	Number	Annual Salary	Total Salaries
General Physical Scientist	ZP-04	(1)	165,390	(165,390)
Research Physical Scientist	ZP-04	(1)	163,084	(163,084)
Statistician	ZP-03	(1)	135,982	(135,982)
Statistician	ZP-04	(1)	163,084	(163,084)
Research Social Scientist	ZP-03	(1)	138,706	(138,706)
IT Specialist (Security)	ZP-03	(1)	138,481	(138,481)
Research Microbiologist	ZP-04	(1)	166,484	(166,484)
Research Chemist	ZP-04	(1)	163,614	(163,614)
Support Services Specialist	ZA-04	(1)	160,524	(160,524)
Support Services Specialist	ZA-03	(1)	139,097	(139,097)
Budget Analyst	ZA-03	(1)	136,519	(136,519)
Total		(52)		(8,091,199)
Less Lapse		0		0
Total full-time permanent (FTE)		(52)		(8,091,199)
2027 Pay Adjustment (0%)				0
Personnel Data Summary				
Full-Time Equivalent Employment (FTE)				
Full-time permanent		(52)		
Total FTE		(52)		
Authorized Postions				
Full-time permanent		(52)		
Total Positions		(52)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Coastal Science and Assessment

Subactivity: Coastal Science, Assessment, Response and Restoration

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	36,092	25,742	25,828	17,737	(8,091)
11.3	Other than full-time permanent	241	45	45	45	0
11.5	Other personnel compensation	1,137	671	671	464	(207)
11.7	Military personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	37,470	26,458	26,544	18,246	(8,298)
12	Civilian personnel benefits	13,582	9,889	10,085	6,966	(3,119)
13	Benefits for former personnel	1,050	1,081	1,081	229	(852)
21	Travel and transportation of persons	655	1,836	1,845	400	(1,445)
22	Transportation of things	77	79	81	8	(73)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	1,743	2,182	2,253	437	(1,816)
23.2	Rental Payments to others	36	37	41	41	0
23.3	Communications, utilities and misc charges	1,544	1,589	1,600	452	(1,148)
24	Printing and reproduction	46	47	51	11	(40)
25.1	Advisory and assistance services	3,421	3,507	3,781	829	(2,952)
25.2	Other services from non-Federal sources	27,871	39,841	40,342	14,115	(26,227)
25.3	Other goods and services from Federal sources	380	391	427	29	(398)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	11	11	17	17	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	745	1,929	1,945	690	(1,255)
31	Equipment	262	270	280	30	(250)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	32,956	6,353	6,353	2,500	(3,853)
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	Total obligations	121,849	95,500	96,726	45,000	(51,726)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Competitive	Pos./BA	4	20,024	0	0	(4)	(20,024)
Research	FTE/OBL	4	20,024	0	0	(4)	(20,024)

Terminate Competitive Research Program (-\$20,024, -4 FTE/ -4 Positions) –This will eliminate competitive grants to academic research institutions, non-governmental organizations, and other partners. With this requested program termination in FY 2027, NOAA will ensure there is grant management and oversight capacity for existing multi-year awards until they are closed out at the end of their period of performance.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Coastal Science and Assessment

Subactivity: Competitive Research

Program Change: Terminate Competitive Research Program

Title	Grade	Number	Annual Salary	Total Salaries
Management and Program Analyst	ZA-03	(3)	95,046	(285,138)
Management and Program Analyst	ZA-04	(1)	129,235	(129,235)
Total		(4)		(414,373)
Less lapse		0		0
Total full-time permanent (FTE)		(4)		(414,373)
2027 Pay Adjustment (0%)				0
				(414,373)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(4)		
Total FTE		(4)		
Authorized Positions:				
Full-time permanent		(4)		
Total Positions		(4)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Coastal Science and Assessment

Subactivity: Competitive Research

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	412	412	414	0	(414)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	15	15	15	0	(15)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	427	427	429	0	(429)
12	Civilian personnel benefits	159	159	163	0	(163)
13	Benefits for former personnel	8	8	8	0	(8)
21	Travel and transportation of persons	110	113	113	0	(113)
22	Transportation of things	3	3	3	0	(3)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental Payments to others	0	0	1	0	(1)
23.3	Communications, utilities and misc charges	6	6	6	0	(6)
24	Printing and reproduction	3	3	3	0	(3)
25.1	Advisory and assistance services	157	161	166	0	(166)
25.2	Other services from non-Federal sources	1,458	1,499	1,510	0	(1,510)
25.3	Other goods and services from Federal sources	91	93	94	0	(94)
25.4	Operation and maintenance of facilities	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 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	134	138	138	0	(138)
31	Equipment	20	21	21	0	(21)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	16,877	17,369	17,369	0	(17,369)
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	Total obligations	19,453	20,000	20,024	0	(20,024)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Integrated Ocean	Pos./BA	14	17,093	0	0	(14)	(17,093)
Acidification	FTE/OBL	12	17,093	0	0	(12)	(17,093)

Terminate Integrated Ocean Acidification (-\$17,093, -12 FTE/ -14 Positions) – NOAA requests the termination of Integrated Ocean Acidification activities. It will eliminate support for activities authorized under the *Federal Ocean Acidification Research and Monitoring Act*. NOAA will continue to provide ocean science to support communities through other programs.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Coastal Science and Assessment
Subactivity: Integrated Ocean Acidification
Program Change: Terminate Integrated Ocean Acidification

Title	Grade	Number	Annual Salary	Total Salaries
Miscellaneous Administration And Program	ZA3	(1)	126,224	(\$126,224)
General Physical Science	ZP4	(5)	151,112	(\$755,562)
General Physical Science	ZP5	(1)	197,200	(\$197,200)
General Physical Science	ZP3	(2)	127,993	(\$255,986)
Biological Sciences	ZP4	(2)	146,732	(\$293,464)
Administrative Officer	ZP4	(1)	120,579	(\$120,579)
Management and Program Analyst	ZP4	(1)	121,785	(\$121,785)
Ecologist	ZP4	(1)	117,402	(\$117,402)
Total		(14)		(1,988,202)
Less Adjustment		2		302,225
Total full-time permanent (FTE)		(12)		(1,685,977)
2027 Pay Adjustment (0%)				0
				(1,685,977)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(12)		
Total FTE		(12)		
Authorized Positions:				
Full-time permanent		(14)		
Total Positions		(14)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Coastal Science and Assessment

Subactivity: Integrated Ocean Acidification

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	2,332	1,678	1,686	0	(1,686)
11.3	Other than full-time permanent	28	0	0	0	0
11.5	Other personnel compensation	103	27	27	0	(27)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,463	1,705	1,713	0	(1,713)
12	Civilian personnel benefits	898	534	537	0	(537)
13	Benefits for former personnel	26	0	0	0	0
21	Travel and transportation of persons	460	125	126	0	(126)
22	Transportation of things	19	48	48	0	(48)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	85	88	88	0	(88)
23.2	Rental Payments to others	4	5	5	0	(5)
23.3	Communications, utilities and misc charges	33	57	57	0	(57)
24	Printing and reproduction	22	4	4	0	(4)
25.1	Advisory and assistance services	1,248	1,222	1,229	0	(1,229)
25.2	Other services from non-Federal sources	471	874	879	0	(879)
25.3	Other goods and services from Federal sources	15	1	1	0	(1)
25.4	Operation and maintenance of facilities	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 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	485	628	631	0	(631)
31	Equipment	68	381	383	0	(383)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	10,919	11,328	11,392	0	(11,392)
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	Total obligations	17,217	17,000	17,093	0	(17,093)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
 (Dollar amounts in thousands)

Activity: Ocean and Coastal Management and Services

Goal Statement

Efficiently manage coastal and marine resources to ensure public safety and thriving economies. Leverage the Nation's ocean and coastal resources and enhance state and local preparedness by providing actionable information and resources needed to understand risk, mitigate losses, and support economic growth. Emphasize collaboration and partnerships across multiple levels of public and private organizations.

Base Program

NOS manages programs and activities that ensure the efficient and best use of the Nation's valuable ocean and coastal resources. These include a national marine sanctuaries system that facilitates tourism and recreation activities. NOS also equips coastal planners with the scientific tools and skills they need to better manage their coastal resources and communities. This includes the interactive Digital Coast web platform, which provides data, tools, and training to inform coastal decisions by both state resource managers and local officials. NOS also works in partnership with and provides funding to local governments, states, and other partners to advance their coastal management objectives through the national Coastal Zone Management (CZM) Program, the National Oceans and Coastal Security Fund (NOSCF), the Coral Reef Conservation Program (CRCP), and the National Estuarine Research Reserve System (NERRS).

The following program offices carry out the activities within the Ocean and Coastal Management and Services activity:

- **Office for Coastal Management (OCM)** – Enables and guides implementation of the CZM Program and the NERRS authorized under the Coastal Zone Management Act (CZMA). It delivers easy-to-use tools, training, and technical assistance through NOAA's Digital Coast, as required in the Digital Coast Act to support a risk-informed approach to prioritize resilience actions that protect coastal property and infrastructure. The office also administers the CRCP, and supports Regional Ocean Partnerships (ROPs) of coastal states to increase efficiency by sharing data, information, and implementation of actions that can expedite decision-making on coastal issues affecting multiple states within a region. The office also supports activities under the Ocean Thermal Energy Conversion Act and the Deep Seabed Hard Mineral Resources Act (<https://coast.noaa.gov/>).
- **Office of National Marine Sanctuaries (ONMS)** – Responsible for the stewardship and management of a network of underwater parks encompassing more than 629,000 square miles of marine and Great Lakes waters from Washington state to the Gulf of America, and from Lake Huron to American Samoa. The network includes a system of 18 National Marine Sanctuaries (<https://sanctuaries.noaa.gov/>).

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Statement of Operating Objectives

Schedule and Milestones:

- Expedite NOAA review and support for the advancement of deep seabed mining in the U.S. (FY 2027 – FY 2031)
- Collect and deliver additional economic data in U.S. coastal states and territories (FY 2027)
- Provide technical services, such as economic analysis, foundational data, mapping, and expertise, to enable coastal communities to sustain coastal and ocean resources and grow economies (FY 2027 – FY 2031)
- Inform development of state- and local-level policies, codes and plans that strengthen their ability to withstand coastal storm and flooding impacts, grow local economies; and sustain coastal and ocean resources for multiple sectors, including recreation and tourism through the national CZM Program (FY 2027 – FY 2031)
- Continue priority efforts in coral reef restoration, mitigating land-based sources of pollution, and monitoring (ongoing)
- Maintain ecological forecasting for coral bleaching via the coral reef watch program (ongoing)
- Execute Inaugural Reef Research Coordination Institutes Cooperative Agreements as mandated in the Reauthorized Coral Reef Conservation Act (ongoing)
- Modernize the ONMS permit application, incorporating efficiency upgrades (FY 2027 – FY 2031)
- Review and where necessary, update management plans across the National Marine Sanctuary System (FY 2027 – FY 2031)

Deliverables:

- Updated Economics: National Ocean Watch data product, including new data for each of the U.S. territories, characterizing the businesses and jobs dependent on the ocean and coastal areas
- Improved coastal resilience and reduced economic losses from projects that address impacts of extreme weather on coastal communities and ecosystems; land use change; and shoreline stabilization
- Priority data and mapping gaps filled, and tools and training resources provided through Digital Coast to help state and local communities plan for the effects of coastal flooding and extreme weather
- Improved coral bleaching forecasts and ocean acidification models
- Highest priority needs of Coral Reef Monitoring Program met, and efforts to mitigate Stony Coral Tissue Loss Disease spread
- Improved permitting efficiency to enhance permitting decisions, process, and management for activities in national marine sanctuaries
- Advance the characterization of the social and economic contributions and impacts of the National Marine Sanctuary System

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Coastal Zone Management and Services	Pos/BA	94	64,230	104	51,000	104	51,585
	FTE/OBL	101	59,399	97	51,000	97	51,585
Coastal Zone Management Grants	Pos/BA	2	120,636	0	81,500	0	81,500
	FTE/OBL	2	163,794	0	81,500	0	81,500
National Oceans and Coastal Security Fund	Pos/BA	4	96,775	0	32,000	0	32,000
	FTE/OBL	1	96,454	0	32,000	0	32,000
Coral Reef Program	Pos/BA	33	33,430	29	33,500	29	33,669
	FTE/OBL	37	34,257	28	33,500	28	33,669
National Estuarine Research Reserve System	Pos/BA	0	44,417	0	34,000	0	34,000
	FTE/OBL	1	59,056	0	34,000	0	34,000
Sanctuaries and Marine Protected Areas	Pos/BA	140	66,135	135	67,000	135	67,785
	FTE/OBL	153	62,223	130	67,000	130	67,785
Total Activity	Pos/BA	273	425,623	268	299,000	268	300,539
	FTE/OBL	295	475,183	255	299,000	255	300,539

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Coastal Zone Management and Services	Pos./BA	104	51,585	111	53,585	7	2,000
	FTE/OBL	97	51,585	104	53,585	7	2,000

Seabed Critical Minerals, Resources Exploration, and Sustainable Recovery (+\$2,000, +7 FTE/ +7 Positions) – NOAA requests an increase in funding to support E.O. 14285 "Unleashing America's Offshore Critical Minerals and Resources." With these funds, NOAA will advance the U.S. as a global leader in responsible seabed mineral exploration and commercial recovery. NOAA will build upon our established licensing and permitting authority and framework to sustain Deep Seabed Hard Mineral Resources Act (DSHMRA) licensing and permitting capacity within NOS. Specifically, NOS will create a new, fully dedicated team within the Office for Coastal Management and maintain staff that were reassigned or hired during FY 2026 to ensure the most effective and efficient management of DSHMRA requirements.

This request will enable NOS to expedite review of DSHMRA exploration licenses and commercial recovery permits and to address public comments and other regulatory requirements without compromising environmental and transparency standards. NOS will also explore the use of AI and other technology solutions to increase efficiency and expedite the license and permit application review process, including but not limited to, summarizing public comments and developing approaches to manage virtual public hearings. With this increase, NOS will play a pivotal role in unleashing the ocean economy in a rapid, but environmentally responsible manner. The additional staff capacity and expertise will work across NOAA and with other key agency partners, including the Department of the Interior and the Department of War, to ensure coordination across the complex deep seabed mining landscape and leverage the unique agency roles, authorities, and expertise.

Schedule and Milestones:

- Assemble a team with advanced knowledge in license and permit application review, geospatial and mapping technologies, statutory requirements (including the National Environmental Policy Act and the Freedom of Information Act), rulemaking and public comments, interagency partnerships, and other collaborations (FY 2027)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

- Expedite review of deep seabed mining exploration license and commercial recovery permit applications, or consolidated applications, and integrate the use of AI and other appropriate technology solutions into permit reviews (FY 2027 - FY 2031)

Deliverables:

- Permit, license, or consolidated applications reviewed at a highly effective and efficient rate
- Exploration licenses and commercial recovery permits issued, pending outcomes from the DSHMRA review process

Performance Measures	2027	2028	2029	2030	2031
Number of DSHMRA exploration licenses and commercial recovery permits processed (cumulative)					
With Increase	16	20	24	28	32
Without Increase	4	6	7	9	10
Outyear Costs:					
Direct Obligations	2,000	2,000	2,000	2,000	2,000
Capitalized	576	576	576	576	576
Uncapitalized	1,424	1,424	1,424	1,424	1,424
Budget Authority	2,000	2,000	2,000	2,000	2,000
Outlays	1,220	1,780	1,880	1,960	2,000
FTE	7	7	7	7	7
Positions	7	7	7	7	7

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Ocean and Coastal Management and Services

Subactivity: Coastal Zone Management and Services

Program Change: Seabed Critical Minerals, Resources Exploration, and Sustainable Recovery

Title	Grade	Number	Annual Salary	Total Salaries
Supervisory Program and Policy Analyst	ZA-05	1	\$178,200	\$178,200
Program and Policy Analyst	ZA-03/04	3	\$139,314	\$417,942
Environmental Scientist / Physical Scientist	ZP-03/04	2	\$138,824	\$277,648
Acquisition Management Specialist	ZA-04	1	\$158,541	\$158,541
Total		7		1,032,331
Less lapse	25.00%	0		0
Total full-time permanent (FTE)		7		1,032,331
2027 Pay Adjustment (0%)				1,032,331
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		7		
Total FTE		7		
Authorized Positions:				
Full-time permanent		7		
Total Positions		7		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services

Subactivity: Coastal Zone Management and Services

		2025	2026	2027	2027	Increase
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	15,639	14,428	14,470	15,502	1,032
11.3	Other than full-time permanent	167	0	0	0	0
11.5	Other personnel compensation	517	350	350	350	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	16,323	14,778	14,820	15,852	1,032
12	Civilian personnel benefits	6,019	4,905	4,999	5,391	392
13	Benefits for former personnel	360	376	376	376	0
21	Travel and transportation of persons	352	563	567	567	0
22	Transportation of things	21	22	23	23	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	992	1,190	1,224	1,224	0
23.2	Rental Payments to others	55	57	60	60	0
23.3	Communications, utilities and misc charges	289	302	307	307	0
24	Printing and reproduction	61	64	64	64	0
25.1	Advisory and assistance services	3,484	3,613	3,744	3,744	0
25.2	Other services from non-Federal sources	19,533	21,885	22,123	22,699	576
25.3	Other goods and services from Federal sources	563	509	527	527	0
25.4	Operation and maintenance of facilities	14	15	15	15	0
25.5	Research and development contracts	0	0	2	2	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	372	481	489	489	0
31	Equipment	155	255	260	260	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	10,806	1,985	1,985	1,985	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	Total obligations	59,399	51,000	51,585	53,585	2,000

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Coastal Zone Management and Services	Pos./BA	104	51,585	104	35,800	0	(15,785)
	FTE/OBL	97	51,585	97	35,800	0	(15,785)

Reduce Coastal Zone Management and Services (-\$15,785 0 FTE/ 0 Positions) – This request will streamline coastal management products and services, prioritizing those that advance economic development, and inform decision-making to protect coastal businesses and infrastructure, such as ports, roads, hospitals and utilities. NOAA will also continue its strong partnerships with the private sector and support the development of emerging coastal industries.

Specifically, NOAA will decrease Federal grants management capacity and technical assistance associated with other NOAA Office for Coastal Management grants that are also being requested for termination (Coastal Zone Management Grants, National Oceans and Coastal Security Fund, and National Estuarine Research Reserve System). With the termination of these grants, the level of contracted support needed for Federal grants management requirements can be scaled back, but NOAA will retain some grants management capacity and expertise to support ongoing Federal assistance and oversight for awards with periods of performance through FY 2031.

In addition to terminating grants and reducing grant support, NOAA will also scale back some products and services. NOAA will continue to implement the highest priority products and services within the Digital Coast Act.

Schedule and Milestones:

- Deliver economic data in U.S. coastal states and territories through the *Economics: National Ocean Watch* product, which quantifies the contributions of six economic sectors dependent on the ocean and Great Lakes to the national GDP and state and local economies (FY 2027 – 2031)

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

- Deliver critical decision-support tools, and limited training and technical assistance, that enable coastal communities to understand coastal flooding risk, inform state and local planning for coastal development and infrastructure, and reduce economic losses (FY 2027 – FY 2031)
- Provide limited technical services, such as foundational data, mapping, and expertise, to empower coastal communities to grow economies (FY 2027 – FY 2031)
- Deliver the information and services needed to expedite permitting review for current and emerging ocean industries, including ocean minerals exploration (FY 2027 – FY 2031)
- Closeout financial assistance awards for the National Estuarine Research Reserves, Coastal Zone Management Programs, National Coastal Resilience Fund, Regional Ocean Partnerships, and Coral Reef Conservation Program (FY 2027 – FY 2029)

Deliverables:

- National Ocean Watch data product, including new data for each of the U.S. territories, characterizing the businesses and jobs dependent on the ocean and coastal areas
- Priority data, tools, and training resources delivered through Digital Coast to help state and local communities plan for the effects of coastal flooding and extreme weather

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of regional ocean data sets and products that are made accessible and integrated to address regional coastal, ocean, and Great Lakes management priorities and emerging issues					
With Decrease	0	0	0	0	0
Without Decrease	88	88	88	88	88
Number of communities that utilize Digital Coast					
With Decrease	5,500	5,500	5,500	5,500	5,500
Without Decrease	7,000	7,000	7,000	7,000	7,000
Percent Reduction in grants management capacity					
With Decrease	40	40	40	40	40
Without Decrease	0	0	0	0	0
Outyear Costs:					
Direct Obligations	(15,785)	(15,785)	(15,785)	(15,785)	(15,785)
Capitalized	(10,240)	(10,240)	(10,240)	(10,240)	(10,240)
Uncapitalized	(5,545)	(5,545)	(5,545)	(5,545)	(5,545)
Budget Authority	(15,785)	(53,785)	(15,785)	(15,785)	(15,785)
Outlays	(9,629)	(14,049)	(14,838)	(15,469)	(15,785)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services

Subactivity: Coastal Zone Management and Services

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	15,639	14,428	14,470	14,470	0
11.3	Other than full-time permanent	167	0	0	0	0
11.5	Other personnel compensation	517	350	350	350	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	16,323	14,778	14,820	14,820	0
12	Civilian personnel benefits	6,019	4,905	4,999	4,999	0
13	Benefits for former personnel	360	376	376	376	0
21	Travel and transportation of persons	352	563	567	567	0
22	Transportation of things	21	22	23	(37)	(60)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	992	1,190	1,224	1,224	0
23.2	Rental Payments to others	55	57	60	60	0
23.3	Communications, utilities and misc charges	289	302	307	307	0
24	Printing and reproduction	61	64	64	64	0
25.1	Advisory and assistance services	3,484	3,613	3,744	2,244	(1,500)
25.2	Other services from non-Federal sources	19,533	21,885	22,123	9,883	(12,240)
25.3	Other goods and services from Federal sources	563	509	527	527	0
25.4	Operation and maintenance of facilities	14	15	15	15	0
25.5	Research and development contracts	0	0	2	2	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	372	481	489	489	0
31	Equipment	155	255	260	260	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	10,806	1,985	1,985	0	(1,985)
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	Total obligations	59,399	51,000	51,585	35,800	(15,785)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Coastal Zone	Pos./BA	0	81,500	0	0	0	(81,500)
Management	FTE/OBL	0	81,500	0	0	0	(81,500)
Grants							

Terminate Coastal Zone Management Grants (-\$81,500, 0 FTE/ 0 Positions) – This request will terminate grant funding for Coastal Zone Management programs. NOAA will continue to administer existing cooperative agreements, while also providing limited national coordination and in-kind support to state coastal zone management agencies that are able to operate programs using state funds.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services

Subactivity: Coastal Zone Management Grants

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	301	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	301	0	0	0	0
12	Civilian personnel benefits	108	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	3	0	0	0	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	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	Communications, utilities and misc charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	17	0	0	0	0
25.2	Other services from non-Federal sources	696	0	0	0	0
25.3	Other goods and services from Federal sources	0	0	0	0	0
25.4	Operation and maintenance of facilities	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 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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	162,669	81,500	81,500	0	(81,500)
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	Total obligations	163,794	81,500	81,500	0	(81,500)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Oceans and Coastal Security Fund	Pos./BA	0	32,000	0	0	0	(32,000)
	FTE/OBL	0	32,000	0	0	0	(32,000)

Terminate NOAA's National Coastal Resilience Fund (-\$32,000, 0 FTE/ 0 Positions) – This request will terminate NOAA's National Coastal Resilience Fund (NCRF), which is administered by the National Fish and Wildlife Foundation (NFWF). NOAA will continue to provide limited in-kind support to NFWF for the execution of current grants through the end of their period of performance.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services
Subactivity: National Oceans and Coastal Security Fund

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	169	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	169	0	0	0	0
12	Civilian personnel benefits	54	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	2	0	0	0	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	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	Communications, utilities and misc charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	8	0	0	0	0
25.2	Other services from non-Federal sources	275	0	0	0	0
25.3	Other goods and services from Federal sources	70	0	0	0	0
25.4	Operation and maintenance of facilities	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 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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	95,876	32,000	32,000	0	(32,000)
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	Total obligations	96,454	32,000	32,000	0	(32,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	
		<u>Amount</u>		<u>Amount</u>		<u>Amount</u>	
Coral Reef	Pos./BA	29	33,669	0	0	(29)	(33,669)
Program	FTE/OBL	28	33,669	0	0	(28)	(33,669)

Terminate Coral Reef Conservation Program (-\$33,669, -28 FTE/ -29 Positions) – This request will terminate NOAA's Coral Reef Conservation Program. NOAA will provide administrative support to ensure the timely close out of existing grants with states and cooperative agreements with the Atlantic and Pacific Reef Research Coordination Institutes and other partners.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Ocean and Coastal Management and Services
Subactivity: Coral Reef Program
Program Change: Terminate Coral Reef Conservation Program

Title	Grade	Number	Annual Salary	Total Salaries
Director	ZA-05	(1)	197,200	(197,200)
Deputy Director (supervisory)	ZA-04	(1)	197,200	(197,200)
International Lead	ZP-04	(1)	187,093	(187,093)
Coral Reef Fisheries Liaison	ZP-03	(3)	133,142	(399,426)
Management and Program Analyst	ZA-04	(3)	187,093	(561,279)
Marine Biologist	ZP-04	(5)	187,093	(935,465)
Marine Biologist	ZP-03	(2)	133,142	(266,284)
Marine Biologist	ZP-02	(1)	101,097	(101,097)
Marine Habitat Management Specialist	ZP-03	(1)	133,142	(133,142)
Natural Resource Specialist	ZP-03	(3)	133,142	(399,426)
Oceanographer	ZP-03	(1)	133,142	(133,142)
Physical Scientist	ZP-04	(1)	187,093	(187,093)
Research Ecologist	ZP-03	(1)	133,142	(133,142)
Research Fisheries Biologist	ZP-03	(1)	133,142	(133,142)
Research Marine Biologist	ZP-03	(1)	133,142	(133,142)
Research Social Scientist	ZP-03	(1)	133,142	(133,142)
Supervisory Marine Habitat Resource Specialist	ZP-04	(1)	197,200	(197,200)
Supervisory Marine Resource Management Specialist	ZP-04	(1)	197,200	(197,200)
Total		(29)		(4,624,815)
Less adjustment		1		159,476
Total full-time permanent (FTE)		(28)		(4,465,339)
2027 Pay Adjustment (0%)				0
				(4,465,339)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(28)		
Total FTE		(28)		
Authorized Positions:				
Full-time permanent		(29)		
Total Positions		(29)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services

Subactivity: Coral Reef Program

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
Full-time permanent compensation	4,993	4,453	4,465	0	(4,465)
Other than full-time permanent	0	0	0	0	0
Other personnel compensation	74	70	70	0	(70)
Special personnel services payments	0	0	0	0	0
Total personnel compensation	5,067	4,523	4,535	0	(4,535)
Civilian personnel benefits	2,009	1,559	1,586	0	(1,586)
Benefits for former personnel	26	25	25	0	(25)
Travel and transportation of persons	313	328	329	0	(329)
Transportation of things	4	4	4	0	(4)
Rent, communications, and utilities	0	0	0	0	0
Rental payments to GSA	51	78	88	0	(88)
Rental Payments to others	3	3	4	0	(4)
Communications, utilities and misc charges	13	13	14	0	(14)
Printing and reproduction	1	1	1	0	(1)
Advisory and assistance services	1,054	1,031	1,067	0	(1,067)
Other services from non-Federal sources	4,930	5,092	5,162	0	(5,162)
Other goods and services from Federal sources	216	211	214	0	(214)
Operation and maintenance of facilities	0	0	0	0	0
Research and development contracts	1,014	992	998	0	(998)
Medical care	0	0	0	0	0
Operation and maintenance of equipment	0	0	0	0	0
Subsistence and support of persons	0	0	0	0	0
Supplies and materials	305	334	336	0	(336)
Equipment	83	81	82	0	(82)
Lands and structures	0	0	0	0	0
Investments and loans	0	0	0	0	0
Grants, subsidies and contributions	19,168	19,225	19,224	0	(19,224)
Insurance claims and indemnities	0	0	0	0	0
Interest and dividends	0	0	0	0	0
Refunds	0	0	0	0	0
Total obligations	34,257	33,500	33,669	0	(33,669)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Estuarine	Pos./BA	0	34,000	0	0	0	(34,000)
Research Reserve	FTE/OBL	0	34,000	0	0	0	(34,000)
System							

Terminate National Estuarine Research Reserve System (-\$34,000, 0 FTE/ 0 Positions) – This request will eliminate NOAA’s funding support to states for the operations and management of the NERRS authorized under the CZMA. NOAA will continue to administer existing cooperative agreements and provide limited national-level system coordination and in-kind support to state agencies and academic institutions that choose to continue operating the reserves using state funds.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services
Subactivity: National Estuarine Research Reserve System

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	237	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	237	0	0	0	0
12	Civilian personnel benefits	90	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	1	0	0	0	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental Payments to others	19	0	0	0	0
23.3	Communications, utilities and misc charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	8	0	0	0	0
25.2	Other services from non-Federal sources	267	0	0	0	0
25.3	Other goods and services from Federal sources	0	0	0	0	0
25.4	Operation and maintenance of facilities	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 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	3	0	0	0	0
31	Equipment	0	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	58,431	34,000	34,000	0	(34,000)
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	Total obligations	59,056	34,000	34,000	0	(34,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Sanctuaries and Marine Protected Areas	Pos./BA	135	67,785	135	40,000	0	(27,785)
	FTE/OBL	130	67,785	130	40,000	0	(27,785)

Reduce National Marine Sanctuaries (-\$27,785, 0 FTE/ 0 Positions) –With this decrease, NOAA will continue to manage and protect all 18 of its National Marine Sanctuaries, and will focus on ensuring critical Federal oversight of the existing system in accordance with the National Marine Sanctuaries Act statutory mandates and requirements (16 U.S.C. 1431 et seq.). NOAA will continue on-water operations for emergency situations, and will prioritize critical infrastructure management activities, such as the maintenance and installation of mooring buoys.

NOAA will eliminate many of its services, agreements, and contracts with external partners and will discontinue the majority of on-water operations. NOAA will prioritize the sustainment of the 18 existing sanctuaries across the system within remaining resources.

Schedule and Milestones:

- Prioritize funding for critical contract and affiliate agreements (FY 2027)
- Support operations that maintain critical infrastructure (FY 2027)
- Maintain activities to ensure safe operations at Federal worksites (FY 2027 – FY 2031)
- Continue implementation of components of the management plans for each site across the National Marine Sanctuary System (FY 2027 – FY 2031)

Deliverables:

- Continued operations of the 18 National Marine Sanctuaries and their critical infrastructure.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures

	2027	2028	2029	2030	2031
Number of youth learning about national marine sanctuaries through NOAA activities					
With Decrease	25,000	3,000	3,000	3,000	3,000
Without Decrease	35,000	35,000	35,000	35,000	35,000
Outyear Costs:					
Direct Obligations	(27,785)	(27,785)	(27,785)	(27,785)	(27,785)
Capitalized	(14,347)	(14,347)	(14,347)	(14,347)	(14,347)
Uncapitalized	(13,438)	(13,438)	(13,438)	(13,438)	(13,438)
Budget Authority	(27,785)	(27,785)	(27,785)	(27,785)	(27,785)
Outlays	(16,949)	(24,729)	(26,118)	(27,229)	(27,785)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean and Coastal Management and Services

Subactivity: Sanctuaries and Marine Protected Areas

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	24,917	25,041	25,097	25,097	0
11.3	Other than full-time permanent	17	20	20	20	0
11.5	Other personnel compensation	690	690	690	690	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	25,624	25,751	25,807	25,807	0
12	Civilian personnel benefits	9,498	9,785	9,910	9,910	0
13	Benefits for former personnel	501	539	539	539	0
21	Travel and transportation of persons	731	831	837	20	(817)
22	Transportation of things	53	57	58	5	(53)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	2,518	2,709	2,756	2,756	0
23.2	Rental Payments to others	272	293	296	296	0
23.3	Communications, utilities and misc charges	561	603	611	200	(411)
24	Printing and reproduction	402	432	432	0	(432)
25.1	Advisory and assistance services	3,644	3,920	4,092	165	(3,927)
25.2	Other services from non-Federal sources	9,578	12,521	12,844	272	(12,572)
25.3	Other goods and services from Federal sources	960	1,033	1,057	0	(1,057)
25.4	Operation and maintenance of facilities	3	3	5	0	(5)
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	775	834	844	20	(824)
31	Equipment	665	715	723	10	(713)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	6,438	6,974	6,974	0	(6,974)
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	Total obligations	62,223	67,000	67,785	40,000	(27,785)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Acquisition/Construction

Goal Statement

The NOS Construction activity provides construction and acquisition support in the National Estuarine Research Reserve System (NERRS) and the National Marine Sanctuaries System.

Base Program

The NERRS is a Federal-state partnership established under the Coastal Zone Management Act designed to protect and understand valuable estuarine resources through research and education. NOAA funds NERRS construction and land acquisition projects on a competitive basis. NERRS PAC funds have been matched 70:30 (Federal: state) for facilities construction, and 1:1 for land acquisition.

NOS also administers the Nation's system of 18 National Marine Sanctuaries. PAC funding supports capital costs of maintaining the Sanctuary System's facilities and small boat fleet. Whenever possible, NOAA leverages facilities partnerships with existing aquaria, museums and other entities to engage the public and environmental decision-makers on conservation issues.

Statement of Operating Objectives

The Budget does not provide funding for this activity.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Estuarine Research	Pos/BA	0	8,619	0	8,500	0	8,500
Reserve Constrution	FTE/OBL	0	8,380	0	8,500	0	8,500
Marine Sanctuaries	Pos/BA	1	5,696	0	4,000	0	4,000
Construction	FTE/OBL	0	2,140	0	4,000	0	4,000
Total Activity	Pos/BA	1	14,315	0	12,500	0	12,500
	FTE/OBL	0	10,520	0	12,500	0	12,500

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Estuarine	Pos./BA	0	8,500	0	0	0	(8,500)
Research Reserve	FTE/OBL	0	8,500	0	0	0	(8,500)
Construction							

Terminate National Estuarine Research Reserve Construction (-\$8,500, 0 FTE/ 0 Positions) – This request will terminate NOAA’s construction funding for the National Estuarine Research Reserve System (NERRS). NOAA will continue to provide limited national-level system coordination and in-kind support to state governments that choose to continue operating the reserves using state funds.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: NOS Construction

Subactivity: National Estuarine Research Reserve Construction

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12	Civilian personnel benefits	0	0	0	0	0
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	Rent, communications, and utilities	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	Communications, utilities 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	Operation and maintenance of facilities	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 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	0	0
33	Investments and loans	8,380	8,500	8,500	0	(8,500)
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	Total obligations	8,380	8,500	8,500	0	(8,500)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Marine Sanctuaries	Pos./BA	0	4,000	0	0	0	(4,000)
Construction	FTE/OBL	0	4,000	0	0	0	(4,000)

Terminate Marine Sanctuaries Construction (-\$4,000, 0 FTE/ 0 Positions) – This request will eliminate funding for national marine sanctuary construction. The National Marine Sanctuary system operations will continue to be supported through the Sanctuaries and Marine Protected Areas PPA.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: NOS Construction

Subactivity: Marine Sanctuaries Construction

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	81	74	74	0	(74)
11.3	Other than full-time permanent	1	0	0	0	0
11.5	Other personnel compensation	0	2	2	0	(2)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	82	76	76	0	(76)
12	Civilian personnel benefits	31	27	27	0	(27)
13	Benefits for former personnel	1	0	0	0	0
21	Travel and transportation of persons	6	7	7	0	(7)
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	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	Communications, utilities and misc charges	3	31	31	0	(31)
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	254	215	215	0	(215)
25.2	Other services from non-Federal sources	699	874	874	0	(874)
25.3	Other goods and services from Federal sources	14	15	15	0	(15)
25.4	Operation and maintenance of facilities	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 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	224	276	276	0	(276)
31	Equipment	0	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	826	2,479	2,479	0	(2,479)
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	Total obligations	2,140	4,000	4,000	0	(4,000)

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DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Damage Assessment and Restoration Revolving Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	<u>Positions</u>	<u>FTE</u>	<u>Budget Authority</u>	<u>Direct Obligations</u>
Appropriation Available, 2026	36	35	7,878	112,728
Less: Adjustments	0	0	122	(10,392)
2027 Estimate	36	35	8,000	102,336

		<u>2025 Actual</u>		<u>2026 Enacted</u>		<u>2027 Base</u>		<u>2027 Estimate</u>		<u>Increase/Decrease from 2027 Base</u>	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Damage Assessment and Restoration Revolving Fund	Pos/BA	36	5,528	36	7,878	36	8,000	36	8,000	0	0
	FTE/OBL	39	86,633	35	112,728	35	102,336	35	102,336	0	0
Total: Damage Assessment and Restoration Revolving Fund	Pos/BA	36	5,528	36	7,878	36	8,000	36	8,000	0	0
	FTE/OBL	39	86,633	35	112,728	35	102,336	35	102,336	0	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Damage Assessment and Restoration Revolving Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	39	86,633	35	112,728	35	102,336	35	102,336	0	0
Total Obligations	39	86,633	35	112,728	35	102,336	35	102,336	0	0
Adjustments to Obligations:										
New offsetting collections	0	(5,238)	0	(100,000)	0	(10,000)	0	(10,000)	0	0
Recoveries	0	(5,507)	0	(20,000)	0	(20,000)	0	(20,000)	0	0
Unobligated balance, SOY	0	(212,943)	0	(188,304)	0	(253,454)	0	(253,454)	0	0
Unobligated balance, adj. SOY	0	0	0	0	0	0	0	0	0	0
Unobligated balance, transferred	0	(45,721)	0	(50,000)	0	(50,000)	0	(50,000)	0	0
Unobligated balance, EOY	0	188,304	0	253,454	0	239,118	0	239,118	0	0
Total Budget Authority	35	5,528	35	7,878	35	8,000	35	8,000	0	0
Financing from Transfers:										
Appropriation previously unavailable	0	0	0	(334)	0	(456)	0	(456)	0	0
Appropriation temporarily reduced	0	334	0	456	0	456	0	456	0	0
Transfer from DOI	0	(5,862)	0	(8,000)	0	(8,000)	0	(8,000)	0	0
Net Appropriation	35	0	35	0	35	0	35	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Damage Assessment and Restoration Revolving Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Damage Assessment and Restoration Revolving Fund

Goal Statement

The Damage Assessment and Restoration Revolving Fund facilitates the spill response, damage assessment, and natural resource restoration activities of the National Oceanic and Atmospheric Administration.

Base Program

A National Oceanic and Atmospheric Administration (NOAA) Damage Assessment and Restoration Revolving Fund was established under Section 1012(a) of the Oil Pollution Act for the deposit of sums provided by any party or governmental entity for response to discharges of oil or releases of hazardous substances, for assessment of damages to NOAA trust resources resulting from those discharges and releases, and for the restoration of the injured natural resources.

Through the Revolving Fund, NOAA does the following:

- Retains funds that are recovered through settlement or awarded by a court for restoration of injured natural resources and retains reasonable costs of conducting spill response and damage assessments that are recovered by NOAA through negotiated settlement, court award, or other reimbursement
- Ensures funds deposited shall remain available to the trustee, without further appropriation, until expended to pay costs associated with response, damage assessment, and restoration of natural resources

The NOAA Damage Assessment and Restoration Revolving Fund facilitates and sustains: (1) natural resource damage assessment while the Departments of Commerce and Justice seek full reimbursement from potentially responsible parties; and (2) restoration, replacement, or acquisition of the equivalent of injured or lost natural resources, including resources of National Marine Sanctuaries and National Estuarine Research Reserves, tidal wetlands and other habitats, for which NOAA is trustee. These program functions are conducted jointly within NOAA by the Office of General Counsel, NOS, and NMFS.

Department of Commerce
National Oceanic and Atmospheric Administration
Damage Assessment and Restoration Revolving Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
11.1 Full-time permanent	5,652	5,072	5,072	5,072	0
11.3 Other than full time permanent	0	0	0	0	0
11.5 Other personnel compensation	185	185	185	185	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	5,837	5,257	5,257	5,257	0
12.1 Civilian personnel benefits	2,200	1,974	1,974	1,974	0
12.2 Military personnel benefits	0	0	0	0	0
21 Travel and transportation of persons	281	281	281	281	0
22 Transportation of things	7	7	7	7	0
23.1 Rental payments to GSA	0	0	0	0	0
23.2 Rental payments to others	1	1	1	1	0
23.3 Comm., util., misc. charges	36	36	36	36	0
24 Printing and reproduction	12	12	12	12	0
25.1 Advisory and assistance services	2,504	2,504	2,504	2,504	0
25.2 Other services from non-Federal sources	16,760	43,661	33,269	33,269	0
25.3 Other goods and services from Federal sources	3,450	3,450	3,450	3,450	0
26 Supplies and materials	1,374	1,374	1,374	1,374	0
31 Equipment	333	333	333	333	0
41 Grants, subsidies and contributions	52,000	53,000	53,000	53,000	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
99.9 Total Obligations	86,633	112,728	102,336	102,336	0

Department of Commerce
National Oceanic and Atmospheric Administration
Damage Assessment and Restoration Revolving Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Federal Funds	0	0	0	0	0
Offsetting Collections Mandatory	(5,238)	(100,000)	(10,000)	(10,000)	0
Recoveries	(5,507)	(20,000)	(20,000)	(20,000)	0
Change in uncollected payments, Fed	0	0	0	0	
Less unobligated balance, SOY	(212,943)	(188,304)	(253,454)	(253,454)	0
Plus unobligated balance transferred	(45,721)	(50,000)	(50,000)	(50,000)	0
Plus unobligated balance, EOY	188,304	253,454	239,118	239,118	0
Total Budget Authority	5,528	7,878	8,000	8,000	0
Transfers:					
Appropriation previously unavailable	0	(334)	(456)	(456)	
Transfer from DOI	(5,862)	(8,000)	(8,000)	(8,000)	0
Appropriation temporarily reduced	334	456	456	456	0
Net Appropriation	0	0	0	0	0
Personnel Data					
Full-Time equivalent Employment:					
Full-time permanent	39	35	35	35	0
Other than full time permanent	0	0	0	0	0
Total	39	35	35	35	0
Authorized Positions:					
Full-time permanent	36	36	36	36	0
Other than full time permanent	0	0	0	0	0
Total	36	36	36	36	0

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DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Sanctuaries Enforcement Asset Forfeiture Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Appropriation Available, 2026	0	0	1,241	3,101
Less: Adjustments	0	0	(601)	(2,452)
2027 Estimate	0	0	640	650

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Sanctuaries Enforcement Asset Forfeiture Fund	Pos/BA	0	255	0	1,241	0	640	0	640	0	0
	FTE/OBL	0	33	0	3,101	0	650	0	650	0	0
Total:	Pos/BA	0	255	0	1,241	0	640	0	640	0	0
Sanctuaries Enforcement Asset Forfeiture Fund	FTE/OBL	0	33	0	3,101	0	650	0	650	0	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Sanctuaries Enforcement Asset Forfeiture Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	0	33	0	3,101	0	650	0	650	0	0
Total Obligations	0	33	0	3,101	0	650	0	650	0	0
Adjustments to Obligations:										
New offsetting collections	0	0	0	(10)	0	(10)	0	(10)	0	0
Recoveries	0	0	0	(100)	0	0	0	0	0	0
Unobligated balance, SOY	0	(1,528)	0	(1,750)	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	0	0	0	0	0	0	0	0	0
Unobligated balance, transferred	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	1,750	0	0	0	0	0	0	0	0
Total Budget Authority	0	255	0	1,241	0	640	0	640	0	0
Financing from Transfers:										
Appropriation previously unavailable	0	0	0	(15)	0	(74)	0	(74)	0	0
Appropriation temporarily reduced	0	15	0	74	0	34	0	34	0	0
Net Appropriation	0	271	0	1,300	0	600	0	600	0	0

**Department of Commerce
National Oceanic and Atmospheric Administration
Sanctuaries Enforcement Asset Forfeiture Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE**
(Dollar amounts in thousands)

Activity: Sanctuaries Enforcement Asset Forfeiture Fund

Goal Statement

The Sanctuaries Enforcement Asset Forfeiture Fund receives proceeds from civil penalties and forfeiture claims against responsible parties, as determined through court settlements or agreements, for violations of NOAA sanctuary regulations.

Base Program

Penalties received are held in sanctuary site-specific accounts from year to year, as the funds are spent on resource protection within the sanctuary site where the penalty or forfeiture occurred. Funds are expended for resource protection purposes which may include all aspects of law enforcement (from equipment to labor), community-oriented policing programs, and other resource protection and management measures such as the installation of mooring buoys or restoration of injured resources.

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Sanctuaries Enforcement Asset Forfeiture Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel Benefits	0	0	0	0	0
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
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	33	3,101	650	650	0
25.3	Other goods and services from Federal sources	0	0	0	0	0
26	Supplies and materials	0	0	0	0	0
31	Equipment	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
99.9	Total Obligations	33	3,101	650	650	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Sanctuaries Enforcement Asset Forfeiture Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less recoveries	0	(100)	0	0	0
Less unobligated balance, SOY	(1,528)	(1,750)	0	0	0
Less unobligated balance, adj SOY	0	0	0	0	0
New offsetting collections	0	(10)	(10)	(10)	0
Plus unobligated balance, EOY	1,750	0	0	0	0
Plus unobligated balance, transferred	0	0	0	0	0
Total Budget Authority	255	1,241	640	640	0
Transfers:					
Appropriation previously unavailable	0	(15)	(74)	(74)	0
Appropriation temporarily reduced	15	74	34	34	0
Mandatory Appropriation	271	1,300	600	600	0

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DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	<u>Positions</u>	<u>FTE</u>	<u>Budget Authority</u>	<u>Direct Obligations</u>
Appropriation Available, 2026	0	0	0	16,437
Less: Adjustments	0	0	0	(3,037)
2027 Estimate	0	0	0	13,400

		<u>2025 Actual</u>		<u>2026 Enacted</u>		<u>2027 Base</u>		<u>2027 Estimate</u>		<u>Increase/Decrease From 2027 Base</u>	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Gulf Coast Restoration Fund	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	3	12,671	0	16,437	0	13,400	0	13,400	0	0
Total: Gulf Coast Restoration Fund	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	3	12,671	0	16,437	0	13,400	0	13,400	0	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease From 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	3	12,671	0	16,437	0	13,400	0	13,400	0	0
Total Obligations	3	12,671	0	16,437	0	13,400	0	13,400	0	0
Adjustments to Obligations:										
New offsetting collections	0	0	0	0	0	0	0	0	0	0
Recoveries	0	(27)	0	(150)	0	0	0	0	0	0
Unobligated balance, SOY	0	(1,334)	0	(3,504)	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	0	0	0	0	0	0	0	0	0
Unobligated balance, transferred	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	3,504	0	0	0	0	0	0	0	0
Collections	0	(14,814)	0	(12,783)	0	(13,400)	0	(13,400)	0	0
Total Budget Authority	3	0	0	0	0	0	0	0	0	0
Financing from Transfers:										
Appropriation previously unavailable	0	0	0	0	0	0	0	0	0	0
Appropriation temporarily reduced	0	0	0	0	0	0	0	0	0	0
Net Appropriation	3	0	0	0	0	0	0	0	0	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund

Goal Statement

The Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund provides funding for the NOAA RESTORE Act Science Program. The purpose of this program is to initiate and sustain an integrative, holistic understanding of the Gulf of America ecosystem and support, to the maximum extent practicable, restoration efforts and the long-term sustainability of the ecosystem, including its fish stocks, fishing industries, habitat, and wildlife through ecosystem research, observation, monitoring, and technology development.

Base Program

To ensure the best use of resources the Program will coordinate with existing Federal and state science and technology programs, including other activities funded under the RESTORE Act. Section 1604 of the RESTORE Act authorized funding for the Program using 2.5 percent of the Gulf Coast Restoration Trust Fund.

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11.1	Full-time permanent	496	0	0	0	0
11.3	Other than full time permanent	0	0	0	0	0
11.5	Other personnel compensation	85	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	581	0	0	0	0
12.1	Civilian personnel Benefits	191	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	72	72	72	72	0
22	Transportation of things	0	0	0	0	0
23.1	Rental payments to GSA	0	0	0	0	0
23.3	Communications, utilities, and miscellaneous charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	11	11	11	11	0
25.2	Other services from non-federal sources	467	500	500	500	0
25.3	Other goods and services from Federal sources	7	0	0	0	0
26	Supplies and materials	74	74	74	74	0
31	Equipment	3	3	3	3	0
41	Grants, subsidies and contributions	11,265	15,777	12,740	12,740	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
99.9	Total Obligations	12,671	16,437	13,400	13,400	0

DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Federal Funds	0	0	0	0	0
Less offsetting collections	(14,814)	(12,783)	(13,400)	(13,400)	0
Change in uncollected payments	0	0	0	0	0
Recoveries	0	0	0	0	0
Less unobligated balance, SOY	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Plus unobligated balance transferred	0	0	0	0	0
Total Budget Authority	0	0	0	0	0
Transfers:					
Transfers from Other Accounts	0	0	0	0	0
Appropriation temporarily reduced	0	0	0	0	0
Mandatory Budget Authority	0	0	0	0	0

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**Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027**

Executive Summary

For FY 2027, NOAA requests a total of \$768,465,000 and 1,806 FTE/ 2,037 positions for National Marine Fisheries Service, including a net decrease of \$537,833,000 and 635 FTE/ 697 positions in program changes.

NOAA's National Marine Fisheries Service (NMFS) is responsible for the management and conservation of living marine resources within the U.S. Exclusive Economic Zone (EEZ) – the area extending from three to 200 nautical miles offshore. NMFS provides critical support to commercial and recreational marine fisheries, which generated \$319 billion in sales impact and supported 2.1 million jobs economy-wide¹, as well as aquaculture industries, which contributed \$1.6 billion worth of seafood or 25 percent of total U.S. seafood production by value in 2023.² NMFS also provides scientific and policy leadership in the international arena, and plays a key role in the management of living marine resources in coastal areas under state jurisdiction.

NMFS implements science-based conservation and management actions aimed at sustaining long-term use and promoting the health of coastal and marine ecosystems for the Nation's benefit. Programmatic authority for fisheries management, species protection, and habitat conservation activities is derived primarily from the Magnuson-Stevens Fishery Conservation and Management Act (MSA), Marine Mammal Protection Act (MMPA), and Endangered Species Act (ESA). Additional legislation provides authority for enforcement, seafood safety, habitat restoration, and cooperative efforts with states, Tribes, interstate fishery commissions, and other countries. All of these activities rely on strong scientific and research capabilities to support the challenging public policy decision process associated with NMFS' stewardship responsibilities.

NOAA's FY 2027 Budget request proposes to transfer ESA and MMPA functions in the NMFS Office of Protected Resources to the Department of the Interior's (DOI) U.S. Fish and Wildlife Service (USFWS).

The FY 2027 Budget consolidates all of NMFS' activities related to ESA and MMPA responsibilities at the Department of the Interior's U.S. Fish and Wildlife Service, which will streamline permitting activities and ensure consistency in ESA and MMPA implementation. This consolidation will improve the efficiency of implementing the ESA by ensuring that only one agency needs to review activities impacting endangered species. With this proposal, FWS will be responsible for listing, delisting, and consulting on activities impacting

¹ National Marine Fisheries Service. 2026. Fisheries Economics of the United States, 2023. U.S. Dept. of Commerce, NOAA Tech. Memo. NMFS-F/SPO-254, p.30 Available at: https://s3.amazonaws.com/media.fisheries.noaa.gov/2026-02/FEUS-2023-web_0.pdf

² National Marine Fisheries Service (2026) Fisheries of the United States, 2023. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2023. Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>

**Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027**

endangered species and would have sufficient funding to maintain marine mammal stock assessments. This merger streamlines ESA implementation and facilitates effective and efficient management of our land and water resources while allowing for the opportunity to decrease costs over time.

Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$11,120,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for NMFS activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration (GSA).

**Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027**

Technical Adjustments

NOAA also requests the following transfers for a net change of \$0 and 0 FTE/ 0 positions to the agency:

From Office	Subactivity	To Office	Subactivity	Amount
NMFS	Atlantic Salmon (ORF)	NMFS	Fisheries and Ecosystem Science Programs and Services (ORF)	\$3,614,000 and 11 FTE/ 12 positions
NMFS	Atlantic Salmon (ORF)	NMFS	Fisheries Management Programs and Services (ORF)	\$1,386,000 and 4 FTE/ 5 positions
NMFS	Pacific Salmon (ORF)	NMFS	Fisheries and Ecosystem Science Programs and Services (ORF)	\$13,475,000 and 54 FTE/ 61 positions
NMFS	Pacific Salmon (ORF)	NMFS	Fisheries Management Programs and Services (ORF)	\$28,525,000 and 116 FTE/ 129 positions

Following the consolidation of ESA and MMPA activities under the Department of Interior, remaining funds supporting salmon-related MSA activities in the ORF Protected Resources Science and Management Activity will be transferred to the ORF Fisheries Science and Management Activity.

Specifically, NOAA requests to transfer \$3,614,000 and 11 FTE / 12 positions from the NMFS Atlantic Salmon (ORF) Subactivity to the NMFS Fisheries and Ecosystem Science Programs and Services Subactivity. NOAA requests to transfer \$1,386,000 and 4 FTE / 5 positions from the NMFS Atlantic Salmon (ORF) Subactivity to the NMFS Fisheries Management Programs and Services (ORF) Subactivity. NOAA requests to transfer \$13,475,000 and 54 FTE / 61 positions from the NMFS Pacific Salmon (ORF) Subactivity to the NMFS Fisheries and Ecosystem Science Programs and Services (ORF) Subactivity. NOAA requests to transfer \$28,525,000 and 116 FTE / 129 positions from the NMFS Pacific Salmon (ORF) Subactivity to the NMFS Fisheries Management Programs and Services (ORF) Subactivity.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management

Subactivity: Atlantic Salmon - transfer to NMFS Fisheries and Ecosystem Science Programs and Services Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	2,261	(1,456)	253
11.3	Other than full-time permanent	1	(1)	0
11.5	Other personnel compensation	15	(11)	0
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	2,277	(1,468)	253
12	Civilian personnel benefits	1,023	(687)	88
13	Benefits for former personnel	60	0	60
21	Travel and transportation of persons	70	(51)	0
22	Transportation of things	5	(4)	0
23	Rent, communications, and utilities	190	0	0
23.1	Rental payments to GSA	39	(140)	0
23.2	Rental Payments to others	35	(28)	0
23.3	Communications, utilities and misc charges	9	(25)	0
24	Printing and reproduction	99	(7)	0
25.1	Advisory and assistance services	1,248	(75)	0
25.2	Other services from non-Federal sources	17	(803)	165
25.3	Other goods and services from Federal sources	0	(14)	0
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	38	(29)	0
31	Equipment	8	(7)	0
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	2,882	(276)	2,500
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	8,000	(3,614)	3,066

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries and Ecosystem Science Programs and Services - transfer from NMFS Atlantic Salmon Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	67,531	1,456	77,959
11.3	Other than full-time permanent	481	1	610
11.5	Other personnel compensation	2,333	11	2,347
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	70,345	1,468	80,916
12	Civilian personnel benefits	25,843	687	30,192
13	Benefits for former personnel	3	0	4
21	Travel and transportation of persons	1,966	51	2,067
22	Transportation of things	306	4	316
23	Rent, communications, and utilities		0	0
23.1	Rental payments to GSA	5,401	140	5,775
23.2	Rental Payments to others	254	28	301
23.3	Communications, utilities and misc charges	2,750	25	2,879
24	Printing and reproduction	114	7	129
25.1	Advisory and assistance services	6,750	75	7,011
25.2	Other services from non-Federal sources	24,223	803	26,732
25.3	Other goods and services from Federal sources	1,494	14	1,643
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	3	0	4
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	2,119	29	2,222
31	Equipment	1,788	7	1,832
32	Lands and structures	1	0	3
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	18,140	276	18,416
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds		0	0
99	Total obligations	161,500	3,614	180,442

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management

Subactivity: Atlantic Salmon - transfer to NMFS Fisheries Management Programs and Services Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	2,261	(559)	253
11.3	Other than full-time permanent	1	0	0
11.5	Other personnel compensation	15	(4)	0
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	2,277	(563)	253
12	Civilian personnel benefits	1,023	(263)	88
13	Benefits for former personnel	60	0	60
21	Travel and transportation of persons	70	(20)	0
22	Transportation of things	5	(1)	0
23	Rent, communications, and utilities	190	0	0
23.1	Rental payments to GSA	39	(54)	0
23.2	Rental Payments to others	35	(11)	0
23.3	Communications, utilities and misc charges	9	(10)	0
24	Printing and reproduction	99	(2)	0
25.1	Advisory and assistance services	1,248	(29)	0
25.2	Other services from non-Federal sources	17	(308)	165
25.3	Other goods and services from Federal sources	0	(6)	0
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	38	(11)	0
31	Equipment	8	(2)	0
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	2,882	(106)	2,500
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	8,000	(1,386)	3,066

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries Management Programs and Services - transfer from NMFS Atlantic Salmon Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	50,842	559	70,134
11.3	Other than full-time permanent	142	0	412
11.5	Other personnel compensation	1,313	4	1,323
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	52,297	563	71,869
12	Civilian personnel benefits	21,718	263	29,188
13	Benefits for former personnel	11	0	13
21	Travel and transportation of persons	1,552	20	1,658
22	Transportation of things	89	1	96
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	54	407
23.2	Rental Payments to others	1,196	11	1,230
23.3	Communications, utilities and misc charges	2,791	10	3,020
24	Printing and reproduction	60	2	71
25.1	Advisory and assistance services	8,272	29	8,498
25.2	Other services from non-Federal sources	30,584	308	33,479
25.3	Other goods and services from Federal sources	1,828	6	2,005
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	1
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	16	0	16
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	291	11	402
31	Equipment	362	2	408
32	Lands and structures	0	0	4
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	16,933	106	17,039
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	138,000	1,386	169,404

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027

Activity: Protected Resources Science and Management

Subactivity: Pacific Salmon - transfer to NMFS Fisheries and Ecosystem Science Programs and Services Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	30,968	(8,775)	3,726
11.3	Other than full-time permanent	395	(127)	0
11.5	Other personnel compensation	9	(3)	0
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	31,372	(8,905)	3,726
12	Civilian personnel benefits	13,422	(3,247)	3,531
13	Benefits for former personnel	3	(1)	0
21	Travel and transportation of persons	652	(34)	554
22	Transportation of things	13	(1)	13
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	2,349	(125)	2,019
23.2	Rental Payments to others	105	(6)	94
23.3	Communications, utilities and misc charges	1,996	(104)	1,673
24	Printing and reproduction	19	(1)	19
25.1	Advisory and assistance services	597	(35)	570
25.2	Other services from non-Federal sources	17,380	(924)	14,930
25.3	Other goods and services from Federal sources	858	(47)	760
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	1	(0)	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	569	(31)	497
31	Equipment	208	(12)	186
32	Lands and structures	36	(2)	30
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	6,170	0	6,170
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	75,750	(13,475)	34,772

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027

Activity: Fisheries Science and Management

Subactivity: Fisheries and Ecosystem Science Programs and Services - transfer from NMFS Pacific Salmon Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	67,531	8,775	77,959
11.3	Other than full-time permanent	481	127	610
11.5	Other personnel compensation	2,333	3	2,347
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	70,345	8,905	80,916
12	Civilian personnel benefits	25,843	3,247	30,192
13	Benefits for former personnel	3	1	4
21	Travel and transportation of persons	1,966	34	2,067
22	Transportation of things	306	1	316
23	Rent, communications, and utilities		0	0
23.1	Rental payments to GSA	5,401	125	5,775
23.2	Rental Payments to others	254	6	301
23.3	Communications, utilities and misc charges	2,750	104	2,879
24	Printing and reproduction	114	1	129
25.1	Advisory and assistance services	6,750	35	7,011
25.2	Other services from non-Federal sources	24,223	924	26,732
25.3	Other goods and services from Federal sources	1,494	47	1,643
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	3	0	4
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	2,119	31	2,222
31	Equipment	1,788	12	1,832
32	Lands and structures	1	2	3
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	18,140	0	18,416
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds		0	0
99	Total obligations	161,500	13,475	180,442

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

**Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027**

Activity: Protected Resources Science and Management

Subactivity: Pacific Salmon - transfer to NMFS Fisheries Management Programs and Services Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	30,968	(18,575)	3,726
11.3	Other than full-time permanent	395	(269)	0
11.5	Other personnel compensation	9	(6)	0
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	31,372	(18,850)	3,726
12	Civilian personnel benefits	13,422	(6,873)	3,531
13	Benefits for former personnel	3	(2)	0
21	Travel and transportation of persons	652	(73)	554
22	Transportation of things	13	(2)	13
23	Rent, communications, and utilities		0	0
23.1	Rental payments to GSA	2,349	(265)	2,019
23.2	Rental Payments to others	105	(12)	94
23.3	Communications, utilities and misc charges	1,996	(219)	1,673
24	Printing and reproduction	19	(3)	19
25.1	Advisory and assistance services	597	(75)	570
25.2	Other services from non-Federal sources	17,380	(1,957)	14,930
25.3	Other goods and services from Federal sources	858	(100)	760
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	1	(1)	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	569	(65)	497
31	Equipment	208	(24)	186
32	Lands and structures	36	(4)	30
33	Investments and loans		0	0
41	Grants, subsidies and contributions	6,170	0	6,170
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	75,750	(28,525)	34,772

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Budget Estimates, Fiscal Year 2027

Activity: Fisheries Science and Management
Subactivity: Fisheries Management Programs and Services - transfer from NMFS Pacific Salmon Subactivity

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	50,842	18,575	70,134
11.3	Other than full-time permanent	142	269	412
11.5	Other personnel compensation	1,313	6	1,323
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	52,297	18,850	71,869
12	Civilian personnel benefits	21,718	6,873	29,188
13	Benefits for former personnel	11	2	13
21	Travel and transportation of persons	1,552	73	1,658
22	Transportation of things	89	2	96
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	265	407
23.2	Rental Payments to others	1,196	12	1,230
23.3	Communications, utilities and misc charges	2,791	219	3,020
24	Printing and reproduction	60	3	71
25.1	Advisory and assistance services	8,272	75	8,498
25.2	Other services from non-Federal sources	30,584	1,957	33,479
25.3	Other goods and services from Federal sources	1,828	100	2,005
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	1	1
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	16	0	16
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	291	65	402
31	Equipment	362	24	408
32	Lands and structures	0	4	4
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	16,933	0	17,039
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	138,000	28,525	169,404

*The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL MARINE FISHERIES SERVICE (NMFS)											
Protected Resources Science and Management	Pos/BA	649	270,083	718	267,955	511	233,714	0	0	(511)	(233,714)
	FTE/OBL	698	268,376	642	267,955	457	233,714	0	0	(457)	(233,714)
Fisheries Science and Management	Pos/BA	1,383	692,365	1,500	715,064	1,707	768,844	1,644	637,671	(63)	(131,173)
	FTE/OBL	1,452	707,484	1,339	715,064	1,524	768,844	1,458	637,671	(66)	(131,173)
Enforcement	Pos/BA	193	77,712	214	81,000	214	81,899	224	69,656	10	(12,243)
	FTE/OBL	208	78,056	191	81,000	191	81,899	198	69,656	7	(12,243)
Habitat Conservation & Restoration	Pos/BA	155	216,669	131	57,684	131	58,366	0	0	(131)	(58,366)
	FTE/OBL	199	149,676	117	57,684	117	58,366	0	0	(117)	(58,366)
NOAA Community Project Funding/NOAA Special Projects	Pos/BA	0	0	0	47,337	0	47,337	0	0	0	(47,337)
	FTE/OBL	0	46,052	0	47,337	0	47,337	0	0	0	(47,337)
TOTAL NMFS - ORF	Pos/BA	2,380	1,256,829	2,563	1,169,040	2,563	1,190,160	1,868	707,327	(695)	(482,833)
	FTE/OBL	2,557	1,249,644	2,289	1,169,040	2,289	1,190,160	1,656	707,327	(633)	(482,833)
TOTAL NMFS - PAC	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Pacific Coastal Salmon Recovery Fund	Pos/BA	2	99,300	2	65,000	2	65,000	0	0	(2)	(65,000)
	FTE/OBL	3	99,510	2	65,408	2	65,000	0	0	(2)	(65,000)
Fisheries Disaster Assistance Fund	Pos/BA	1	300,000	1	300	1	300	1	300	0	0
	FTE/OBL	1	32,052	1	300	1	300	1	300	0	0
Fishermen's Contingency Fund	Pos/BA	0	22	0	349	0	349	0	349	0	0
	FTE/OBL	0	0	0	349	0	349	0	349	0	0
Foreign Fishing Observer 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

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL MARINE FISHERIES SERVICE (NMFS)											
Fisheries Finance Program	Pos/BA	0	405	0	3,507	0	0	0	0	0	0
Account	FTE/OBL	0	405	0	3,507	0	0	0	0	0	0
Federal Ship Financing	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Promote and Develop Fisheries	Pos/BA	0	0	0	10,000	0	0	0	0	0	0
Products	FTE/OBL	0	5,988	0	10,000	0	0	0	0	0	0
Environmental Improvement and	Pos/BA	0	8,206	0	9,063	0	10,678	0	10,678	0	0
Restoration Fund	FTE/OBL	0	15,035	0	9,063	0	10,678	0	10,678	0	0
Limited Access System	Pos/BA	30	17,012	40	16,591	40	16,802	40	16,802	0	0
Administration Fund	FTE/OBL	26	12,847	35	16,740	35	16,807	35	16,807	0	0
Marine Mammal Unusual Mortality	Pos/BA	0	0	0	0	0	0	0	0	0	0
Event Fund	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Western Pacific Sustainable	Pos/BA	0	471	0	0	0	0	0	0	0	0
Fisheries Fund	FTE/OBL	0	514	0	0	0	0	0	0	0	0
Fisheries Enforcement Asset	Pos/BA	0	3,696	0	2,533	0	2,547	0	2,547	0	0
Forfeiture Fund	FTE/OBL	0	2,030	0	3,558	0	3,558	0	3,558	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL MARINE FISHERIES SERVICE (NMFS)											
	Pos/BA	0	3,646	0	4,935	0	5,000	0	5,000	0	0
North Pacific Observer Fund	FTE/OBL	0	2,261	0	5,000	0	5,000	0	5,000	0	0
Seafood Inspection Program Trust	Pos/BA	117	0	128	0	128	0	128	0	0	0
Fund	FTE/OBL	84	19,367	114	20,637	114	21,462	114	21,462	0	0
Recreational Quota Entity Fund	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	4,000	0	4,000	0	4,000	0	0
NMFS Inflation Reduction Act (ORF)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	95	141,572	0	0	0	0	0	0	0	0
NMFS Inflation Reduction Act (PCSRF)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
	Pos/BA	2,530	1,689,587	2,734	1,281,318	2,734	1,290,836	2,037	743,003	(697)	(547,833)
TOTAL NMFS	FTE/OBL	2,766	1,581,225	2,441	1,307,602	2,441	1,317,314	1,806	769,481	(635)	(547,833)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
NOAA Community							
Project Funding/	Pos./BA	0	47,337	0	0	0	(47,337)
NOAA Special	FTE/OBL	0	47,337	0	0	0	(47,337)
Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$47,337, 0 FTE/0 Positions) - This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Protected Resources Science and Management

Goal Statement

The mission of the Protected Resources Science and Management activity is to assess, understand, and conserve the health of protected species, the ecosystems that sustain them, and the communities that value and depend on them.

Base Program

NMFS, in partnership with internal and external stakeholders, uses best available science to develop and implement best practices and conservation actions to reduce threats to protected species and their marine and coastal ecosystems. Protected species include those listed under the Endangered Species Act (ESA) and marine mammals covered by the Marine Mammal Protection Act (MMPA). NMFS programs funded within this activity operate under the legislative authority of the ESA and MMPA. NMFS implements the ESA and MMPA with the U.S. Fish and Wildlife Service (USFWS). In general, USFWS is responsible for the conservation of terrestrial and freshwater aquatic organisms, some marine mammals, and marine turtles on their nesting beaches. NMFS is responsible for the conservation of most marine mammals, most marine and anadromous fish (i.e., fish that migrate from the sea to freshwater to spawn), marine turtles at sea, marine invertebrates (including corals), and marine plants. In addition, the Marine Mammal Commission provides oversight and makes recommendations to NMFS on priority marine mammal issues, and three regional Scientific Review Groups provide independent review of our marine mammal stock assessments.

The Budget proposes to transfer NMFS' ESA and MMPA functions to the Department of the Interior's U.S. Fish and Wildlife Service.

Statement of Operating Objectives

Schedule and Milestones:

Ongoing:

- Review listing petitions and issue 90-day findings, conduct ESA status reviews and issue 12-month findings, and promulgate ESA protective regulations
- Prepare recovery plans and implement recovery actions identified in the plans to improve the status of ESA-listed species
- Designate critical habitat

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- Provide technical assistance, consultation, and authorization services for all Federal agencies' proposed actions (ESA Section 7)
- Work with Take Reduction Teams (TRTs) to achieve MMPA goals through increased compliance monitoring and bycatch assessments
- Evaluate effectiveness and recommend enforcement measures, modify existing regulations, and add protective measures to reduce marine mammal bycatch in fisheries
- Research the effects of human activities on the conservation and recovery of protected species
- Analyze protected species survey data to determine population trends
- Solicit proposals and award Species Recovery Grants to states and Tribes for conservation and recovery activities with a focus on Species in the Spotlight
- Participate in international and regional agreements to further U.S. policy on protected species conservation

Deliverables:

Ongoing:

- ESA proposed and final listing regulations, Section 4(d) rules, and critical habitat regulations
- Formal and informal consultation with other Federal agencies
- New and updated recovery plans for recently listed species with specific actions to prevent species extinction
- Timely issuance of MMPA and ESA permits, including scientific research permits and incidental harassment authorizations
- Improved or newly developed abundance and fishery mortality estimates for stocks
- MMPA List of Fisheries classifying U.S. commercial fisheries into one of three Categories according to the level of incidental mortality or serious injury of marine mammals
- Marine Mammal Stock Assessment Reports

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Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Marine Mammals, Sea	Pos/BA	416	181,894	463	177,955	463	179,621
Turtles, and Other Species	FTE/OBL	439	183,131	414	177,955	414	179,621
Species Recovery Grants	Pos/BA	4	5,620	4	6,250	4	6,255
	FTE/OBL	2	5,374	4	6,250	4	6,255
Atlantic Salmon	Pos/BA	16	7,947	19	8,000	2	3,066
	FTE/OBL	19	7,680	17	8,000	2	3,066
Pacific Salmon	Pos/BA	213	74,622	232	75,750	42	34,772
	FTE/OBL	238	72,191	207	75,750	37	34,772
Total Protected Resources	Pos/BA	649	270,083	718	267,955	511	223,714
Science and Management	FTE/OBL	698	268,376	642	267,955	457	223,714

Marine Mammals, Sea Turtles, and Other Species

Under the legislative authority of the ESA and MMPA, this budget line supports activities that conserve and recover species threatened or endangered with extinction, as well as most marine mammals. The programs under this budget line aim to sustain marine and anadromous species and the ecosystems on which they depend, and to enable economic development in a manner compatible with species conservation and recovery.

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Major components of this budget line include:

Listing (ESA Section 4): Any U.S. citizen or organization may petition NMFS to list a species as threatened or endangered, reclassify an already listed species, or revise designated critical habitat under the ESA. Once a petition is received, NMFS has 90 days to make an initial determination and 12 months for determining whether the listing or reclassification is warranted. Details of the listing process can be found at <https://www.fisheries.noaa.gov/national/endangered-species-conservation/listing-species-under-endangered-species-act>.

Recovery (ESA Section 4): The ESA requires NMFS to use all methods and procedures to bring listed species to the point where the protections of the ESA are no longer necessary. NMFS oversees and conducts these methods and procedures to allow the species and its ecosystems to recover, as well as to ensure that listed species remain functioning members of the ecosystems we all depend upon. Details on the recovery actions can be found at <https://www.fisheries.noaa.gov/national/endangered-species-conservation/recovery-species-under-endangered-species-act>. These actions are important to provide communities with healthier ecosystems, cleaner water, greater opportunities for recreation, and the opportunity for current and future generations to share the benefits of diverse and healthy natural resources.

Species Stock Assessment and Monitoring (ESA Section 4, MMPA Sections 115 and 117): This program supports protected species stock assessment and monitoring activities using a variety of observation and survey methods, including use of marine acoustics, unmanned systems, surveys (ship, aerial, and shore-based), and telemetry. To adequately support management decisions, assessments are comprehensive and include estimates of abundance and distribution, as well as analysis of historical trends, serious injury and mortality levels, life history and demographics, and impacts of human activities (e.g., noise, climate, habitat, and ecosystem change). NMFS collects this basic assessment data so it can be as targeted as possible in prescribing mitigation measures that affect commercial and recreational activities. Details on marine mammal stock assessments can be found at <https://www.fisheries.noaa.gov/national/marine-mammal-protection/marine-mammal-stock-assessments>.

Research (ESA Section 4, MMPA Sections 115 and 117): NMFS conducts research to inform conservation and management actions, focusing on the biology, behavior, and health of marine mammal species; genetic differentiation; ecosystem interactions; and effects of human activities on the recovery and conservation of protected species. Effective conservation requires understanding how human and natural factors influence the viability of marine species and their ecosystems.

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Interagency Consultation (ESA Section 7): ESA Section 7 requires Federal agencies to ensure that any action they fund, authorize, or undertake is not likely to jeopardize the continued existence of threatened or endangered species or result in the destruction or adverse modification of critical habitat that has been designated for these species. This consultation with Federal action agencies enables authorization for lawful activities—such as construction of roads and bridges, commercial fishing, energy development, or defense readiness training—in a manner that is compatible with species conservation and recovery.

Permits and Authorizations (ESA Section 10 and MMPA Sections 101 and 104): Under the ESA and MMPA, NMFS issues permits and authorizations (often with required mitigation measures) to allow activities that may result in the direct and indirect take of a protected species. Permits and take authorizations cover scientific research and the incidental take and harassment of marine mammals by otherwise lawful activities such as seismic surveys, construction activities, or military readiness training exercises when those activities are deemed to have negligible impact on the species. Details on permits and authorizations of protected species can be found at <https://www.fisheries.noaa.gov/insight/understanding-permits-and-authorizations-protected-species>.

Conservation Planning (ESA Section 10): When non-Federal entities—such as states, counties, local governments, and private landowners—wish to conduct an otherwise lawful activity that might incidentally, but not intentionally, “take” a listed species, an incidental take permit must first be obtained from NMFS. NMFS reviews the Conservation Plans submitted by permit applicants that are designed to offset harmful effects that a proposed activity might have on listed species and issues permits accordingly.

Bycatch Reduction (ESA Section 4, MMPA Section 118): Fishing gear can accidentally capture protected species, such as marine mammals, seabirds, and sea turtles. NMFS works with the fishing industry and others through Take Reduction Teams or other means to modify fishing gear or practices to minimize bycatch and its impact.

Co-Management with Alaska Native Organizations (MMPA Section 119): Co-management promotes full and equal participation by Alaska Natives in decisions affecting the subsistence management of marine mammals (to the maximum extent allowed by law) as a tool for conserving marine mammal populations in Alaska. NMFS has entered into agreements with Alaska Native groups to manage harvested marine mammal stocks, and will continue to actively engage in activities to support the cooperative management of these stocks under the agreements.

Marine Mammal Health and Stranding Response Program (MMPA Title IV): NMFS is the lead Federal agency to coordinate marine mammal stranding networks, responses, and investigations of marine mammal mortality events. The Marine Mammal Health and Stranding Response Program (MMHSRP) has also been highly successful in developing public-private partnerships that provide

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emergency response to live or dead marine mammals and investigate the health of marine mammal populations in the wild. The more than 100 stranding network partners are volunteers and trained professionals from nonprofit organizations; aquaria; universities; and coastal state, local, and Tribal governments. Each member plays an important role in helping NMFS meet our congressional mandates. Data collected from stranded animals are valuable for informing marine mammal stock assessment reports, identifying key species recovery activities, monitoring ocean health, and identifying natural and manmade causes of stranding, illness, and death in marine mammals around the United States. Details on the MMHSRP can be found at <https://www.fisheries.noaa.gov/national/marine-life-distress/marine-mammal-health-and-stranding-response-program>.

Prescott Grants Program: The Prescott Grants Program provides competitive grants to stranding network organizations to rescue, rehabilitate, or investigate sick, injured, or distressed live marine mammals and to determine the cause of death or disease of dead marine mammals. To date, the program has led to significant improvements within the stranding network, enabling members to expand response coverage over wider geographic areas; enhance capabilities and data collection; upgrade rehabilitation facilities; evaluate rehabilitation success; increase understanding of the causes of disease and mortality; and provide safer operations for both animals and people.

Species Recovery Grants (ESA Section 6, Fish and Wildlife Coordination Act)

Recovery and conservation actions for listed species under NMFS jurisdiction are implemented through Species Recovery Grants, which are awarded to states and Tribes. Details on Species Recovery Grants can be found at <https://www.fisheries.noaa.gov/grant/species-recovery-grants-states> and <https://www.fisheries.noaa.gov/grant/species-recovery-grants-tribes>. For listed species, funding supports activities such as reducing or removing significant sources of mortality and injury, assessing and monitoring species status and trends, developing conservation plans, conserving habitat, and engaging the public in conservation efforts. Funding may also support monitoring of candidate species and recently delisted species.

Atlantic Salmon (ESA Sections 4, 7, 10)

These programs provide funding for the conservation and recovery of ESA-listed Atlantic salmon in the Northeast. Gulf of Maine Atlantic salmon are co-managed by NMFS, USFWS, the Maine Department of Marine Resources, and the Penobscot Indian Nation. Under the legislative authority provided in the ESA, the MSA Essential Fish Habitat provisions, and a joint Statement of Cooperation with the co-managers, NMFS is responsible for marine stock assessments, designating critical habitat, estuary and marine interagency Section 7 consultations and habitat conservation planning, and minimizing dam impacts.

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Pacific Salmon (ESA, All Sections)

Under the legislative authority of the ESA, NMFS conducts interagency Section 7 consultations, habitat conservation planning, and listing and recovery actions to recover threatened and endangered Pacific salmon and steelhead. NMFS also conducts research, monitoring, and analysis to provide managers and regional stakeholders the tools and information necessary to advance salmonid recovery to ensure biological sustainability of Pacific salmonids and the ecosystems on which they depend. Partnerships among Federal, state, local, and Tribal entities, together with non-governmental and private organizations, are key to restoring healthy salmon.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Marine							
Mammals, Sea	Pos./BA	463	179,621	0	0	(463)	(179,621)
Turtles, and	FTE/OBL	414	179,621	0	0	(414)	(179,621)
Other Species							

Marine Mammals, Sea Turtles, and Other Species (-\$179,621, -414 FTE/ -463 Positions) – This request consolidates the ESA and MMPA activities of the Office of Protected Resources at the Department of the Interior's U.S. Fish and Wildlife Service. This proposal achieves efficiencies by centralizing all ESA and MMPA work within the Department of the Interior, which will include all activities related to ESA and MMPA responsibilities for marine mammals, sea turtles, and other species. This will help streamline the regulatory process and allow NMFS to focus on the management of commercial and recreational fisheries and supporting American seafood competitiveness.

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PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Protected Resources Science and Management

Subactivity: Marine Mammals, Sea Turtles, and Other Species

Program Change: Marine Mammals, Sea Turtles, and Other Species

Title	Grade	Number	Annual Salary	Total Salaries
Fish and Wildlife Administrator	ZP-V	(10)	169,279	(1,692,790)
Fish and Wildlife Administrator	ZP-IV	(7)	121,785	(852,495)
Natural Resources Management and Biological Sciences	ZP-IV	(103)	121,785	(12,543,855)
Natural Resources Management and Biological Sciences	ZP-III	(177)	85,447	(15,124,119)
Fish Biologist	ZP-IV	(43)	121,785	(5,236,755)
Fish Biologist	ZP-III	(72)	85,447	(6,152,184)
Management and Program Analyst	ZA-IV	(10)	121,785	(1,217,850)
Management and Program Analyst	ZA-III	(23)	85,447	(1,965,281)
Mathematics and Statistics	ZP-IV	(8)	121,785	(974,280)
Mathematics and Statistics	ZP-III	(10)	85,447	(854,470)
Total		(463)		(46,614,079)
Less adjustment		49		4,931,770
Total full-time permanent (FTE)		(414)		(41,682,309)
2027 Pay Adjustment (0%)				0
				(41,682,309)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(414)		
Total FTE		(414)		
Authorized Positions:				
Full-time permanent		(463)		
Total Positions		(463)		

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(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management
Subactivity: Marine Mammals, Sea Turtles, and Other Species

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	61,638	41,506	41,682	0	(41,682)
11.3	Other than full-time permanent	463	458	459	0	(459)
11.5	Other personnel compensation	1,270	1,255	1,255	0	(1,255)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	63,371	43,219	43,396	0	(43,396)
12	Civilian personnel benefits	24,077	18,140	18,513	0	(18,513)
13	Benefits for former personnel	1,075	29	29	0	(29)
21	Travel and transportation of persons	2,120	3,126	3,140	0	(3,140)
22	Transportation of things	158	233	238	0	(238)
23	Rent, communications, and utilities	0			0	0
23.1	Rental payments to GSA	4,725	4,725	4,823	0	(4,823)
23.2	Rental Payments to others	546	805	817	0	(817)
23.3	Communications, utilities and misc charges	1,197	1,765	1,765	0	(1,765)
24	Printing and reproduction	117	173	179	0	(179)
25.1	Advisory and assistance services	5,742	8,468	8,604	0	(8,604)
25.2	Other services from non-Federal sources	22,597	36,959	37,662	0	(37,662)
25.3	Other goods and services from Federal sources	3,310	4,881	4,960	0	(4,960)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	3	4	5	0	(5)
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	11	16	16	0	(16)
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	1,639	2,417	2,456	0	(2,456)
31	Equipment	675	995	1,018	0	(1,018)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	51,768	52,000	52,000	0	(52,000)
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	Total obligations	183,131	177,955	179,621	0	(179,621)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Species							
Recovery	Pos./BA	4	6,255	0	0	(4)	(6,255)
Grants	FTE/OBL	4	6,255	0	0	(4)	(6,255)

Species Recovery Grants Program Termination (-\$6,255, -4 FTE /-4 Positions) – This request does not propose funding for the Species Recovery Grants program. This program provided funding to states and tribes to support recovery actions for ESA-listed species.

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PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Protected Resources Science and Management

Subactivity: Species Recovery Grants

Program Change: Species Recovery Grants Termination

<u>Title</u>	<u>Grade</u>	<u>Number</u>	<u>Annual Salary</u>	<u>Total Salaries</u>
Fisheries Biologist - Silver Spring, MD	ZP-III	(3)	85,447	(256,341)
Fisheries Biologist - Silver Spring, MD	ZP-IV	(1)	121,785	(121,785)
Total		(4)		(378,126)
Less adjustment				
Total full-time permanent (FTE)		(4)		(378,126)
2027 Pay Adjustment (0.0%)				
				(378,126)
<u>Personnel Data Summary</u>				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(4)		
Total FTE		(4)		
Authorized Positions:				
Full-time permanent		(4)		
Total Positions		(4)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management

Subactivity: Species Recovery Grants

	2025	2026	2027	2027	Decrease
Object Class	Actual	Estimate	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	291	376	378	0	(378)
11.3 Other than full-time permanent	0	1	1	0	(1)
11.5 Other personnel compensation	4	6	6	0	(6)
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	295	383	385	0	(385)
12 Civilian personnel benefits	111	143	144	0	(144)
13 Benefits for former personnel	0	0	0	0	0
21 Travel and transportation of persons	14	14	14	0	(14)
22 Transportation of things	0	0	0	0	0
23 Rent, communications, and utilities	0			0	0
23.1 Rental payments to GSA	159	159	159	0	(159)
23.2 Rental Payments to others	3	3	3	0	(3)
23.3 Communications, utilities and misc charges	3	3	3	0	(3)
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	26	26	26	0	(26)
25.2 Other services from non-Federal sources	448	448	450	0	(450)
25.3 Other goods and services from Federal sources	13	13	13	0	(13)
25.4 Operation and maintenance of facilities	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 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	1	1	1	0	(1)
31 Equipment	1	1	1	0	(1)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	4,300	5,056	5,056	0	(5,056)
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 Total obligations	5,374	6,250	6,255	0	(6,255)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Atlantic Salmon	Pos./BA	2	3,066	0	0	(2)	(3,066)
	FTE/OBL	2	3,066	0	0	(2)	(3,066)

Atlantic Salmon (-\$3,066, -2 FTE/ -2 Positions) –This request consolidates ESA and MMPA activities at the Department of the Interior’s U.S. Fish and Wildlife Service. Atlantic Salmon funding for MSA-related activities will transfer to the Fisheries Science and Management activity.

This proposal achieves efficiencies by centralizing all ESA and MMPA work within the Department of the Interior, which will include all salmon related ESA responsibilities. This proposal will help streamline the regulatory process and allow NMFS to focus on the management of commercial and recreational fisheries and support American seafood competitiveness.

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Protected Resources Science and Management

Subactivity: Atlantic Salmon

Program Change: Atlantic Salmon

Title	Grade	Number	Annual Salary	Total Salaries
Supvy Fish & Wildlife Administrator	ZP5	(1)	167,560	(167,560)
Biological Science Technician	ZT III	(1)	85,447	(85,447)
Total		(2)		(253,007)
Less adjustment		0		0
Total full-time permanent (FTE)		(2)		(253,007)
2027 Pay Adjustment (0.0%)				0
				(253,007)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(2)		
Total FTE		(2)		
Authorized Positions:				
Full-time permanent		(2)		
Total Positions		(2)		

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(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management

Subactivity: Atlantic Salmon

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	2,510	2,261	253	0	(253)
11.3	Other than full-time permanent	1	1	0	0	0
11.5	Other personnel compensation	17	15	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,528	2,277	253	0	(253)
12	Civilian personnel benefits	1,023	1,023	88	0	(88)
13	Benefits for former personnel	60	60	60	0	(60)
21	Travel and transportation of persons	70	70	0	0	0
22	Transportation of things	5	5	0	0	0
23	Rent, communications, and utilities			0	0	0
23.1	Rental payments to GSA	190	190	0	0	0
23.2	Rental Payments to others	39	39	0	0	0
23.3	Communications, utilities and misc charges	35	35	0	0	0
24	Printing and reproduction	9	9	0	0	0
25.1	Advisory and assistance services	99	99	0	0	0
25.2	Other services from non-Federal sources	677	1,248	165	0	(165)
25.3	Other goods and services from Federal sources	17	17	0	0	0
25.4	Operation and maintenance of facilities	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 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	38	38	0	0	0
31	Equipment	8	8	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	2,882	2,882	2,500	0	(2,500)
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	Total obligations	7,680	8,000	3,066	0	(3,066)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Pacific Salmon	Pos./BA	42	34,772	0	0	(42)	(34,772)
	FTE/OBL	37	34,772	0	0	(37)	(34,772)

Pacific Salmon (-\$34,772, -37 FTE/ -42 Positions) – This request consolidates ESA and MMPA activities at the Department of the Interior’s U.S. Fish and Wildlife Service. Pacific Salmon funding for MSA-related activities will transfer to the Fisheries Science and Management activity.

This proposal achieves efficiencies by centralizing all ESA and MMPA work within the Department of the Interior, which will include all salmon related ESA responsibilities. This proposal will help streamline the regulatory process and allow NMFS to focus on the management of commercial and recreational fisheries and support American seafood competitiveness.

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Protected Resources Science and Management

Subactivity: Pacific Salmon

Program Change: Pacific Salmon

Title	Grade	Number	Annual Salary	Total Salaries
Fish Biologist	ZP-IV	(4)	121,785	(487,140)
Fish Biologist	ZP-III	(15)	85,447	(1,281,705)
Fish Biologist	ZP-II	(3)	57,736	(173,208)
Fish Biologist Technology Information Specialist, IT Specialist	ZP-III	(8)	85,447	(683,576)
Supervisory Ecologist/Fish Biologist	ZP-V	(3)	169,279	(507,837)
Supervisory Ecologist/Fish Biologist	ZP-IV	(9)	121,785	(1,096,065)
		<u>(42)</u>		
Total		(42)		(4,229,531)
Less adjustment		<u>5</u>		<u>503,314</u>
Total full-time permanent (FTE)		(37)		(3,726,217)
2027 Pay Adjustment (0%)				<u>0</u>
				(3,726,217)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		<u>(37)</u>		
Total FTE		(37)		
Authorized Positions:				
Full-time permanent		<u>(42)</u>		
Total Positions		(42)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Protected Resources Science and Management

Subactivity: Pacific Salmon

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	35,253	30,968	3,726	0	(3,726)
11.3	Other than full-time permanent	449	395	0	0	0
11.5	Other personnel compensation	10	9	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	35,712	31,372	3,726	0	(3,726)
12	Civilian personnel benefits	13,422	13,422	3,531	0	(3,531)
13	Benefits for former personnel	1,041	3	0	0	0
21	Travel and transportation of persons	652	652	554	0	(554)
22	Transportation of things	13	13	13	0	(13)
23	Rent, communications, and utilities	0		0	0	0
23.1	Rental payments to GSA	2,349	2,349	2,019	0	(2,019)
23.2	Rental Payments to others	105	105	94	0	(94)
23.3	Communications, utilities and misc charges	1,996	1,996	1,673	0	(1,673)
24	Printing and reproduction	19	19	19	0	(19)
25.1	Advisory and assistance services	597	597	570	0	(570)
25.2	Other services from non-Federal sources	8,444	17,380	14,930	0	(14,930)
25.3	Other goods and services from Federal sources	858	858	760	0	(760)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	1	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	569	569	497	0	(497)
31	Equipment	208	208	186	0	(186)
32	Lands and structures	36	36	30	0	(30)
33	Investments and loans	0		0	0	0
41	Grants, subsidies and contributions	6,170	6,170	6,170	0	(6,170)
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	Total obligations	72,191	75,750	34,772	0	(34,772)

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Activity: Fisheries Science and Management

Goal Statement

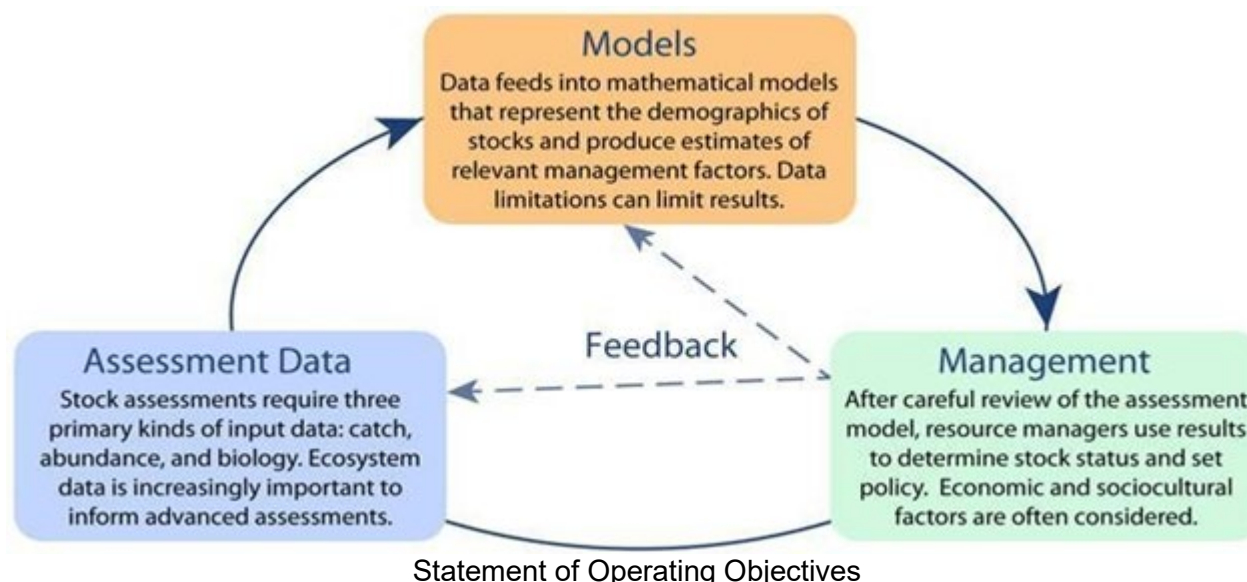
The Fisheries Science and Management activity encompasses scientific and management activities to ensure sustainability of the Nation's marine fishery resources.

Base Program

NMFS manages marine fisheries, including aquaculture, using the best available science and in partnership with the eight Regional Fishery Management Councils, state and Federal partners, and regional fishery management organizations for international fisheries. NMFS actions supported by the Fisheries Science and Management activity result in sustainable fisheries harvest and production, rebuilding of depleted fish stocks, conservation of essential fish habitats, and other support for fishing businesses and communities. NMFS' science, which is rigorously peer-reviewed, ensures management decisions are based on the highest-quality scientific information. NMFS conducts science on species' responses to environmental changes; impacts of fishing and other human activities on fisheries and their habitat; strategies for resilience and adaptation to changing oceans; and social, cultural, and economic behavior that influence interactions between humans and marine fisheries.

This activity also supports the fisheries management regulatory process, which involves extensive opportunity for public input into management decisions, and thorough analysis of alternatives to meet statutory requirements and agency priorities. This work occurs in close coordination with Regional Fishery Management Councils, Interstate Marine Fisheries Commissions, the Atlantic Highly Migratory Species Advisory Panel, and states. It is a process where science informs management. Managers need high quality science to make important decisions to ensure sustainable fisheries and coastal communities and healthy ecosystems. An example of this process is shown in the graphic below illustrating how data feeds into mathematical models to estimate stock biomass, fishing effort, and other reference points that are used to inform management actions.

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Schedule and Milestones:

Fisheries and Ecosystem Science Programs and Services (FY 2027 – FY 2031):

- *Economics and Social Science:* Assess the economic performance of commercial and recreational fisheries; provide information and analysis of seafood markets and trade; assess costs, benefits, and impacts of fishery management actions; assess social and economic conditions in fishing communities; integrate social, cultural, and economic considerations into management and science products
- *Ecosystem Science:* Continue to work with resource managers to provide needed science products that deliver ecosystem-based science information and trade-off analyses to inform management decisions for evolving constituent-defined management issues in Integrated Ecosystem Assessment (IEA) regions; maintain and strengthen close connections between ecosystem science and stock assessments; continue to develop and advance understanding of the best strategies for fisheries management and fishing communities to adapt to changing ocean conditions; and continue to incorporate long-term

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ecosystem observations into science products designed to improve management of U.S. living marine resources; consider ecosystem dynamics in fishery-independent data collection designs and plans (e.g. surveys)

- *Fisheries Oceanography*: Continue fisheries oceanography research programs to advance the understanding of ecosystem impacts on living marine resources to improve assessments; conduct assessments for key stocks managed by the Commission for the Conservation of Antarctic Marine Living Resources
- *IT and Information Analysis*: Improve the development of fishery stock assessments and ecosystem based scientific advice by leveraging cloud computing; continue efforts to modernize data collection pipelines and storage to make the data available to internal and external users more quickly; leverage advanced technologies, including artificial intelligence to facilitate data analysis.

Fisheries Data Collections, Surveys, and Assessments (FY 2027 – FY 2031):

- *Fisheries Monitoring, Assessment, and Forecasting*: Conduct and expand fishery-independent surveys; develop advanced sampling technologies to enhance data collection for stock assessments; improve timely delivery of fish stock assessments to fishery managers; and further the implementation of the next-generation stock assessment framework
- *Cooperative Research*: Retain key cooperative fishery-independent surveys across the country by leveraging recreational and commercial fishing vessels as survey platforms (in consultation with regional stakeholders, Fishery Management Councils, and Commissions). Additionally, NMFS will administer the Northeast Research Set-Aside (RSA) competitive research grant programs.
- *Survey and Monitoring Projects*: Fishery-independent assessments of reef fish abundance and life history characteristics of economically and ecologically important reef fish species in shelf and upper slope waters from Cape Lookout to Cape Canaveral

Observers and Training (FY 2027 – FY 2031):

- Provide safe and high-quality monitoring in fisheries nationwide, with a goal of maintaining high-priority observer programs and, as necessary, expanding observer coverage in existing fisheries and implementing new observer programs for fisheries identified with monitoring needs related to bycatch and protected species interactions
- Maintain monitoring for the fisheries with observer coverage to provide accurate catch and bycatch data
- Coordinate observer program activities at the national level by developing new standards, policies, and procedures to improve regional observer programs

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Fisheries Management Programs and Services (FY 2027 – FY 2031):

- *Regional Fishery Management Councils Support:* Develop fishery management measures, using public input and the best available science and tools such as annual catch limits (ACLs) and accountability measures (AMs) and vulnerability assessment tools
- *Atlantic Highly Migratory Species (HMS) Management Support:* Develop fishery management measures, using public input and the best available science and tools such as ACLs and AMs
- *Electronic Monitoring and Reporting:* Implement Electronic Monitoring (EM) and Electronic Reporting (ER) options in key fisheries, including work with Regional Councils to implement such programs
- *Reducing Bycatch:* Develop technological solutions and investigate changes in fishing practices designed to minimize bycatch of fish and protected species
- *Product Quality and Safety:* Provide National Seafood Inspection Laboratory analysis, data management, and regulatory compliance risk analysis to help ensure the Nation's seafood industry is economically sustainable and complies with food regulations.
- *Illegal, Unreported, and Unregulated (IUU) Fishing:* Address Magnuson-Stevens Fishery Conservation and Management Act (MSA) mandates to implement IUU fishing/bycatch identification, monitoring, and certification procedures, and foreign nation capacity building; submit biennial status reports to Congress; review shipments of imported fishery products to monitor for evidence of IUU fishing and fraudulently labeled seafood; and improve SIMP to more effectively target high-risk shipments from nations that violate international fishing regulations.
- Address E.O. 14276 objectives to improve access to foreign markets and address unfair trade practices—including IUU fishing and unjustified non-tariff barriers—while ensuring a fair and competitive market for U.S. seafood producers.

Aquaculture (FY 2027 – FY 2031):

- Encourage industry permit applications in recently identified Aquaculture Opportunity Areas (AOAs) - one each in Southern California and the Gulf of America - through regulatory efficiency, industry engagement, and other outreach measures
- Carry out collaborative aquaculture research, including establishing aquaculture pilot projects, with the newly established Cooperative Institute Fostering Aquaculture Research and Markets (CIFARM)
- Continue spatial planning and regulatory efficiency initiatives culminating in the identification of an AOA in Alaska state waters, and initiate the process to identify a fourth AOA. These include seeking robust public input, conducting spatial planning, publishing draft and final Programmatic Environmental Impact Statement (PEIS), and conducting key scientific analyses to inform the PEIS

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- Continue scientific and other support for coastal shellfish farming, including implementing a 2022 partnership with USDA for a Northeast Oyster Breeding Center, and continue to build and operate the Gulf of America Oyster Breeding Center
- Establish and expand regional research capacity to support aquaculture industry development (e.g., kelp and seaweed farming, offshore aquaculture, novel shellfish farming practices, disease management, genetics)
- Advance Science Center research to support environmentally sound aquaculture practices such as genetics and water quality modeling, and work with NOS to refine and apply aquaculture siting tools (e.g. Ocean Reports)
- Collaborate with interagency partners on regulatory efficiency and streamlining efforts. Develop science-based tools for management and collaborate with Federal partners to facilitate the efficient review of aquaculture permit applications
- Lead and support interagency aquaculture economic development efforts (e.g., develop business planning tools, support workforce development and training programs, economic analyses, support investment in processing and other infrastructure)

Salmon Management Activities (FY 2027 – FY 2031):

- Support the operations and maintenance of Columbia River hatcheries to mitigate the loss of fish production due to hydropower dams
- Conduct a broad range of salmon stock assessment and fishery monitoring programs in the Snake and Columbia Rivers

Regional Councils and Fisheries Commissions (FY 2027 – FY 2031):

- Continue to revise Fishery Management Plans (FMPs) and amendments to prevent overfishing, rebuild overfished fisheries, and promote sustainability of commercial, recreational, and subsistence wild caught fisheries
- Complete socioeconomic analyses for fishery management actions
- Work with Councils to implement electronic technologies for fishery monitoring and integrate ecosystem-based fishery management approaches that use climate informed science advice
- Complete necessary environmental analyses and support Council action to remove regulations determined to be outdated, unnecessary, or ineffective, to reduce the burden on commercial, recreational, and subsistence fishermen

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Deliverables:

Fisheries and Ecosystem Science Programs and Services (FY 2027 – FY 2031):

- *Economics and Social Science*: Assessments of the benefits/cost-effectiveness of fisheries rebuilding programs, habitat and protected species recovery programs, and decision support tools; and, improved quantitative models for conducting benefit-cost analyses and predicting how fishery participants will respond to changes in management measures
- *Ecosystem Science*: Updated ecosystem-status reports and risk and vulnerability assessments delivered to resource managers in the IEA regions; evaluation of best strategies for fisheries management and fishing-community adaptation for changing ocean conditions; and delivery of environmental indicators and predicted impacts on managed species to appropriate stock assessment scientists and Regional Fishery Management Councils
- *Fisheries Oceanography*: Completed stock assessments for targeted stocks of krill, fishes, and crabs managed by the Commission for the Conservation of Antarctic Marine Living Resources
- *IT and Information Analysis*: Technical expertise and capacity infrastructure for data collection, processing, sharing, and archiving for Integrated Ocean Observing System, NOAA Environmental Data Management Committee, NMFS Enterprise Data Management, NMFS Fisheries Information Systems, NMFS Marine Recreational Information Program, and Data.gov

Fisheries Data Collections, Surveys, and Assessments (FY 2027 – FY 2031):

- *Fisheries Monitoring, Assessment, and Forecasting*: Fishery-independent surveys to provide ongoing data for stock assessments; stock assessment reports based on a next-generation stock assessment framework for key stocks; and more precise estimates of recreational catch through improved surveys
- *Cooperative Research*: Data collection efforts that support fisheries management decisions and also improve fishermen's understanding of and confidence in the information used in fisheries management through their involvement in data collection; documentation of final reports for individual cooperative research projects conducted in partnership with stakeholders, with corresponding data archived at the Fisheries Science Centers and added to the NMFS InPort Centralized documentation (metadata) repository; resulting data improves the information base for single-species, multispecies, and ecosystem assessment models and ultimately improves the evaluation of stock status and the management of fishery resources
- *Survey Monitoring Projects*: Data provided for use in stock assessments and in support of other research and management needs; Fishery, habitat, biological, and environmental data collected from inshore and offshore surveys provided to Regional Councils for incorporation into regional species stock assessments and for development of effective fisheries and habitat management strategies

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Observers and Training (FY 2027 – FY 2031):

- Information on catch, bycatch, discards, and biological data necessary for in-season monitoring and stock assessments; as well as information on fishing effort, fishing gear, and specific fishing techniques that minimize bycatch
- National Observer Program (NOP) reports and biennial updates to the U.S. National Bycatch Report (NBR)

Fisheries Management Programs and Services (FY 2027 – FY 2031):

- Fisheries regulations, FMPs, and amendments that maintain and restore productive stocks important to commercial, recreational, Tribal, and subsistence fisheries
- Analysis and research results to identify, consult, and certify nations whose vessels engage in IUU fishing, bycatch of Protected Living Marine Resources (PLMR) and certain shark catches on the high seas. Recommendations provided to the Secretary of Commerce, after coordination with other Federal agencies, on possible fishery-product trade prohibitions and port restrictions on nations whose vessels engage in the above activities
- Source data on fishery product imports tracing back to the harvest area and analysis of shipment documentation, which will be used to verify accuracy, identify trends in import of IUU fishery products and fraudulently labeled seafood, and target high-risk shipments from nations that violate international fishing regulations
- Improvements in fishing gear and fishing practices to reduce bycatch
- Electronic technology implemented for priority fisheries, including cost-effective applications that complement observer coverage, improve data collection and analysis, and ensure compliance with recordkeeping and reporting regulations
- Improved timeliness in the administration of fishery disaster relief, contingent on available supplemental fishery disaster relief appropriations

Aquaculture (FY 2027 – FY 2031):

- Increased domestic aquaculture production and associated jobs
- More efficient aquaculture permitting systems in state and Federal waters
- Aquaculture demonstration projects and new capacity for offshore aquaculture research (e.g. engineering) and market development
- Communications products to inform the public about sustainable aquaculture science and management topics
- Reports on three complementary, interagency efforts to support sustainable aquaculture development: (1) regulatory efficiency, (2) science collaboration, (3) and economic development

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- Application of science-based tools and science advice products for management that ensure the efficient review of aquaculture permit applications

Salmon Management Activities (FY 2027 – FY 2031):

- Enhanced salmon fisheries in the Columbia Basin, along the West Coast, and in Alaska through meeting Mitchell Act requirements for maintenance of salmon smolt production under Mitchell Act hatchery programs
- Broad range of salmon stock assessment and fishery monitoring programs conducted in the Snake and Columbia Rivers

Regional Councils and Commissions (FY 2027 – FY 2031):

- Draft amendments to FMPs
- Socioeconomic data on the impacts of fishery management actions to help managers evaluate the benefits and costs of different activities, prioritize needs, and encourage policies that maximize societal benefits from ocean and coastal resources
- Reduced regulatory burden on commercial and recreational fishermen through the determination and removal of outdated, unnecessary, or ineffective regulations, leading to increased economic fisheries value and/or improved recreational activities

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Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Fisheries and Ecosystem Science Programs and Services	Pos/BA	467	157,404	517	161,500	590	180,442
	FTE/OBL	436	158,541	462	161,500	527	180,442
Fisheries Data Collections, Surveys, and Assessments	Pos/BA	363	203,953	387	214,054	387	215,822
	FTE/OBL	428	218,773	344	214,054	344	215,822
Observers and Training	Pos/BA	117	58,246	127	58,383	127	58,749
	FTE/OBL	113	62,095	114	58,383	114	58,749
Fisheries Management Programs and Services	Pos/BA	356	136,097	381	138,000	515	169,404
	FTE/OBL	378	135,648	339	138,000	459	169,404
Aquaculture	Pos/BA	33	23,897	39	25,000	39	25,150
	FTE/OBL	44	18,707	35	25,000	35	25,150
Salmon Management Activities	Pos/BA	35	65,144	37	69,750	37	69,924
	FTE/OBL	44	60,628	34	69,750	34	69,924
Regional Councils and Fisheries Commissions	Pos/BA	11	44,247	11	45,000	11	45,974
	FTE/OBL	9	47,441	10	45,000	10	45,974
Interjurisdictional Fisheries Grants	Pos/BA	1	3,377	1	3,377	1	3,379
	FTE/OBL	0	5,651	1	3,377	1	3,379
Total Fisheries Science and Management	Pos/BA	1,383	692,365	1,500	715,064	1,707	768,844
	FTE/OBL	1,452	707,484	1,339	715,064	1,524	768,844

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Explanation and Justification

Sustainable fisheries play an important role in the Nation's economy by providing opportunities for commercial, recreational and subsistence fishing, and marine aquaculture, to increase our Nation's supply of seafood. In 2023, commercial and recreational saltwater fishing in the U.S. generated over \$319 billion in sales impacts and supported nearly 2.1 million jobs in the U.S. marine fishing sector and across the broader economy³. The U.S. aquaculture industry produced \$1.6 billion worth of seafood in 2023, which equals about 25 percent of total U.S. seafood production by value⁴. By working towards ending overfishing, rebuilding stocks, applying an ecosystem-based management approach to the stewardship of fishery resources, and supporting development of marine aquaculture, we strengthen the near and long-term value of U.S. fisheries to commercial and recreational fishing businesses, fishing communities, and the national economy.

Fisheries and Ecosystem Science Programs and Services

This budget supports NMFS science to prevent and eliminate overfishing, rebuild overfished stocks, support sustainable aquaculture, conserve and restore habitats, and support fishing communities. The following are some of the major programs and activities funded within the budget line.

Fisheries Science Base Activities: NMFS conducts science used for the analysis and decision-making needed for ecosystem-based fisheries management, FMPs and regulatory implementation, and enforcement to ensure compliance with regulations. Funding supports:

- Regional Science and Operations - core survey and science work in the regional Science Centers (Centers) such as fishery catch monitoring, survey and stock assessments, charters for survey vessels, fuel, supplies, etc. This includes research projects at the Centers, including collaborative research with other institutions on topics such as pelagic fisheries and groundfish.
- Recreational Fisheries Information, such as the Marine Recreational Information Program
<https://www.fisheries.noaa.gov/topic/recreational-fishing-data>

³ National Marine Fisheries Service. 2026. Fisheries Economics of the United States, 2023. NOAA Tech. Memo. NMFS-F/SPO-254, 30 p., p. 3. Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-economics-united-states>

⁴ National Marine Fisheries Service (2026). Fisheries of the United States, 2023. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2023, p. 13. Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>.

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- Science and management activities in support of the Marine National Monuments <https://www.fisheries.noaa.gov/pacific-islands/habitat-conservation/marine-national-monuments-pacific>
- West Coast Groundfish Management and Research - key stock assessment science that supports management of more than 80 fish stocks along the coasts of Washington, Oregon, and California
- Development and implementation of EM and ER; working with industry to integrate technology into data collections and observations to improve the timeliness, quality, integration, cost effectiveness, and accessibility of fishery-dependent data (<https://www.fisheries.noaa.gov/national/fisheries-observers/electronic-technologies>)
- Science to substantially increase sustainable domestic aquaculture; enabling important contributions to the U.S. seafood supply, job creation in coastal communities, and reduced reliance on imported seafood (currently 75 to 90 percent of U.S. seafood is imported⁵). Marine aquaculture is also used to enhance commercial and recreational fisheries and habitats

Economics and Social Science Research (<https://www.fisheries.noaa.gov/topic/socioeconomics>)

NMFS economists and social scientists conduct legislatively mandated (e.g., NEPA, MSA) economic and social analysis for almost 300 rulemakings each year. Underpinning these assessments is a broad range of socioeconomic data collection, modeling, and, increasingly, a number of commercial and recreational fisheries decision support tools. This work addresses traditional fishery management issues (e.g. effects of rebuilding programs, catch share programs, aquaculture, and fishery allocation decisions on fishermen and communities) and emerging coastal and marine resource management issues such as ecosystem services trade-offs and valuation, and community resilience.

Ecosystem Science (<https://www.fisheries.noaa.gov/topic/ecosystems>)

NMFS implements ecosystem-based approaches to management, which rely upon research that integrates biological, socioeconomic, environmental, and oceanographic data into predictive models that improve NOAA's ability to manage resources over the long-term. This includes: the Integrated Ecosystem Assessment (IEA) program, which assesses ecosystem status and trends relative to ecosystem management goals, analyze risks and uncertainty, and evaluate trade-offs between management options (<https://www.integratedecosystemassessment.noaa.gov/>); the NOAA Changing Ecosystems and Fisheries Initiative (CEFI) (<https://www.fisheries.noaa.gov/national/ecosystems/changing-ecosystems-and-fisheries-initiative>) which will deliver the robust projections of future ecosystem conditions, risk assessments and management strategies decision-makers need for informed fisheries management and community adaptation; and the Ecosystem Productivity (EP) program, which provides decision-makers

⁵National Marine Fisheries Service (2026). Fisheries of the United States, 2023. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2023, p. 23. Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>

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with information on how ocean conditions impact U.S. marine ecosystems and the communities and economies that depend on them. EP provides observations, research, assessments, and estimates of ocean condition impacts on living marine resources of the Bering Sea and Gulf of Alaska. EP also supports an array of sensors designed to detect changes in nutrients, productivity, and biological abundances and diversity along a latitudinal gradient extending from the northern Bering Sea to the Chukchi and Beaufort Seas. This area includes some of the Nation's richest commercial fishing grounds (5.3 billion pounds of seafood were landed in Alaska with a value of \$1.6 billion in 2023⁶) as well as protected species and other resources that native communities depend on.

Fisheries Oceanography

The U.S. Antarctic Marine Living Resources Convention Act requires that the Department of Commerce conduct directed scientific research to "achieve the United States goal of effective implementation of the objectives of the Convention [on the Conservation of Antarctic Marine Living Resources]." NOAA's Antarctic Ecosystem Research Program implements the U.S. AMLR program in support of U.S. policy interests related to Antarctic resource management. NMFS scientists operate land-based predator research (e.g., counting seals and penguins and monitoring their reproductive success, body condition, and diet) and ship-based research (e.g., conducting oceanographic, trawl surveys, acoustic surveys, and small boat operations) to describe the fundamental relationships between Antarctic krill, krill's predators, finfish, and key environmental variables under changing sea ice conditions. This program is NOAA's only dedicated, long-term ecological presence in the Antarctic, with observations dating back to 1986 (<https://swfsc.noaa.gov/aerd/>).

IT and Information Analysis

Requirements and directives for data collection, management, and dissemination are included in the MSA, Marine Mammal Protection Act (MMPA), Endangered Species Act (ESA), Aquaculture Act of 1980, Data Quality Act, and other policies and directives. The information analysis and dissemination program supports the NMFS infrastructure and staff that process, analyze, and produce data and disseminate it to resource managers and other users.

Fisheries Data Collections, Surveys, and Assessments

Funds in this budget line support data collection, data management, and fisheries stock assessment production. Providing accurate and timely assessments of fish and shellfish stocks that support commercial and recreational fisheries is one of NMFS' core

⁶ National Marine Fisheries Service (2026). Fisheries of the United States, 2023. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2023., p. 8 Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>

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functions. Stock assessments provide the technical basis for fishery management decisions, such as setting annual catch limits (ACLs) to achieve optimum yield from the fishery while avoiding overfishing and ecosystem harm. Stock assessment models estimate a stock's status over time and forecast future dynamics to advise fishery managers in their development of sustainable harvest levels. They are most reliable when they incorporate high quality data on fishery removals, stock abundance and biology, and ecosystem and environmental variability (<https://www.fisheries.noaa.gov/topic/population-assessments#fish-stocks>).

The following are some of the major programs and activities funded within the budget line:

Activities include: fishery dependent and independent data collection, surveys; data analysis and stock assessment modeling; advanced sampling technologies; habitat, and other ecosystem indicators; and stock assessment model improvements. In addition, NMFS addresses critical gaps in stock assessments as identified in program reviews and the implementation of the new stock assessment improvement plan and prioritization process. This process defines target frequency and assessment levels for each stock and facilitates the implementation of a next generation stock assessment framework. This framework includes assessments linked to ecosystem and habitat dynamics where appropriate, and provides baseline monitoring for all Federally-managed fish stocks (<https://www.fisheries.noaa.gov/feature-story/updated-stock-assessment-improvement-plan-builds-past-success>).

Fisheries Statistics

NMFS manages and conducts data collection, data processing, statistical analysis, information management, and statistical reporting activities for commercial and recreational fisheries. Accurate data and reliable statistics on fishing effort and catch are essential for assessing fish stocks, as well as for monitoring performance relative to wild fishery management targets and aquaculture objectives.

Fisheries Information Networks (FINs)

This program supports several state-Federal cooperative programs that coordinate data collection, data management, and information management activities, which are essential for accurate monitoring of commercial and recreational fishing impacts. These programs collect data and manage information on fishing participation, fishing effort, and catch. They also help collect fishery-dependent biological data needed for stock assessments (<https://www.fisheries.noaa.gov/national/commercial-fishing/fisheries-information-system-program>).

Survey and Monitoring Projects

Projects include support for bluefin tuna tagging research, red snapper monitoring and research, West Coast groundfish surveys, Alaska extended jurisdiction programs, Maine and New Hampshire inshore trawl surveys, Bering Sea Pollock research, Gulf of Maine groundfish assessment, Marine Resources Monitoring, Assessment, and Prediction Program (MARMAP), and the Southeast Area

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Monitoring and Assessment Program (SEAMAP), to name a few. These targeted surveys and biological investigations improve the information available to conduct accurate stock assessments and directly contribute to the *Percentage of FSSI Stocks with Adequate Population Assessments and Forecasts* (performance indicator 3.4).

MARMAP is a cooperative fisheries project conducted by NMFS and the South Carolina Marine Resources Research Institute (MRRI). For more than 40 years, the MRRI has conducted fishery-independent surveys and research on groundfish, reef fish, and coastal pelagic fishes between Cape Lookout, North Carolina and Cape Canaveral, Florida.

SEAMAP supports the collection of fishery-independent data through state, Federal, and university partnerships by way of cooperative agreements (<https://www.fisheries.noaa.gov/southeast/funding-and-financial-services/southeast-area-monitoring-and-assessment-program-seamap>).

American Fisheries Act (AFA)

NMFS collects data to support the following management measures for the AFA: 1) regulations that limit access and allocate Bering Sea and Aleutian Islands (BSAI) pollock to the fishing and processing sectors of the BSAI pollock fishery, 2) regulations governing the formation and operation of fishery cooperatives in the BSAI pollock fishery, 3) regulations to protect other fisheries from spillover effects from the AFA, and 4) regulations governing catch measurement and monitoring in the BSAI pollock fishery.

Cooperative Research Program

NMFS conducts cooperative research to enable commercial and recreational fishermen to become involved in collecting fundamental fisheries information that supports management options. Through cooperative research, industry and other stakeholders can partner with NMFS and university scientists in all phases of the research program—planning the survey and statistical design, conducting research, analyzing data, and communicating results (<https://www.fisheries.noaa.gov/sustainable-fisheries/national-cooperative-research-program>).

Observers and Training

This budget line supports information and analyses on the biological, ecological, economic, and social aspects of the Nation's fisheries resources. The scientific data collected by observer programs provide critical inputs for population assessments of threatened and endangered species such as sea turtles, seabirds, and marine mammals, and for effective management of the Nation's fish stocks. The authority to place observers on commercial fishing and processing vessels is provided by the MSA, MMPA,

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and ESA. Fisheries observer programs are proven, unbiased, and valuable sources of information on the Nation's fisheries, and are a reliable and cost-effective means to collect fishery-dependent data.

Observers monitor fishing activities across all five NMFS regions and collect data for a range of conservation and management issues in various fisheries. This includes information on fishing practices, vessel and gear characteristics, fishing locations and times, environmental conditions within the fishing grounds, catch and bycatch, and socioeconomic data (<https://www.fisheries.noaa.gov/topic/fishery-observers>).

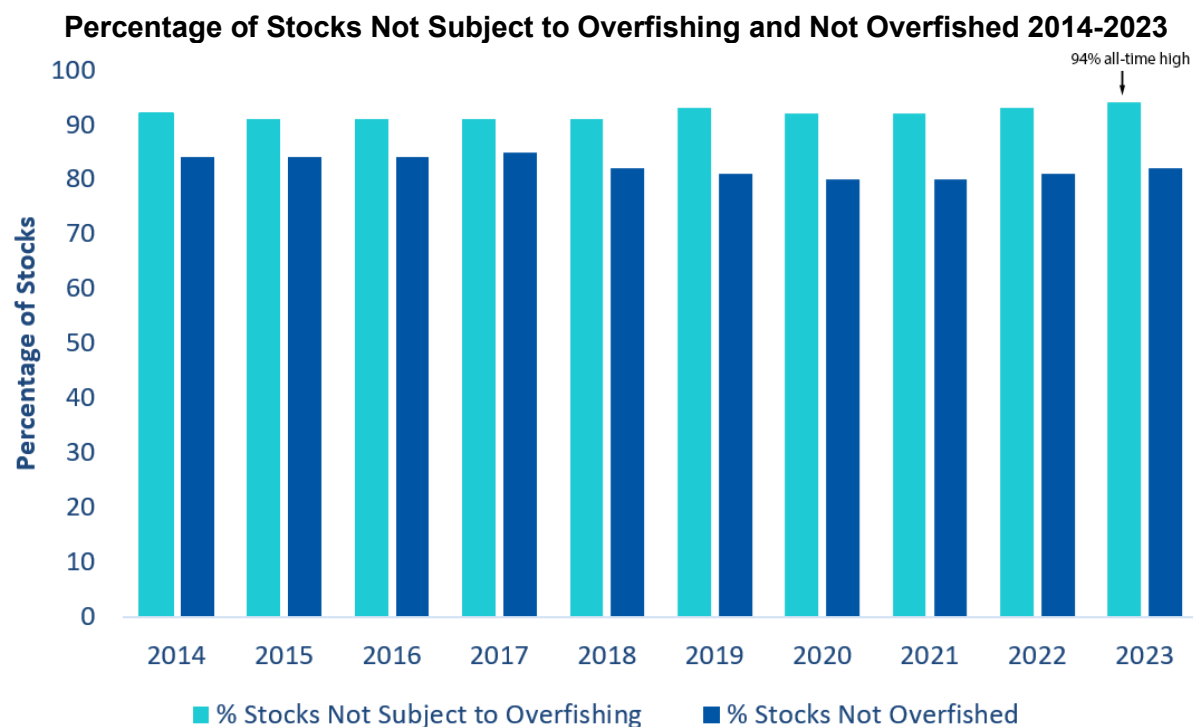
Fisheries Management Programs and Services

Under the MSA and other fisheries legislation, this budget line supports: management actions to effectively prevent and eliminate overfishing, rebuild overfished stocks, support sustainable aquaculture, develop and implement catch share programs, and implement ecosystem-based management to support sustainable and economically resilient fisheries, fishing businesses, and communities. As a result of this work, 50 fish stocks have been rebuilt since 2000 and the number of stocks experiencing overfishing, or determined to be overfished, are at near all-time lows.

These funds support NMFS efforts to deliver the following services, including analysis and decision-making to support fisheries management and regulatory implementation:

- Develop, implement, monitor and adjust (if required) ACLs and AMs
- Implement international requirements of regional fishery management organizations (RFMOs) consistent with MSA and other laws applicable to respective RFMOs, for example, Atlantic Tunas Convention Act, etc.
- Combat IUU Fishing [Note: Enforcement actions required to prosecute and deter IUU fisheries actions are covered in the NMFS Enforcement Activity]
- Develop and promulgate National Standard Guidance
- Support Regional Fishery Management Councils, Interstate Marine Fishery Commissions, and the Atlantic Highly Migratory Species Program
- Incorporate EM and ER technologies into fishery management
- Support the use of ecosystem-based fishery management approaches to strengthen the economic resiliency of fisheries

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(Annual Report to Congress: Status of Stocks 2023.

<https://www.fisheries.noaa.gov/national/sustainable-fisheries/status-stocks-2023>)

NMFS supports the development, implementation, and improvement of catch share programs where determined appropriate by the regional fishery management councils and for Atlantic highly migratory species. These programs have numerous benefits including increased flexibility for fishermen to determine when and how they fish. “Catch share” programs are a market-based approach to fisheries management that allocate a specific portion of the total allowable fishery catch to individuals, cooperatives, communities, or other entities. Depending on the nature of the fishery, catch share programs can provide significant advantages including ensuring

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annual catch limits are not exceeded; reducing costs to produce seafood, market gluts, and bycatch; extending fishing seasons; and improving fishermen's safety.

NMFS helps ensure that the Nation's seafood industry is economically sustainable and complies with food regulations. Funding supports the National Seafood Inspection Laboratory, which provides an analytical laboratory, data management, and regulatory compliance risk analysis. Analytical testing of seafood products and aquatic animal byproducts includes microbiological analysis of biological pathogens, non-pathogenic organisms, and chemical contaminants. Voluntary services are also part of the program, and include sanitation evaluation, product inspection and certification, auditing of food quality and safety programs, and training.

Aquaculture

The NOAA Aquaculture Program is a cross-line office collaboration between NMFS, OAR, and NOS that provides the science, services, and policies that create conditions for opportunity and growth of sustainable U.S. aquaculture. Each NOAA Line Office partner has distinct and complementary roles:

- NMFS leads the program and focuses on developing policies, regulations, and science-based tools for management to support streamlined permitting systems. (<https://www.fisheries.noaa.gov/topic/aquaculture>)
- The OAR National Sea Grant College Program supports industry development and extension with integrated research and technology transfers primarily through competitive grants. (<https://seagrant.noaa.gov/Our-Work/Aquaculture>)
- NOS National Centers for Coastal Ocean Science supports development of coastal planning tools to inform siting decisions (<https://coastalscience.noaa.gov/science-areas/aquaculture/cass/>)

This budget line supports efforts to unleash America's aquaculture potential to advance seafood competitiveness as part of NOAA's National Seafood Strategy⁷, and supports the Executive Orders Promoting American Seafood Competitiveness and Economic Growth⁸ (2020) and Restoring American Seafood Competitiveness⁹ (2025). Benefits include increasing the Nation's seafood supply,

⁷ National Marine Fisheries Service. 2023. NOAA's National Seafood Strategy. U.S. Department of Commerce. Available at: <https://www.fisheries.noaa.gov/s3/2023-08/2023-07-NOAAFisheries-Natl-Seafood-Strategy-final.pdf>

⁸ Executive Order 13921 Promoting American Seafood Competitiveness and Economic Growth. Available at: <https://www.federalregister.gov/documents/2020/05/12/2020-10315/promoting-american-seafood-competitiveness-and-economic-growth>

⁹ Executive Order 14276 Restoring American Seafood Competitiveness. Available at: <https://www.federalregister.gov/documents/2025/04/22/2025-07062/restoring-american-seafood-competitiveness>

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improving trade balance with other nations, and creating jobs. NMFS' aquaculture activities are led by the Office of Aquaculture (OAQ). NMFS' base funding supports the following priority areas, which are guided by NOAA's 2022 Aquaculture Strategic Plan¹⁰:

- Manage sustainably and efficiently: Improve regulatory processes for sustainable coastal and marine aquaculture through collaboration with state and Federal partners.
- Lead science for sustainability: Use world-class science expertise to meet management and industry needs for a thriving seafood production sector and share this knowledge broadly.
- Educate and exchange information: Build awareness and support for coastal, marine, and Great Lakes aquaculture through two-way communication with stakeholders and partners.
- Support economic viability and growth: Facilitate a robust aquaculture industry that thrives as a key component of a resilient seafood sector.

The U.S. is a major consumer of aquaculture products, yet it is a minor producer. The Nation currently imports 75 to 90 percent of its seafood¹¹, over half of which is from foreign-produced aquaculture. This reliance on foreign imports resulted in a \$20.0 billion seafood trade deficit in 2023¹², which moves potential seafood jobs overseas and poses a risk to food security. Given wild fish stocks are at or near maximum harvest levels, the single greatest opportunity to increase the seafood supply is through domestic aquaculture.

Salmon Management Activities

This budget line supports NMFS' research and management activities associated with salmon not listed under the ESA. Funding for the Mitchell Act component supports the operations and maintenance of Columbia River hatcheries through grants and contracts to the states of Washington, Oregon, and Idaho, and to the U.S. Fish and Wildlife Service, to mitigate the loss of salmon on the Columbia and Snake Rivers.

The Pacific Salmon Treaty component funds NMFS and the states of Alaska, Washington, Oregon, and Idaho to provide personnel support to the Pacific Salmon Commission's technical committees and conduct a broad range of salmon stock assessment and

¹⁰ National Marine Fisheries Service. 2022. Marine Aquaculture Strategic Plan FY 2023-2028. U.S. Department of Commerce. Available at: <https://www.fisheries.noaa.gov/resource/document/noaa-aquaculture-strategic-plan-2023-2028>

¹¹ National Marine Fisheries Service (2026). Fisheries of the United States, 2023. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2023, p. 23. Available at: <https://www.fisheries.noaa.gov/national/sustainable-fisheries/fisheries-united-states>. (Note: due to data availability, aquaculture production data lags the rest of the publication by one year.)

¹² Ibid, p. 19.

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fishery monitoring programs required to implement the treaty provisions. These fisheries and river management programs are carried out in locations from southeast Alaska to Oregon, including the Columbia River. U.S. and Canadian Parties negotiated amendments to five Pacific Salmon Treaty fishing regimes contained in Annex IV. The current agreement, in force from 2019 through 2028, addresses conservation concerns through recommendations for reduced harvest of Chinook salmon in both U.S. and Canadian fisheries. NMFS collaborates closely with state and Tribal representatives to the Pacific Salmon Commission to develop annual spend plans implementing the recommendations. Funds provided to date support these spend plans.

Base funds also support genetic stock identification research which includes the collection, analysis, and testing of methods that rely on genetics-based data to identify and track the location of Federally protected stocks in the wild. Genetic stock identification programs improve salmon management and avoid harvest of weak salmon stocks by identifying the movement and location of individual stocks.

Regional Councils and Fisheries Commissions

NOAA is the sole source of funding for the eight Regional Fishery Management Councils. The Councils were established by the MSA to prepare FMPs aimed at preventing and eliminating overfishing and rebuilding overfished stocks for the Nation's fisheries. Funding in this budget line is divided among the eight Councils and is used for their operating costs (e.g., staff, rent, public meetings, Council member salaries, and travel). Funding also supports the activities of the Interstate Marine Fisheries Commissions, and International Fisheries Commissions. Funds provide critical operational support to the commissions and states for development and implementation of sustainable fishery management measures.

Interjurisdictional Fisheries Grants

The Interjurisdictional Fisheries Act of 1986 (IFA) is a formula-based financial assistance program to promote state activities in support of the management of interjurisdictional fisheries resources. Any state, either directly or through an interstate commission, may submit a grant proposal that supports management of fishery resources that: 1) occur in waters under the jurisdiction of one or more states and in the U.S. EEZ; 2) are managed under an interstate FMP; or (3) migrate between the waters under the jurisdiction of two or more states bordering on the Great Lakes. Past examples of projects funded through these grants include research on: blue crab spawning in Florida; American lobster settlement in Maine; and fishery catch statistics, stock status, and management actions for state of Alaska managed fisheries including sablefish, lingcod, black and blue rockfish, and Pacific cod.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Fisheries and Ecosystem							
Science Programs and Services	Pos./BA	590	180,442	578	137,089	(12)	(43,353)
	FTE/OBL	527	180,442	515	137,089	(12)	(43,353)

Fisheries and Ecosystem Science Programs and Services Reduction (-\$43,353, -12 FTE/ -12 Positions) –With this request, NMFS will concentrate on its core functions: fisheries surveys, stock assessments, ecosystem research, and socioeconomic analyses focused on species and regions of greatest economic and ecological significance. NMFS will enhance collaboration with partners and adopt innovative, cost-effective methods to optimize critical data collection and research continuity. While meeting core statutory mandates, NMFS will preserve highest-priority field surveys and cooperative research, and essential laboratory studies, including life history, age and growth, and genetic research. Stock assessments and ecosystem status reports that directly inform management decisions will remain a top priority. Socioeconomic analyses will continue to support key regulatory actions, and targeted ecosystem science will provide essential insights into ocean fluctuations and fishery sustainability.

At this funding level, NMFS will scale back a number of lower priority research and monitoring activities across its science centers. Socioeconomic fisheries research, food habits studies, life history investigations, gear research, and lower-priority surveys that support assessments will be reduced in many regions. Several specialized or regional programs will also be phased out, including offshore wind development science. Funding for the Center for Independent Experts—responsible for independent external reviews of scientific products—will be reduced by 50 percent. NMFS will also reduce by 50 percent Antarctic field work supporting U.S. participation in the Commission for the Conservation of Antarctic Marine Living Resources (CCAMLR). NMFS remains committed to delivering essential science to support sustainable fisheries and healthy marine ecosystems.

Schedule and Milestones (FY 2027 – FY 2031):

- Complete prioritized fisheries surveys and stock assessments annually
- Deliver Antarctic scientific advice for U.S. delegation to annual Commission for the Conservation of Antarctic Marine Living Resources meetings, at a reduced capacity

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Deliverables (FY 2027 – FY 2031):

- Information and analysis provided for seafood markets and trade; costs, benefits, and impacts of fishery management actions assessed; conditions in fishing communities assessed and economic considerations incorporated into management and science products
- Maintain and strengthen consideration of ecosystem science in stock assessments, where warranted
- Technical expertise provided for data collection, processing, sharing, and archiving
- Regional annual ecosystem status reports produced

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	2027	2028	2029	2030	2031
Performance Measures					
Change in target Fish Stock Assessment Target Index*					
With Decrease	735	709	678	647	632
Without Decrease	748	745	724	685	675
Outyear Costs:					
Direct Obligations	(43,353)	(43,353)	(43,353)	(43,353)	(43,353)
Capitalized	0	0	0	0	0
Uncapitalized	(43,353)	(43,353)	(43,353)	(43,353)	(43,353)
Budget Authority	(43,353)	(43,353)	(43,353)	(43,353)	(43,353)
Outlays	(26,445)	(38,584)	(40,752)	(42,486)	(43,353)
FTE	(12)	(12)	(12)	(12)	(12)
Positions	(12)	(12)	(12)	(12)	(12)

*<https://www.fisheries.noaa.gov/national/population-assessments/fish-stock-assessment-report>

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Fisheries and Ecosystem Science Programs and Services

Program Change: Fisheries and Ecosystem Science Programs and Services Reduction

Title	Grade	Number	Annual Salary	Total Salaries
Fish Biologist (HI)	ZP-III	(2)	111,812	(223,624)
Fish Biologist (Seattle, WA)	ZP-III	(2)	120,376	(240,752)
Fish Biologist (La Jolla, CA)	ZP-III	(2)	122,343	(244,686)
Fish Biologist (Woods Hole, MA)	ZP-III	(2)	121,300	(242,600)
Fish Biologist (Miami, FL)	ZP-III	(2)	114,063	(228,126)
Fish Biologist (Silver Spring, MD)	ZP-III	(2)	122,544	(245,088)
Total		(12)		(1,424,876)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(12)		(1,424,876)
2027 Pay Adjustment (0%)				0
				(1,424,876)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(12)		
Total FTE		(12)		
Authorized Positions:				
Full-time permanent		(12)		
Total Positions		(12)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries and Ecosystem Science Programs and Services

	Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	63,100	67,531	77,959	76,534	(1,425)
11.3	Other than full-time permanent	449	481	610	610	0
11.5	Other personnel compensation	2,180	2,333	2,347	2,347	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	65,729	70,345	80,916	79,491	(1,425)
12	Civilian personnel benefits	24,389	25,843	30,192	29,665	(527)
13	Benefits for former personnel	988	3	4	3	(1)
21	Travel and transportation of persons	1,966	1,966	2,068	568	(1,500)
22	Transportation of things	306	306	316	16	(300)
23	Rent, communications, and utilities			0	0	0
23.1	Rental payments to GSA	5,401	5,401	5,775	2,775	(3,000)
23.2	Rental Payments to others	254	254	301	151	(150)
23.3	Communications, utilities and misc charges	2,750	2,750	2,879	1,879	(1,000)
24	Printing and reproduction	114	114	129	29	(100)
25.1	Advisory and assistance services	6,750	6,750	7,011	2,663	(4,348)
25.2	Other services from non-Federal sources	26,349	24,223	26,731	11,731	(15,000)
25.3	Other goods and services from Federal sources	1,494	1,494	1,644	644	(1,000)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	3	3	4	2	(2)
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	2,119	2,119	2,222	1,222	(1,000)
31	Equipment	1,788	1,788	1,831	831	(1,000)
32	Lands and structures	1	1	3	3	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	18,140	18,140	18,416	5,416	(13,000)
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds			0	0	0
99	Total obligations	158,541	161,500	180,442	137,089	(43,353)

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		2027 Base		2027 Estimate		Increase from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Fisheries Data Collections, Surveys, and Assessments	Pos./BA	387	215,822	393	220,822	6	5,000
	FTE/OBL	344	215,822	348	220,822	4	5,000

Modernize Fisheries Surveys and Data Collection Using Advanced Technology (+\$5,000, +4 FTE/ +6 Positions) – This request proposes a \$5.0 million investment in NMFS’ survey program to maintain and modernize surveys for high priority, economically important fisheries stocks, thereby improving fisheries management and supporting American seafood competitiveness. To support fisheries management mandates of the MSA, NMFS is required to use the best scientific information available, typically through data collection and provision of stock assessment analysis, in a timely manner. Dynamic ocean conditions are altering the distribution and production of living marine resources at a pace that requires modernization of data collection and improved analysis. NMFS cannot effectively understand and respond to the dynamics of living marine resources by only maintaining its existing survey capacity and approaches. Traditional vessel-based survey methods are often costly, limited in geographic and temporal scope, and constrained by seasonal and weather-dependent operational windows. Emerging technologies—such as uncrewed surface vehicles (USVs), autonomous underwater vehicles (AUVs), advanced optical and acoustic sensors, remote sensing, and environmental DNA (eDNA) — offer an unprecedented opportunity to expand survey coverage, reduce operational costs, and provide higher-resolution data in near real-time.

In recent years, NMFS has invested in strategic new technologies and essential data, including active and passive acoustic data, optical data, satellite and remote sensing data, uncrewed systems, and eDNA/’omics. Data from these investments have already been used in some stock assessments, but further implementation and transition to operations require additional resources. NMFS is proactively planning to fill data gaps, working with OMAO and considering application of advanced sampling technologies where appropriate. With additional resources in FY 2027, NMFS will invest in technologies that can expand data collection in conjunction with traditional surveys (\$3.0 million); improve investments in data processing to deliver data to managers in a timely manner (\$1.0 million); and also continue to invest R&D in the next generation of technologies which can transform and improve NMFS programs (\$1.0 million). These actions are aligned with direction in Executive Order 14276 “Restoring American Seafood Competitiveness” to

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modernize data collection and analytical practices that will improve the responsiveness of fisheries management to real-time conditions.

Schedule and Milestones (FY 2027 – FY 2031):

- Conduct at least 123 fisheries surveys per year
- Expand the integration of advanced technologies (e.g., USVs, AUVs, remote sensing, eDNA) in fishery-independent surveys by at least 15 percent
- Fund 1-2 new R&D projects per year specifically focused on developing and transitioning advanced technologies for operational data collection capabilities in stock assessments

Deliverables (FY 2027 – FY 2031):

- Essential data time series for stock assessments produced and challenges mitigated related to platform and staffing issues as well as changing marine ecosystems
- Scientific understanding of current and projected distributions of marine resources improved, leading to more adaptive management strategies
- Data collection improved and process efficiencies implemented

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Performance Measures	2027	2028	2029	2030	2031
Total number of surveys conducted per year					
With Increase	123	122	121	120	119
Without Increase	123	121	119	117	115
Total number of assessments conducted using data from advanced technologies					
With Increase	25	26	27	28	30
Without Increase	25	25	25	25	25
Outyear Costs:					
Direct Obligations	5,000	5,000	5,000	5,000	5,000
Capitalized	0	0	0	0	0
Uncapitalized	5,000	5,000	5,000	5,000	5,000
Budget Authority	5,000	5,000	5,000	5,000	5,000
Outlays	3,050	4,450	4,700	4,900	5,000
FTE	4	6	6	6	6
Positions	6	6	6	6	6

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Fisheries Data Collections, Surveys, and Assessments

Program Change: Modernize Fisheries Surveys and Data Collection Using Advanced Technology

<u>Title</u>	<u>Grade</u>	<u>Number</u>	<u>Annual Salary</u>	<u>Total Salaries</u>
Fish Biologist (HI)	ZP-03	1	111,812	111,812
Fish Biologist (Seattle, WA)	ZP-03	2	120,376	240,752
Fish Biologist (La Jolla, CA)	ZP-03	1	122,343	122,343
Fish Biologist (Woods Hole, MA)	ZP-03	1	121,300	121,300
Fish Biologist (Miami, FL)	ZP-03	1	114,063	114,063
Total		6		710,270
Less lapse	25.00%	(2)		(177,568)
Total full-time permanent (FTE)		4		532,702
2027 Pay Adjustment (0%)				0
				532,702

Personnel Data Summary

Full-time Equivalent Employment (FTE)

Full-time permanent

Total FTE

4

4

Authorized Positions:

Full-time permanent

Total Positions

6

6

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(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries Data Collections, Surveys, and Assessment

	2025	2026	2027	2027	Increase
Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	60,442	49,066	49,254	49,787	533
11.3 Other than full-time permanent	406	329	330	330	0
11.5 Other personnel compensation	2,353	1,910	1,910	1,910	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	63,201	51,305	51,494	52,027	533
12 Civilian personnel benefits	23,352	23,352	23,748	23,945	197
13 Benefits for former personnel	1,312	3	3	3	0
21 Travel and transportation of persons	1,744	1,312	1,327	1,352	25
22 Transportation of things	506	506	511	511	0
23 Rent, communications, and utilities				0	0
23.1 Rental payments to GSA	61	61	165	165	0
23.2 Rental Payments to others	348	348	360	360	0
23.3 Communications, utilities and misc charges	6,017	6,017	6,017	6,019	2
24 Printing and reproduction	178	178	185	185	0
25.1 Advisory and assistance services	9,017	9,017	9,161	10,361	1,200
25.2 Other services from non-Federal sources	25,746	34,664	35,411	38,411	3,000
25.3 Other goods and services from Federal sources	136	136	220	220	0
25.4 Operation and maintenance of facilities	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 and maintenance of equipment	3	3	3	4	1
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	4,270	4,270	4,311	4,323	12
31 Equipment	2,181	2,181	2,205	2,235	30
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	80,691	80,691	80,691	80,691	0
42 Insurance claims and indemnities	10	10	10	10	0
43 Interest and dividends	0	0	0	0	0
44 Refunds	0	0		0	0
99 Total obligations	218,773	214,054	215,822	220,822	5,000

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Eiseries Data							
Collections, Surveys, and	Pos./BA	387	215,822	377	196,826	(10)	(18,996)
Assessments	FTE/OBL	344	215,822	334	196,826	(10)	(18,996)

Fisheries Surveys and Data Collection Reduction (-\$18,996, -10 FTE/ -10 Positions) – This request will shift a number of data acquisition operations to more cost effective methods and reduce the frequency of lower priority fisheries data collection activities in order to prioritize core surveys and technological advancements. In alignment with Executive Order 14276 “Restoring American Seafood Competitiveness,” NOAA will prioritize improving survey efficiencies and incorporation of new technologies compatible with its current foundational provision of scientific information. This request reduces survey activities that provide less critical data to assessments and analysis results used in resource management decisions. NOAA will achieve this financial reduction through a combination of incorporating more cost-effective advanced technology data acquisition methods, decreasing the frequency or scope of lower priority surveys activities, and ensuring national survey efficiencies through streamlining data acquisition methodologies and cross training staff.

Schedule and Milestones (FY 2027 – FY 2031):

- Prioritize Fishery-Independent (F-I) surveys to maintain essential data stream collections for fish stock assessments
- Evaluate NMFS survey data requirements for annual stock assessments to determine which surveys can be conducted less frequently or at a reduced scope

Deliverables (FY 2027):

- Approximately 97 priority surveys maintained in FY 2027

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of fisheries surveys per year					
With Decrease	97	95	93	91	89
Without Decrease	123	121	119	117	115
Outyear Costs:					
Direct Obligations	(18,996)	(18,996)	(18,996)	(18,996)	(18,996)
Capitalized	0	0	0	0	0
Uncapitalized	(18,996)	(18,996)	(18,996)	(18,996)	(18,996)
Budget Authority	(18,996)	(18,996)	(18,996)	(18,996)	(18,996)
Outlays	(11,588)	(16,906)	(17,856)	(18,616)	(18,996)
FTE	(10)	(10)	(10)	(10)	(10)
Positions	(10)	(10)	(10)	(10)	(10)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Fisheries Data Collections, Surveys, and Assessments

Program Change: Fisheries Surveys and Data Collection Reduction

Title	Grade	Number	Annual Salary	Total Salaries
Fish Biologist (HI)	ZP-03	(2)	111,812	(223,624)
Fish Biologist (Seattle, WA)	ZP-03	(2)	120,376	(240,752)
Fish Biologist (La Jolla, CA)	ZP-03	(2)	122,343	(244,686)
Fish Biologist (Woods Hole, MA)	ZP-03	(2)	121,300	(242,600)
Fish Biologist (Miami, FL)	ZP-03	(2)	114,063	(228,126)
Total		(10)		(1,179,788)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(10)		(1,179,788)
2027 Pay Adjustment (0%)				0
				(1,179,788)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(10)		
Total FTE		(10)		
Authorized Positions:				
Full-time permanent		(10)		
Total Positions		(10)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries Data Collections, Surveys, and Assessments

	2025	2026	2027	2027	Decrease
Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	60,442	49,066	49,254	48,074	(1,180)
11.3 Other than full-time permanent	406	329	330	330	0
11.5 Other personnel compensation	2,353	1,910	1,910	1,910	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	63,201	51,305	51,494	50,314	(1,180)
12 Civilian personnel benefits	23,352	23,352	23,748	23,311	(437)
13 Benefits for former personnel	1,312	3	3	2	(1)
21 Travel and transportation of persons	1,744	1,312	1,327	1,077	(250)
22 Transportation of things	506	506	511	451	(60)
23 Rent, communications, and utilities				0	
23.1 Rental payments to GSA	61	61	165	140	(25)
23.2 Rental Payments to others	348	348	360	315	(45)
23.3 Communications, utilities and misc charges	6,017	6,017	6,017	3,017	(3,000)
24 Printing and reproduction	178	178	185	155	(30)
25.1 Advisory and assistance services	9,017	9,017	9,161	5,161	(4,000)
25.2 Other services from non-Federal sources	25,746	34,664	35,411	27,411	(8,000)
25.3 Other goods and services from Federal sources	136	136	220	220	0
25.4 Operation and maintenance of facilities	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 and maintenance of equipment	3	3	3	2	(1)
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	4,270	4,270	4,311	3,311	(1,000)
31 Equipment	2,181	2,181	2,205	1,705	(500)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	80,691	80,691	80,691	80,226	(465)
42 Insurance claims and indemnities	10	10	10	8	(2)
43 Interest and dividends	0	0	0	0	0
44 Refunds	0	0	0	0	0
99 Total obligations	218,773	214,054	215,822	196,826	(18,996)

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Fisheries Data Collections, Surveys, and Assessments	Pos./BA	387	215,822	387	214,708	0	(1,114)
	FTE/OBL	344	215,822	344	214,708	0	(1,114)

Cooperative Research Program Reduction (-\$1,114, 0 FTE/ 0 Positions) –This request reduces funding for the Cooperative Research program to its historical levels, removing the increased funding provided in FY 2026 Enacted. This program will be funded at \$13.5 million in FY 2027 and will continue to execute cooperative research with industry, fishermen, and other stakeholders. The Cooperative Research program provides a means for commercial and recreational fishermen to participate in the collection of fundamental fisheries information to support the development and evaluation of management options. This work involves regional partnerships with a broad range of external stakeholders, including state and tribal managers and scientists (e.g., interstate fishery commissions), fishing industry participants (e.g., commercial and recreational fishermen), and academic institutions. Partnerships occur in all phases, including design, research, analysis, and communication of results.

Cooperative research assists scientists and managers by providing a wide range of research areas, including, but not limited to: fishery dependent data; life history studies; conservation engineering; species abundance and distribution; habitat studies; and socio-economic studies. Benefits of cooperative research include increased data quantity and quality, inclusion of stakeholders' knowledge in science and management, improved relevance of research to fisheries management, and reduced science costs through leveraging and cost sharing.

Schedule and Milestones (FY 2027 – FY 2031):

- Issue awards for cooperative research projects nationwide

Deliverables (FY 2027 – FY 2031):

- Completed cooperative project results are documented in individual project final reports, with data archived at the Fisheries Science Centers and added to the NMFS InPort Centralized documentation (metadata) repository

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Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of Cooperative Research Projects funded (annual)					
With Decrease	37	35	33	31	29
Without Decrease	42	40	38	36	34
Outyear Costs:					
Direct Obligations	(1,114)	(1,114)	(1,114)	(1,114)	(1,114)
Capitalized	0	0	0	0	0
Uncapitalized	(1,114)	(1,114)	(1,114)	(1,114)	(1,114)
Budget Authority	(1,114)	(1,114)	(1,114)	(1,114)	(1,114)
Outlays	(680)	(991)	(1,047)	(1,092)	(1,114)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries Data Collections, Surveys, and Assessments

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	60,442	49,066	49,254	49,254	0
11.3	Other than full-time permanent	406	329	330	330	0
11.5	Other personnel compensation	2,353	1,910	1,910	1,910	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	63,201	51,305	51,494	51,494	0
12	Civilian personnel benefits	23,352	23,352	23,748	23,748	0
13	Benefits for former personnel	1,312	3	3	3	0
21	Travel and transportation of persons	1,744	1,312	1,327	1,327	0
22	Transportation of things	506	506	511	511	0
23	Rent, communications, and utilities				0	0
23.1	Rental payments to GSA	61	61	165	165	0
23.2	Rental Payments to others	348	348	360	360	0
23.3	Communications, utilities and misc charges	6,017	6,017	6,017	6,017	0
24	Printing and reproduction	178	178	185	185	0
25.1	Advisory and assistance services	9,017	9,017	9,161	9,161	0
25.2	Other services from non-Federal sources	25,746	34,664	35,411	34,297	(1,114)
25.3	Other goods and services from Federal sources	136	136	220	220	0
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	3	3	3	3	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	4,270	4,270	4,311	4,311	0
31	Equipment	2,181	2,181	2,205	2,205	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	80,691	80,691	80,691	80,691	0
42	Insurance claims and indemnities	10	10	10	10	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0		0	0
99	Total obligations	218,773	214,054	215,822	214,708	(1,114)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Observers and	Pos./BA	127	58,749	123	45,000	(4)	(13,749)
Training	FTE/OBL	114	58,749	110	45,000	(4)	(13,749)

Observers and Training Reduction (-\$13,749, -4 FTE/ -4 Positions) – With this request, NOAA will focus fisheries monitoring priorities on meeting statutory requirements as set forth by the MSA, ESA, and Marine Mammal Protection Act (MMPA) through direct catch/bycatch quota monitoring and by providing catch and bycatch data to fish and marine mammal assessments. NMFS will continue to operationalize electronic technologies, where effective and feasible, by transitioning to electronic catch monitoring, utilizing video, AI, and satellite communication as well as other technology to modernize commercial fisheries data collection and analysis; the transition to electronic technologies will reduce the long term costs of the program. With this request, NMFS will reduce funding for observer programs in several regions.

Schedule and Milestones (FY 2027 - FY 2031):

- Meet regulatory requirements for monitoring ~54 commercial fisheries
- Reduce human observers and complete transition of Hawaii Longline Observer Program to EM
- Reduce human observers and transition Gulf of Alaska trawl fishery entirely to EM
- Implement EM in additional fisheries, where effective and efficient
- Implement and/or change regulatory requirements to account for these transitions and implementation

Deliverables (FY 2027 - FY 2031):

- Deliver data to inform stock assessments for catch and bycatch of U.S. commercial fisheries, including protected species
- Provide more fiscally efficient monitoring to meet regulatory and scientific requirements through the implementation of EM in the Pacific Islands tuna longline fishery
- Continued expansion of EM into Alaska fisheries (e.g. Gulf of Alaska trawl) to reduce costs and provide more reliable coverage in these fisheries
- Modernize data collection pursuant to NOAA and DOC goals, and where it is more effective and economical

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Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of Observer/Monitor Days at Sea					
With Decrease	51,299	50,292	49,307	48,340	47,324
Without Decrease	54,018	52,958	51,920	50,902	49,832
Outyear Costs:					
Direct Obligations	(13,749)	(13,749)	(13,749)	(13,749)	(13,749)
Capitalized	0	0	0	0	0
Uncapitalized	(13,749)	(13,749)	(13,749)	(13,749)	(13,749)
Budget Authority	(13,749)	(13,749)	(13,749)	(13,749)	(13,749)
Outlays	(8,387)	(12,237)	(12,924)	(13,474)	(13,749)
FTE	(4)	(4)	(4)	(4)	(4)
Positions	(4)	(4)	(4)	(4)	(4)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Observers and Training

Program Change: Observers and Training Reduction

Title	Grade	Number	Annual Salary	Total Salaries
Marine Resources Management Specialist (Honolulu, HI)	ZP-III	(3)	111,812	(335,436)
Marine Resources Management Specialist (Seattle, WA)	ZP-III	(1)	120,376	(120,376)
Total		(4)		(455,812)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(4)		(455,812)
2027 Pay Adjustment (0%)		0		0
				(455,812)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(4)		
Total FTE		(4)		
Authorized Positions:				
Full-time permanent		(4)		
Total Positions		(4)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management
Subactivity: Observers and Training

	2025	2026	2027	2027	Decrease
Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	13,547	13,804	13,844	13,388	(456)
11.3 Other than full-time permanent	32	33	33	33	0
11.5 Other personnel compensation	0	0	0	0	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	13,579	13,837	13,877	13,421	(456)
12 Civilian personnel benefits	5,362	5,409	5,491	5,322	(169)
13 Benefits for former personnel	251	13	13	13	0
21 Travel and transportation of persons	219	219	222	212	(10)
22 Transportation of things	96	96	97	89	(8)
23 Rent, communications, and utilities				0	0
23.1 Rental payments to GSA	1,278	1,278	1,300	1,125	(175)
23.2 Rental Payments to others	49	49	52	48	(4)
23.3 Communications, utilities and misc charges	647	647	647	617	(30)
24 Printing and reproduction	13	13	14	14	0
25.1 Advisory and assistance services	3,613	3,613	3,643	1,893	(1,750)
25.2 Other services from non-Federal sources	33,038	29,259	29,413	18,970	(10,443)
25.3 Other goods and services from Federal sources	612	612	629	597	(32)
25.4 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	1	1	1	1	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	287	287	295	283	(12)
31 Equipment	199	199	204	194	(10)
32 Lands and structures	1	1	1	1	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	2,850	2,850	2,850	2,200	(650)
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	0	0	0	0	0
44 Refunds	0			0	0
99 Total obligations	62,095	58,383	58,749	45,000	(13,749)

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Fisheries							
Management	Pos./BA	515	169,404	518	170,404	3	1,000
Programs and Services	FTE/OBL	459	169,404	461	170,404	2	1,000

America First Seafood Strategy: Address Unfair Trade Practices (+\$1,000, +2 FTE/ +3 Positions) – NOAA requests an increase to support the America First Seafood Strategy and Executive Order 14276 on Restoring American Seafood Competitiveness. This is a multi-pronged effort that seeks to help address the trade imbalance by expanding U.S. access to global seafood markets and enhancing actions to combat the importation of seafood caught through illegal, unreported, and unregulated (IUU) fishing and fisheries management practices that do not adhere to U.S. standards. This effort includes the following activities:

Improve Market Access (\$0.3 million, +1 FTE/ +1 Positions): NMFS will develop and execute trade strategies to promote the U.S. seafood sector. Increased resources will allow greater coordination with the International Trade Administration and the interagency task force on seafood trade; strategic negotiations and engagement with foreign governments to support U.S. seafood trade objectives; organization of export promotion activities to support industry; and improved data and analysis related to trade flows. In addition, NMFS will leverage technology to improve use of import and export data through enhancements to its Global Seafood Data System (GSDS) to further examine current U.S. export species and trade flows.

Improve SIMP through Advanced Technology (\$0.4 million, 0 FTE/ 0 Positions): NMFS will improve the Seafood Import Monitoring Program (SIMP) and leverage advanced technology. This request further improves SIMP to more effectively target high-risk shipments from nations that routinely violate international fishery regulations, coordinate with other agencies to improve thorough checks at U.S. ports to prevent IUU fish and fish products from entering the market and further consider options to use improved technology to identify foreign fishery-related violations. NMFS plans to increase the capacity of the International Trade Data System (ITDS) to improve the effectiveness of SIMP traceability requirements. NMFS will employ proactive and dynamic risk-flagging capabilities in GSDS to be able to screen entries to identify products at risk of IUU fishing and seafood fraud and work with U.S. Customs and Border Protection to keep these products out of the U.S. market.

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(Dollar amounts in thousands)

Address Unfair Trade Practices Through Combatting IUU Fishing (\$0.3 million, 1 FTE/ 2 Positions): NMFS will increase capacity plans to boost enforcement against IUU fishing, unsustainable bycatch, and labor abuses by leveraging U.S. market influence to improve foreign fishery management practices. Increased funding will support personnel to analyze and conduct consultations on foreign fishery programs, focusing on IUU fishing, bycatch, shark fishing, and forced labor, through robust implementation of the Moratorium Protection Act's Identification and Certification Provisions. NMFS will have the capability to recommend import bans on imports from countries not meeting U.S. standards and that fail to improve following a consultations process, thereby protecting law-abiding U.S. fishers from unfair competition. New specialists will collect data, audit national submissions, consult with identified nations, recommend certifications, and drive improved outcomes to avoid negative certifications.

Schedule and Milestones:

- Submit Biennial Report to Congress on Improving International Fisheries Management that drives positive changes in foreign fishing practices
- Engage with countries bilaterally and multilaterally to adopt measures that strengthen capacity to address IUU fishing and strengthen bycatch mitigation measures consistent with U.S. standards
- Leverage data analytics to identify high-risk imports and better understand trade flows to guide export promotion priorities

Deliverables:

- Enhanced GSDS and other IT tools to improve enforcement coordination, trade analysis, and risk-based identification
- Enhanced effectiveness of SIMP to meet the objectives of combating IUU fishing and seafood fraud most effectively

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of high-risk seafood import entries flagged for additional screening based on risk-targeting					
With Increase	9,000	10,000	11,000	12,000	13,000
Without Increase	6,000	6,000	6,000	6,000	6,000
Percentage of nations with fisheries at high risk of IUU fishing or unsustainable fishing practices receiving technical, policy, or legal consultation support from NMFS to improve fishery management practices					
With Increase	10	12	14	16	18
Without Increase	7	7	7	7	7
Number of trade promotion and industry outreach events conducted to promote U.S. seafood exports in international markets					
With Increase	4	5	6	6	6
Without Increase	0	0	0	0	0
Outyear Costs:					
Direct Obligations	1,000	1,000	1,000	1,000	1,000
Capitalized	0	0	0	0	0
Uncapitalized	1,000	1,000	1,000	1,000	1,000
Budget Authority	1,000	1,000	1,000	1,000	1,000
Outlays	610	890	940	980	1,000
FTE	2	3	3	3	3
Positions	3	3	3	3	3

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Fisheries Management Programs and Services

Program Change: American First Seafood Strategy: Address Unfair Trade Practices

Title		Grade	Number	Annual Salary	Total Salaries
International Trade Specialist (Silver Spring)		ZA-03	1	85,447	85,447
Foreign Affairs Specialist (Silver Spring)		ZA-03	2	85,447	170,894
Total			3		256,341
Less lapse	25.00%		(1)		(64,085)
Total full-time permanent (FTE)			2		192,256
2027 Pay Adjustment (0%)					0
					192,256
Personnel Data Summary					
Full-time Equivalent Employment (FTE)					
Full-time permanent			2		
Total FTE			2		
Authorized Positions:					
Full-time permanent			3		
Total Positions			3		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Fisheries Management Programs and Services

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
Full-time permanent compensation	56,130	50,842	70,134	70,326	192
Other than full-time permanent	157	142	412	412	0
Other personnel compensation	1,450	1,313	1,323	1,323	0
Special personnel services payments	0	0	0	0	0
Total personnel compensation	57,737	52,297	71,869	72,061	192
Civilian personnel benefits	21,718	21,718	29,188	29,236	48
Benefits for former personnel	1,103	11	13	13	0
Travel and transportation of persons	1,552	1,552	1,657	1,669	12
Transportation of things	89	89	96	96	0
Rent, communications, and utilities	0	0	0	0	0
Rental payments to GSA	0	0	407	407	0
Rental Payments to others	1,196	1,196	1,230	1,230	0
Communications, utilities and misc charges	2,791	2,791	3,020	3,020	0
Printing and reproduction	60	60	71	71	0
Advisory and assistance services	8,272	8,272	8,498	8,998	500
Other services from non-Federal sources	21,700	30,584	33,480	33,725	245
Other goods and services from Federal sources	1,828	1,828	2,004	2,004	0
Operation and maintenance of facilities	0	0	0	0	0
Research and development contracts	0	0	1	1	0
Medical care	0	0	0	0	0
Operation and maintenance of equipment	16	16	16	16	0
Subsistence and support of persons	0	0	0	0	0
Supplies and materials	291	291	402	403	1
Equipment	362	362	409	411	2
Lands and structures	0	0	4	4	0
Investments and loans	0	0	0	0	0
Grants, subsidies and contributions	16,933	16,933	17,039	17,039	0
Insurance claims and indemnities	0	0	0	0	0
Interest and dividends	0	0	0	0	0
Refunds	0	0	0	0	0
Total obligations	135,648	138,000	169,404	170,404	1,000

Department of Commerce
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Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Fisheries							
Management	Pos./BA	515	169,404	470	138,536	(45)	(30,868)
Programs and Services	FTE/OBL	459	169,404	414	138,536	(45)	(30,868)

Fisheries Management Activities Reduction (-\$30,868, -45 FTE/ -45 Positions) – At this funding level in FY 2027, NMFS will invest \$108.6 million to safeguard the long-term sustainability and economic competitiveness of U.S. fisheries, ensuring they remain a cornerstone of the American ocean economy. NOAA will prioritize core statutory requirements under the MSA to prevent overfishing and rebuild stocks, providing the stability necessary for fishing businesses and coastal communities to thrive. To achieve this, NMFS will strategically realign its operational scope, ensuring that the highest-priority activities continue without interruption.

To realize this realignment, NMFS will scale back support across lower priority management activities. Investments in technological advancements for existing catch share programs, such as permitting, quota allocation/monitoring, and catch accounting, will be eliminated (-\$9.1 million in total). Investment in tools that support consistent data collection and management efficiencies will also decrease, including development for electronic vessel trip reporting (eVTR), video review of electronic monitoring data, and observer data integration. Cooperative institute support will be scaled back by \$2.0 million.

By focusing resources on high-performing, established management strategies, NMFS will:

- **Strengthen Domestic Markets and Protect the Seafood Supply Chain:** Ensure accountable, market-based fishing opportunities and sustainable fisheries, and sustain critical operations at the National Seafood Inspection Laboratory
- **Address Unfair Trade Practices:** Combat IUU fishing through continued implementation of SIMP and IUU fishing and bycatch identification, monitoring, and certification procedures under the Moratorium Protection Act. These efforts protect the U.S. seafood industry by ensuring that foreign imports meet the same high standards as domestic products
- **Prioritize Essential Management Services:** Streamline program delivery by focusing on immediate management priorities and the maintenance of essential data systems, ensuring that every dollar is directed toward the most critical regulatory outputs

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NOAA will continue to meet domestic mandates and international obligations, providing the foundational science and management required to keep American seafood on the table and supporting thousands of jobs across the maritime sector.

Schedule and Milestones:

- *Regional Fishery Management Councils Support:* Develop fishery management measures, using public input and the best available science and tools such as annual catch limits (ACLs) and accountability measures (AMs) and fishery resiliency tools, at a reduced capacity
- *Atlantic Highly Migratory Species (HMS) Management Support:* Develop fishery management measures, using public input and the best available science and tools such as ACLs and AMs, at a reduced capacity
- *Electronic Monitoring and Reporting:* Implement EM and ER options in key fisheries
- *IUU Fishing:* Address MSA mandates to implement IUU fishing/bycatch identification, monitoring, and certification procedures, at a reduced capacity. Submit biennial status reports to Congress. Review shipments of imported fishery products to monitor for evidence of IUU fishing and fraudulently labeled seafood
- *Product Quality and Safety:* Provide National Seafood Inspection Laboratory analysis, data management, and regulatory compliance risk analysis to help ensure the Nation's seafood industry is economically sustainable and complies with food regulations

Deliverables:

- Fisheries regulations, FMPs, and amendments that maintain and restore productive stocks important to commercial, recreational, Tribal, and subsistence fisheries
- Analysis and research results to identify, consult, and certify nations whose vessels engage in IUU fishing, bycatch of Protected Living Marine Resources (PLMR) and certain shark catches on the high seas. Recommendations provided to the Secretary of Commerce, after coordination with other Federal agencies, on possible fishery-product trade prohibitions and port restrictions on nations whose vessels engage in the above activities
- Source data on fishery product imports tracing back to the harvest area and analysis of shipment documentation, which will be used to verify accuracy and identify trends in import of IUU fishery products and fraudulently labeled seafood
- Cost-effective electronic technology applications that complement observer coverage, improve data collection and analysis, and ensure compliance with recordkeeping and reporting regulations implemented for priority fisheries.

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Performance Measures	2027	2028	2029	2030	2031
Number of key objectives met by catch share programs					
With Decrease	23	23	23	24	24
Without Decrease	24	24	24	24	24
Outyear Costs:					
Direct Obligations	(30,868)	(30,868)	(30,868)	(30,868)	(30,868)
Capitalized	0	0	0	0	0
Uncapitalized	(30,868)	(30,868)	(30,868)	(30,868)	(30,868)
Budget Authority	(30,868)	(30,868)	(30,868)	(30,868)	(30,868)
Outlays	(18,829)	(27,473)	(29,016)	(30,251)	(30,868)
FTE	(45)	(45)	(45)	(45)	(45)
Positions	(45)	(45)	(45)	(45)	(45)

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management
 Subactivity: Fisheries Management Programs and Services
 Program Change: Fisheries Management Activities Reduction

Title	Grade	Number	Annual Salary	Total Salaries
Fish Biologist	ZP-III	(12)	122,544	(1,470,528)
Fishery Management Specialist	ZP-III	(13)	122,544	(1,593,072)
Fishery Information Specialist	ZA-III	(10)	122,544	(1,225,440)
Fisheries Regulations Specialist	ZA-III	(5)	122,544	(612,720)
Management and Program Analyst	ZA-III	(5)	122,544	(612,720)
Total		(45)		(5,514,480)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(45)		(5,514,480)
2026 Pay Adjustment (0%)				0
				(5,514,480)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(45)		
Total FTE		(45)		
Authorized Positions:				
Full-time permanent		(45)		
Total Positions		(45)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management
Subactivity: Fisheries Management Programs and Service

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	56,130	50,842	70,134	64,620	(5,514)
11.3	Other than full-time permanent	157	142	412	412	0
11.5	Other personnel compensation	1,450	1,313	1,323	1,323	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	57,737	52,297	71,869	66,355	(5,514)
12	Civilian personnel benefits	21,718	21,718	29,188	26,982	(2,206)
13	Benefits for former personnel	1,103	11	13	13	0
21	Travel and transportation of persons	1,552	1,552	1,657	1,657	0
22	Transportation of things	89	89	96	96	0
23	Rent, communications, and utilities			0	0	0
23.1	Rental payments to GSA	0		407	407	0
23.2	Rental Payments to others	1,196	1,196	1,230	1,230	0
23.3	Communications, utilities and misc charges	2,791	2,791	3,020	3,020	0
24	Printing and reproduction	60	60	71	71	0
25.1	Advisory and assistance services	8,272	8,272	8,498	8,498	0
25.2	Other services from non-Federal sources	21,700	30,584	33,480	20,281	(13,199)
25.3	Other goods and services from Federal sources	1,828	1,828	2,004	2,004	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	0	1	1	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	16	16	16	16	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	291	291	402	402	0
31	Equipment	362	362	409	409	0
32	Lands and structures	0	0	4	4	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	16,933	16,933	17,039	7,090	(9,949)
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	Total obligations	135,648	138,000	169,404	138,536	(30,868)

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Fisheries							
Management	Pos./BA	515	169,404	515	166,279	0	(3,125)
Programs and Services	FTE/OBL	459	169,404	459	166,279	0	(3,125)

Bycatch Reduction Engineering Program Termination (-\$3,125, 0 FTE / 0 Positions) – NOAA requests to terminate the Bycatch Reduction Engineering Program (BREP). NMFS will continue to work with partners, including the regional fishery management councils, Take Reduction Teams, the fishing industry, states and interstate marine fisheries commissions, academic groups, environmental organizations, international partners, and others to better understand bycatch and to implement management measures.

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(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management
Subactivity: Fisheries Management Programs and Services

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	56,130	50,842	70,134	70,134	0
11.3	Other than full-time permanent	157	142	412	412	0
11.5	Other personnel compensation	1,450	1,313	1,323	1,323	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	57,737	52,297	71,869	71,869	0
12	Civilian personnel benefits	21,718	21,718	29,188	29,188	0
13	Benefits for former personnel	1,103	11	13	13	0
21	Travel and transportation of persons	1,552	1,552	1,657	1,657	0
22	Transportation of things	89	89	96	96	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	0	0	407	407	0
23.2	Rental Payments to others	1,196	1,196	1,230	1,230	0
23.3	Communications, utilities and misc charges	2,791	2,791	3,020	3,020	0
24	Printing and reproduction	60	60	71	71	0
25.1	Advisory and assistance services	8,272	8,272	8,498	8,498	0
25.2	Other services from non-Federal sources	21,700	30,584	33,480	32,975	(505)
25.3	Other goods and services from Federal sources	1,828	1,828	2,004	2,004	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	0	0	1	1	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	16	16	16	16	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	291	291	402	402	0
31	Equipment	362	362	409	409	0
32	Lands and structures	0	0	4	4	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	16,933	16,933	17,039	14,419	(2,620)
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	Total obligations	135,648	138,000	169,404	166,279	(3,125)

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Aquaculture	Pos./BA	39	25,150	41	27,150	2	2,000
	FTE/OBL	35	25,150	37	27,150	2	2,000

America First Seafood Strategy: Strengthen American Aquaculture (+\$2,000, +2 FTE / +2 Positions) – NOAA requests an increase to invest in a suite of actions to help unleash the untapped potential of U.S. aquaculture. The U.S. currently imports between 75 percent and 90 percent of its seafood, about half of which is farmed overseas, and ranks only 20th in global aquaculture production. While U.S. wild fisheries are sustainably managed, they alone cannot meet the rising domestic demand for seafood. Investing in sustainable finfish, shellfish, and macroalgae farming is crucial. In FY 2027, NOAA will invest in regulatory efficiency actions targeting offshore aquaculture to support a substantial increase in seafood production, including:

1. **Aquaculture Opportunity Areas (AOAs) (\$1,500)**: Identifying AOAs is a key strategy directed in Executive Order 13921, “Promoting American Seafood Competitiveness and Economic Growth.” NOAA has identified AOAs in two geographic regions (offshore waters in Southern California and the Gulf of America) and is in the process of identifying AOAs in a third region (Alaska state waters). The requested increase will allow NOAA to fully implement these AOAs and undertake efforts to identify AOAs in two additional regions by FY 2031.
2. **Drive Regulatory Efficiencies through Interagency Collaboration and Artificial Intelligence (AI) Tools for Aquaculture Permitting (\$500)**: NOAA will increase engagement with Federal agency partners to develop and apply new methodologies and tools to streamline the complex permitting environment currently spread across multiple agencies. Priority areas are to use AI for Environmental Compliance (e.g. leverage machine learning to analyze environmental data, automate document preparation, and flag potential risks) and to develop programmatic approaches to permitting (e.g., work with the U.S. Army Corps of Engineers and the Environmental Protection Agency on general permits, and develop programmatic environmental consultations).

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Schedule and Milestones:

- Identify additional AOA(s), and develop and publish an AOA atlas
- Continue to encourage industry permit applications in identified AOAs
- Scope options for programmatic permits and consultations, and AI tool development, in collaboration with Federal agency partners and IT professionals
- Publish final Programmatic Environmental Impact Statement (PEIS)
- Develop and test AI tools to facilitate aquaculture permitting
- Develop and evaluate programmatic permits and environmental reviews for offshore aquaculture
- Deploy the AI tools in one additional region annually; assess these tools and conduct necessary upgrades and maintenance
- Deploy programmatic permits and environmental reviews for offshore aquaculture in one additional geographic region annually
- Collaborate with interagency partners on regulatory efficiency and streamlining efforts; develop science-based tools for management and collaborate with Federal partners to facilitate the efficient review of aquaculture permit applications

Deliverables:

- More efficient aquaculture permitting systems in state and Federal waters
- Publicly available final PEIS for new AOA and provision of a final decision identifying the next new AOA region
- Full deployment of the AI tools across the regions
- Full deployment of programmatic permits and environmental review for offshore aquaculture

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(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of regions with AOAs identified or in process					
With Increase	3	3	4	5	5
Without Increase	3	3	3	3	3
Number of Regions with Programmatic Environmental Reviews and AI Tools					
With increase	0	1	2	3	4
Without increase	0	0	0	0	0
Outyear Costs:					
Direct Obligations	2,000	2,000	2,000	2,000	2,000
Capitalized	0	0	0	0	0
Uncapitalized	2,000	2,000	2,000	2,000	2,000
Budget Authority	2,000	2,000	2,000	2,000	2,000
Outlays	1,220	1,780	1,880	1,960	2,000
FTE	2	2	2	2	2
Positions	2	2	2	2	2

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PROGRAM CHANGE PERSONNEL DETAIL

Activity: Fisheries Science and Management

Subactivity: Aquaculture

Program Change: America First Seafood Strategy: Strengthen American Aquaculture

Title	Grade	Number	Annual Salary	Total Salaries
Fishery Policy Analyst	ZP-III	2	85,447	170,894
Total		2		170,894
Less lapse	25.00%	0		0
Total full-time permanent (FTE)		2		170,894
2027 Pay Adjustment (0%)				0
				170,894
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		2		
Total FTE		2		
Authorized Positions:				
Full-time permanent		2		
Total Positions		2		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Aquaculture

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2026 Base
11.1	Full-time permanent compensation	6,147	4,939	4,956	5,127	171
11.3	Other than full-time permanent	51	41	41	41	0
11.5	Other personnel compensation	46	37	37	37	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	6,244	5,017	5,034	5,205	171
12	Civilian personnel benefits	2,218	1,778	1,812	1,880	68
13	Benefits for former personnel	52	11	11	11	0
21	Travel and transportation of persons	228	228	229	269	40
22	Transportation of things	17	17	17	17	0
23	Rent, communications, and utilities					
23.1	Rental payments to GSA	0	0	9	9	0
23.2	Rental Payments to others	18	18	19	19	0
23.3	Communications, utilities and misc charges	85	85	85	85	0
24	Printing and reproduction	17	17	18	18	0
25.1	Advisory and assistance services	1,640	1,640	1,652	1,652	0
25.2	Other services from non-Federal sources	4,072	6,633	6,696	8,417	1,721
25.3	Other goods and services from Federal sources	902	902	909	909	0
25.4	Operation and maintenance of facilities	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 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	379	379	382	382	0
31	Equipment	27	27	29	29	0
32	Lands and structures	12	12	12	12	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	2,796	8,236	8,236	8,236	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	Total obligations	18,707	25,000	25,150	27,150	2,000

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Aquaculture	Pos./BA	39	25,150	37	19,244	(2)	(5,906)
	FTE/OBL	35	25,150	33	19,244	(2)	(5,906)

Aquaculture Program Reduction (-\$5,906, -2 FTE/ -2 Positions) – This request will reduce lower priority aquaculture activities to prioritize actions to make aquaculture permitting more efficient and predictable. In alignment with Executive Order 14276 “Restoring American Seafood Competitiveness,” NOAA will prioritize regulatory efficiency measures to streamline permitting and boost domestic aquaculture production. This request reduces funding in two areas: (1) off-bottom Eastern oyster (-\$2.9 million, for a total of \$2.1 million in FY 2027), and (2) Cooperative Institute (CI) Fostering Aquaculture Research and Marketing (CIFARM) (-\$3.0 million, for a total of \$2.0 million in FY 2027).

NOAA will continue to focus on the key priorities for aquaculture in order to expand economic opportunities in coastal and rural areas and increase seafood security.

Schedule and Milestones:

- Collaborate with partners at the CIFARM to launch and carry out a range of projects (at a pace and scale consistent with available resources) to support development of offshore aquaculture, market development, and other priority areas
- Continue scientific and other support for coastal shellfish farming, including implementing a 2022 partnership with U.S. Department of Agriculture for a Northeast Oyster Breeding Center; and continuing to build and operate a new Gulf of America Oyster Breeding Center
- Establish and expand regional research capacity to support aquaculture industry development (e.g., kelp and seaweed farming, offshore aquaculture, novel shellfish farming practices, disease management, genetics)
- Advance Science Center research to support environmentally sound aquaculture practices such as genetics and water quality modeling, and work with NOS to refine and apply aquaculture siting tools (e.g. Ocean Reports)

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(Dollar amounts in thousands)

- Lead and support interagency aquaculture economic development efforts (e.g., develop business planning tools, support workforce development and training programs, economic analyses, support investment in processing and other infrastructure)

Deliverables:

- Increased domestic aquaculture production and associated jobs
- Collaborative projects with the CIFARM to advance U.S. aquaculture
- Advanced eastern oyster breeding methods to develop better-performing lines to boost production in the Northeast and Gulf of America
- Communications products to inform the public about sustainable aquaculture science and management topics
- Reports on three complementary, interagency efforts to support sustainable aquaculture development: (1) regulatory efficiency, (2) science collaboration, (3) and economic development

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(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of annual offshore demonstration projects via the CI					
With Decrease	1	1	1	1	1
Without Decrease	3	3	3	3	3
Number of annual research projects via the CI					
With Decrease	6	6	6	6	6
Without Decrease	8	8	8	8	8
Number of annual off-bottom oyster projects					
With Decrease	6	6	6	6	6
Without Decrease	16	16	16	16	16
Outyear Costs:					
Direct Obligations	(5,906)	(5,906)	(5,906)	(5,906)	(5,906)
Capitalized	0	0	0	0	0
Uncapitalized	(5,906)	(5,906)	(5,906)	(5,906)	(5,906)
Budget Authority	(5,906)	(5,906)	(5,906)	(5,906)	(5,906)
Outlays	(3,603)	(5,256)	(5,552)	(5,788)	(5,906)
FTE	(2)	(2)	(2)	(2)	(2)
Positions	(2)	(2)	(2)	(2)	(2)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Fisheries Science and Management
Subactivity: Aquaculture
Program Change: Aquaculture Program Reduction

Title	Grade	Number	Annual Salary	Total Salaries
Shellfish Biologist	ZP-IV	(1)	106,437	(106,437)
Shellfish Biologist	ZP-III	(1)	74,678	(74,678)
Total		(2)		(181,115)
Less lapse	25.00%	0		0
Total full-time permanent (FTE)		(2)		(181,115)
2027 Pay Adjustment (0%)				0
				(181,115)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(2)		
Total FTE		(2)		
Authorized Positions:				
Full-time permanent		(2)		
Total Positions		(2)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Aquaculture

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2026 Base
11.1	Full-time permanent compensation	6,147	4,939	4,956	4,775	(181)
11.3	Other than full-time permanent	51	41	41	41	0
11.5	Other personnel compensation	46	37	37	37	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	6,244	5,017	5,034	4,853	(181)
12	Civilian personnel benefits	2,218	1,778	1,812	1,740	(72)
13	Benefits for former personnel	52	11	11	11	0
21	Travel and transportation of persons	228	228	229	229	0
22	Transportation of things	17	17	17	17	0
23	Rent, communications, and utilities					
23.1	Rental payments to GSA	0	0	9	9	0
23.2	Rental Payments to others	18	18	19	19	0
23.3	Communications, utilities and misc charges	85	85	85	85	0
24	Printing and reproduction	17	17	18	18	0
25.1	Advisory and assistance services	1,640	1,640	1,652	1,652	0
25.2	Other services from non-Federal sources	4,072	6,633	6,696	5,097	(1,599)
25.3	Other goods and services from Federal sources	902	902	909	909	0
25.4	Operation and maintenance of facilities	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 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	379	379	382	382	0
31	Equipment	27	27	29	25	(4)
32	Lands and structures	12	12	12	12	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	2,796	8,236	8,236	4,186	(4,050)
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	Total obligations	18,707	25,000	25,150	19,244	(5,906)

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Salmon	Pos./BA	37	69,924	37	58,109	0	(11,815)
Management	FTE/OBL	34	69,924	34	58,109	0	(11,815)
Activities							

Mitchell Act Hatcheries Reduction (-\$11,815, 0 FTE/ 0 Positions) – This request reduces funding for projects conducted for the conservation, development, and enhancement of salmon not listed under the ESA. At this funding level in FY 2027, NMFS will provide \$15.8 million to support 34 Mitchell Act-funded hatcheries and will continue to meet obligations under the Mitchell Act to mitigate the loss of salmon production associated with hydroelectric dams on the Columbia and Snake Rivers. To accomplish this, NMFS will continue to support the operations and maintenance of Columbia River hatcheries through grants and contracts to the U.S. Fish and Wildlife Service and the states of Washington, Oregon, and Idaho. Salmon smolts from Mitchell Act-funded hatchery programs translate into an annual harvest of about 250,000 fish that add economic value to local and regional fisheries.

Schedule and Milestones (FY 2027- FY 2031):

- Support the operations and maintenance of Columbia River hatcheries to mitigate the loss of fish production due to hydropower dams
- Maintain compliance with Federal statutes (i.e., ESA, National Environmental Policy Act, Tribal Trust and Treaty responsibilities, etc.)
- Conduct monitoring programs associated with regulatory compliance under the ESA
- Address deferred maintenance and repairs at hatchery programs that enhance fisheries in the Columbia Basin

Deliverables (FY 2027- FY 2031):

- Continued salmon smolt production, as required under the Mitchell Act
- Improved hatchery programs in the Columbia Basin due to maintenance and repairs at Mitchell Act-funded hatcheries
- Enhanced fisheries in the Columbia Basin as a result of Mitchell Act-funded hatchery programs

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Mitchell Act Hatchery Programs:					
The number of hatchery programs receiving support					
With Decrease	34	32	32	32	32
Without Decrease	50	50	50	50	50
Hatchery Production:					
Fish production (in millions) from hatchery programs receiving support					
With Decrease	22	22	22	22	22
Without Decrease	39	39	39	39	39
Outyear Costs:					
Direct Obligations	(11,815)	(11,815)	(11,815)	(11,815)	(11,815)
Capitalized	0	0	0	0	0
Uncapitalized	(11,815)	(11,815)	(11,815)	(11,815)	(11,815)
Budget Authority	(11,815)	(11,815)	(11,815)	(11,815)	(11,815)
Outlays	(7,207)	(10,515)	(11,106)	(11,579)	(11,815)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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National Oceanic and Atmospheric Administration
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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Salmon Management Activities

	2025	2026	2027	2027	Decrease
Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	6,790	5,299	5,318	5,318	0
11.3 Other than full-time permanent	46	36	36	36	0
11.5 Other personnel compensation	134	105	105	105	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	6,970	5,440	5,459	5,459	0
12 Civilian personnel benefits	2,552	2,552	2,591	2,591	0
13 Benefits for former personnel	64	1	1	1	0
21 Travel and transportation of persons	260	260	261	261	0
22 Transportation of things	0	0	1	1	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	1,333	1,333	1,343	1,343	0
23.2 Rental Payments to others	24	24	25	25	0
23.3 Communications, utilities and misc charges	226	226	226	226	0
24 Printing and reproduction	1	1	2	2	0
25.1 Advisory and assistance services	184	184	198	198	0
25.2 Other services from non-Federal sources	1,355	1,355	1,429	1,429	0
25.3 Other goods and services from Federal sources	2,822	2,822	2,830	2,830	0
25.4 Operation and maintenance of facilities	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 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	88	88	92	92	0
31 Equipment	28	28	30	30	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	44,721	55,436	55,436	43,621	(11,815)
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 Total obligations	60,628	69,750	69,924	58,109	(11,815)

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Salmon	Pos./BA	37	69,924	37	61,815	0	(8,109)
Management	FTE/OBL	34	69,924	34	61,815	0	(8,109)
Activities							

Pacific Salmon Treaty Reduction (-\$8,109, 0 FTE/ 0 Positions) – This request reduces funding for projects conducted for the conservation, development, and enhancement of salmon not listed under ESA. NMFS will provide a total of \$33.5 million in FY 2027 for PST activities. Funds requested will be used to fulfill NMFS' obligations under the PST, adjusting the timeline for fulfillment to match the available funding. These funds will provide support for the Pacific Salmon Commission's (PSC) technical committees¹³ and a broad range of essential salmon stock assessment and fishery monitoring programs required to implement the treaty provisions; and conservation hatchery production to support fisheries. Activities include: collaborative spend plan development with PSC representatives to implement recommended U.S. and Canadian Chinook salmon harvest reductions and conservation hatchery production; and genetic stock identification research that supports improved salmon management.

Schedule and Milestones (FY 2027- FY 2031):

- Maintain compliance with Federal statutes (i.e., ESA, National Environmental Policy Act, Tribal Trust and Treaty responsibilities, etc.)
- Conduct fishery monitoring programs associated with regulatory compliance under the ESA
- Chinook hatchery production to address fishery constraints and increase prey availability for Southern Resident Killer Whales in Puget Sound, WA

Deliverables (FY 2027- FY 2031):

- Salmon stock assessments and fishery monitoring programs
- Conservation hatchery programs producing Chinook Salmon

¹³ The Pacific Salmon Commission, an international organization governed by the PST, is a decision-making body for cooperative management of Pacific salmon between the U.S. and Canada. NMFS participates in PSC negotiations to ensure U.S. Government interests are met and the agreements are consistent with other resource management laws such as the ESA and the MSFCMA. NMFS holds the Federal position as one of the four U.S. Commissioners and is also represented on the management panels and the technical committees.

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Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Number of conservation hatchery programs receiving support					
With Decrease	12	12	12	12	12
Without Decrease	14	14	14	14	14
Stock assessment and monitoring programs					
With Decrease	15	15	15	15	15
Without Decrease	17	17	17	17	17
Outyear Costs:					
Direct Obligations	(8,109)	(8,109)	(8,109)	(8,109)	(8,109)
Capitalized	0	0	0	0	0
Uncapitalized	(8,109)	(8,109)	(8,109)	(8,109)	(8,109)
Budget Authority	(8,109)	(8,109)	(8,109)	(8,109)	(8,109)
Outlays	(4,946)	(7,217)	(7,622)	(7,947)	(8,109)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Salmon Management Activities

		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
	Object Class					
11.1	Full-time permanent compensation	6,790	5,299	5,318	4,946	0
11.3	Other than full-time permanent	46	36	36	36	0
11.5	Other personnel compensation	134	105	105	105	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	6,970	5,440	5,459	5,087	0
12	Civilian personnel benefits	2,552	2,552	2,591	2,442	0
13	Benefits for former personnel	64	1	1	1	0
21	Travel and transportation of persons	260	260	261	217	0
22	Transportation of things	0	0	1	1	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	1,333	1,333	1,343	1,116	0
23.2	Rental Payments to others	24	24	25	21	0
23.3	Communications, utilities and misc charges	226	226	226	188	0
24	Printing and reproduction	1	1	2	2	0
25.1	Advisory and assistance services	184	184	198	165	0
25.2	Other services from non-Federal sources	1,355	1,355	1,429	1,188	0
25.3	Other goods and services from Federal sources	2,822	2,822	2,830	2,352	0
25.4	Operation and maintenance of facilities	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 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	88	88	92	76	0
31	Equipment	28	28	30	25	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	44,721	55,436	55,436	45,230	(8,109)
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	Total obligations	60,628	69,750	69,924	58,109	(8,109)

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PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Regional Councils and Fisheries Commissions	Pos./BA	11	45,974	11	47,215	0	1,241
	FTE/OBL	10	45,974	10	47,215	0	1,241

Regional Fishery Management Councils Increase (+\$1,241, 0 FTE/ 0 Positions) – This request provides increased funding for the eight Regional Fishery Management Councils to ensure they have the necessary capacity and support to advance deregulatory actions, in support of Executive Order 14192 “Unleashing Prosperity Through Deregulation” and Executive Order 14276 “Restoring American Seafood Competitiveness.” It will also help maintain existing Council operations that are vital for NOAA to fulfill its mandates under the MSA regarding ending overfishing, rebuilding overfished stocks, and achieving optimum yield.

The cornerstone of U.S. fisheries management is the stakeholder-driven participatory process through which the Councils formulate fishery management recommendations. These often controversial recommendations carefully balance competing interests – a task NMFS would find significantly harder to achieve alone. The immense value of in-person discussions, debates, and decision-making for resolving complex fisheries management issues, including deregulation and efforts to boost competitiveness for U.S. fishermen, cannot be overstated. However, in recent years, the Councils' collective and individual capabilities have diminished. This decline is due to rising operating costs, particularly for personnel and meeting spaces. These financial pressures have compelled some Regional Fishery Management Councils to either eliminate a full annual Council meeting, conduct only virtual meetings for certain advisory or committee meetings, or both.

The increased funding requested will be equally distributed across the eight Councils to help offset rising meeting location fees and ensure continued in-person meeting capabilities for critical advisory, committee, and full Council meetings. It will also support adoption of Council-purchased and maintained equipment for remote meeting capabilities (e.g., wi-fi hotspots, software licensing) and help mitigate rising personnel costs (salary and benefits) that are not adequately covered by current base funding adjustments. These investments will help ensure the Councils have sufficient capacity and capability to hear, respond to, and develop recommendations for stakeholder-driven improvements to fishery management measures.

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(Dollar amounts in thousands)

Schedule and Milestones:

- Maintain the stakeholder participatory process for development of fishery management recommendations through ongoing in-person and virtual meetings with adequate professional support staff
- Develop recommendations for improvements to fishery management measures based on stakeholder input
- Develop and complete deregulatory management actions to increase U.S. seafood competitiveness and improve economic resilience

Deliverables:

- Critical Council management actions, including implementation of annual specifications and other management measures to prevent overfishing, rebuild overfished stocks, and achieve optimum yield
- Regionally-formed, consensus-built fishery management recommendations delivered to the Secretary of Commerce for review, approval, and implementation

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PROGRAM INCREASE FOR 2027

(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Deregulatory actions completed annually					
With Increase	8	10	12	14	16
Without Increase	8	8	8	8	8
Outyear Costs:					
Direct Obligations	1,241	1,241	1,241	1,241	1,241
Capitalized	0	0	0	0	0
Uncapitalized	1,241	1,241	1,241	1,241	1,241
Budget Authority	1,241	1,241	1,241	1,241	1,241
Outlays	757	1,104	1,167	1,216	1,241
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management

Subactivity: Regional Councils and Fisheries Commissions

	2025	2026	2027	2027	Increase
Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1 Full-time permanent compensation	1,296	1,454	1,459	1,459	0
11.3 Other than full-time permanent	0	0	0	0	0
11.5 Other personnel compensation	59	66	66	66	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	1,355	1,520	1,525	1,525	0
12 Civilian personnel benefits	467	519	525	525	0
13 Benefits for former personnel	16	16	16	16	0
21 Travel and transportation of persons	64	64	64	64	0
22 Transportation of things	0	0	0	0	0
23 Rent, communications, and utilities				0	0
23.1 Rental payments to GSA	0	0	2	2	0
23.2 Rental Payments to others	0	0	0	0	0
23.3 Communications, utilities and misc charges	6	6	6	6	0
24 Printing and reproduction	28	28	28	28	0
25.1 Advisory and assistance services	153	153	155	155	0
25.2 Other services from non-Federal sources	377	377	389	389	0
25.3 Other goods and services from Federal sources	101	101	102	102	0
25.4 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	1	1	1	1	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	15	15	16	16	0
31 Equipment	15	15	15	15	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	44,843	42,185	43,130	44,371	1,241
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 Total obligations	47,441	45,000	45,974	47,215	1,241

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Interjurisdictional	Pos./BA	1	3,379	0	0	(1)	(3,379)
Fisheries Grants	FTE/OBL	1	3,379	0	0	(1)	(3,379)

Interjurisdictional Fisheries Grants Termination (-\$3,379, -1 FTE/ -1 Positions) – This Budget does not request funding for the Interjurisdictional Fisheries Grants program. NOAA will continue to work with states and territories to provide technical and other assistance for fisheries management, such as working with the Interstate Fishery Commissions on cross-state issues related to shared fishery resources.

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PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Fisheries Science and Management
Subactivity: Interjurisdictional Fisheries Grants
Program Change: Interjurisdictional Fisheries Grants Termination

Title	Grade	Number	Annual Salary	Total Salaries
Grants Management Specialist	ZA-III	(1)	95,000	(95,000)
Total		(1)		(95,000)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(1)		(95,000)
2026 Pay Adjustment (0%)				0
				(95,000)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(1)		
Total FTE		(1)		
Authorized Positions:				
Full-time permanent		(1)		
Total Positions		(1)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Fisheries Science and Management
Subactivity: Interjurisdictional Fisheries Grants

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	77	94	95	0	(95)
11.3 Other than full-time permanent	2	0	0	0	0
11.5 Other personnel compensation	0	0	0	0	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	79	94	95	0	(95)
12 Civilian personnel benefits	27	27	27	0	(27)
13 Benefits for former personnel	2	0	0	0	0
21 Travel and transportation of persons	1	1	1	0	(1)
22 Transportation of things	0	0	0	0	0
23 Rent, communications, and utilities				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 Communications, utilities and misc charges	11	11	11	0	(11)
24 Printing and reproduction	1	1	1	0	(1)
25.1 Advisory and assistance services	1	1	1	0	(1)
25.2 Other services from non-Federal sources	41	41	42	0	(42)
25.3 Other goods and services from Federal sources	0	0	0	0	0
25.4 Operation and maintenance of facilities	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 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	1	1	1	0	(1)
31 Equipment	0	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	5,487	3,200	3,200	0	(3,200)
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 Total obligations	5,651	3,377	3,379	0	(3,379)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Enforcement

Goal Statement

NOAA's Office of Law Enforcement (OLE) strengthens domestic commerce by ensuring the competitiveness of U.S. seafood by protecting the integrity of global seafood supply chains and preventing and deterring illegal, unreported, and unregulated (IUU) fishing from unfairly competing with lawful U.S. producers in global markets. OLE enforces NOAA's natural resource protection laws and promotes compliance with Federal regulations to conserve and protect our Nation's living marine resources and their natural habitat.

Base Program

OLE protects and monitors the world's largest Exclusive Economic Zone (EEZ), including 16 National Marine Sanctuaries and five Marine National Monuments, and is the only enforcement program (Federal or state) exclusively dedicated to Federal fisheries and marine resource enforcement. A critical focus of OLE's mission is combatting IUU fishing. OLE works with interagency partners, such as U.S. Customs and Border Protection and the U.S. Coast Guard, to enforce relevant fisheries regulations and prevent IUU fish and fish products from entering U.S. markets. This includes targeted operations of suspected IUU fishing, at-sea and aerial patrols, and physical inspections of seafood products at ports looking for falsely labeled seafood and other illegal products that adversely affect U.S. domestic fishers and consumers. OLE also provides enforcement support for conservation and management activities in the NMFS Offices of Sustainable Fisheries and Protected Resources, NMFS Regional Offices, and the NOS Office of National Marine Sanctuaries. OLE refers enforcement cases that document violations to NOAA's Office of General Counsel or the U.S. Department of Justice for review and potential prosecution. OLE leverages 29 Joint Enforcement Agreements (JEAs) with 29 coastal states and territories, and partners with other Federal agencies, such as the U.S. Coast Guard, to enforce the Nation's marine resource laws.

NOAA cannot meet the mandate to combat IUU fishing or end overfishing without OLE's efforts. These efforts ensure that the millions of people who enjoy and rely on these marine resources understand and comply with the regulations necessary to ensure their sustainability and allow fair competition now and for future generations. OLE supports two objectives:

1. Enforce laws and regulations that govern:
 - a. commercial and recreational fisheries,
 - b. international and interstate commerce in marine resources, and

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

- c. human interactions with marine mammals and threatened and endangered species.
2. Protect resources within designated sanctuaries, marine monuments, and protected areas.

To address these mission requirements, OLE implements four primary methods:

1. Traditional enforcement such as port inspections, Investigations, and patrols,
2. Partnerships with state and Federal agencies,
3. Technological tools such as Vessel Monitoring Systems (VMS) and forensic test kits, and
4. Outreach and education strategies designed to increase and enhance voluntary compliance with laws and regulations.

Statement of Operating Objectives

Schedule and Milestones:

FY 2027 – FY 2031:

- Ensure consistent international IUU fishing enforcement training and technical assistance
- Continue to hire, train and deploy enforcement personnel at strategic seafood import Ports of Entry
- Continue to advance enforcement and compliance assistance efforts in support of NOAA's OLE Operational Priorities
- Review progress toward current set of strategic five-year national and regional Operational Enforcement Priorities (2023-2027)

Deliverables:

FY 2027 – FY 2031:

- Five-year national and regional Operational Enforcement Priorities
- Monitoring of and compliance assistance provided to approximately 4,450 vessels under the VMS requirements of 23 Fishery Management Plans, two international convention areas, and the Papahānaumokuākea National Monument

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Enforcement	Pos/BA	193	77,712	214	81,000	214	81,899
	FTE/OBL	208	78,056	191	81,000	191	81,899
Total Enforcement	Pos/BA	193	77,712	214	81,000	214	81,899
	FTE/OBL	208	78,056	191	81,000	191	81,899

Enforcement and Surveillance: NOAA special agents and enforcement officers safeguard the Nation's food supply, protecting American consumers from illicit and unsafe products, and preserving the economic security of the U.S. fishing industry against illegal foreign competition. To combat significant threats posed by IUU fishing and seafood fraud, OLE's Enforcement Program takes action, in collaboration with other Federal agencies and foreign nations, to prevent IUU fish and fish products from entering U.S. markets through enforcement of trade monitoring programs. These efforts align with the Administration's priorities to restore American seafood competitiveness. OLE utilizes current technologies (e.g. VMS) and emerging technologies (e.g. genetic testing tools) to enhance and maximize operational capabilities and effectiveness. OLE works to deter, detect, investigate, and document any violations of Federal marine natural resource laws and regulations. NOAA's approach to domestic fisheries enforcement emphasizes compliance assistance, where OLE assists regulated parties in understanding and complying with fishery regulations through monitoring, inspections, and increases public awareness efforts (e.g., community meetings, trade shows, and on-the-dock informational visits). This program responds to inquiries and requests for assistance from a variety of industry and public stakeholders on a broad range of issues related to fisheries, marine mammals, and endangered and other protected marine species. OLE enforces fish and wildlife laws and regulations under NOAA's jurisdiction, planning and conducting civil and criminal investigations into alleged violations.

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Cooperative Agreements with States: The Cooperative Enforcement Program leverages the resources of coastal state and U.S. territorial marine conservation law enforcement agencies to provide direct support for the Federal enforcement mission. These partners execute JEAs with NOAA to support Federal enforcement efforts near shore and at sea, as well as provide land-based monitoring and inspection activities. This approach addresses challenges associated with geographic jurisdiction, the breadth of laws and regulations within NOAA's stewardship responsibilities, the amount of regulated commercial activity (fishing and both domestic and international trade), and the amount of recreational use of the marine environment. This cooperative program allows OLE to concentrate on the investigation and resolution of more serious violations by integrating monitoring and inspection activities for Federal requirements with the work of state/territorial enforcement partners and the U.S. Coast Guard. More information on the program can be found at <https://www.fisheries.noaa.gov/topic/enforcement#cooperative-enforcement>.

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PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

								Increase from 2027 Base	
				2027 Base		2027 Estimate		Personnel	Amount
				<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Enforcement	Pos./BA	214	81,899			224	88,329	10	6,430
	FTE/OBL	191	81,899			198	88,329	7	6,430

America First Seafood Strategy: Combat IUU Fishing (+\$6,430, +7 FTE/ +10 Positions) – NOAA requests an increase of \$6.4 million to expand NMFS Office of Law Enforcement capacity to inspect fish and fish products imported into the United States. Cracking down on illegal, unreported, and unregulated (IUU) fishing is crucial for strengthening American seafood competitiveness. This request will ensure that the high demand for imported seafood does not create incentives for IUU fishing activity by foreign fleets or compete with law-abiding U.S. producers. NMFS currently lacks the capacity in the field to conduct inspections of seafood imports and investigate IUU fishing, seafood fraud, mislabeling and similar violations of U.S. trade regulations and law. Specifically, this request will provide funding to support additional staff in the top U.S. ports of entry to prevent IUU fishing derived seafood from entering U.S. markets. NMFS OLE will add additional capacity at major seafood import ports of entry, and continue to develop, test, and employ forensic testing and analytical capabilities that identify illegal and mislabeled seafood products prior to entry into the U.S. Additionally, NMFS OLE will expand the use of artificial intelligence and machine learning to analyze vessel monitoring data in order to identify likely IUU fishing in real-time. This request directly supports Executive Order 14276 “Restoring American Seafood Competitiveness” by combatting IUU fishing and protecting U.S. seafood markets from the unfair trade practices of foreign nations.

Schedule and Milestones:

- Increase NMFS OLE capacity to target and inspect seafood imports to ensure compliance, prevent illegal product from entering U.S. markets, and protect domestic industry from having to compete with unlawful foreign producers
- Increase NMFS OLE capacity to investigate and prosecute violations of U.S. trade laws

Deliverables:

- Increased number of inspections of seafood imports at major ports of entry
- Increased number of investigations of mislabeled, fraudulent and IUU fishing produced imports
- Increased number of species able to be identified in real-time with forensic field test technology

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Percentage increase of seafood trade inspections conducted					
With Increase	10	30	30	30	30
Without Increase	5	5	5	5	5
Outyear Costs:					
Direct Obligations	6,430	6,430	6,430	6,430	6,430
Capitalized	0	0	0	0	0
Uncapitalized	6,430	6,430	6,430	6,430	6,430
Budget Authority	6,430	6,430	6,430	6,430	6,430
Outlays	3,922	5,723	6,044	6,301	6,430
FTE	7	10	10	10	10
Positions	10	10	10	10	10

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Enforcement

Subactivity: Enforcement

Program Change: America First Seafood Strategy: Combat IUU Fishing

Title	Grade	Number	Annual Salary	Total Salaries
Enforement Officer (Boston)	ZA-03	3	84,579	253,737
Enforement Officer (Seattle)	ZA-03	3	83,935	251,805
Criminal Investigator (Boston)	ZA-03	1	84,579	84,579
Criminal Investigator (Seattle)	ZA-03	1	83,935	83,935
Investigative Analyst (Silver Spring)	ZA-03	1	85,447	85,447
Support Service (Silver Spring)	ZA-03	1	85,447	85,447
Total		10		844,950
Less lapse	25.00%	(3)		(211,238)
Total full-time permanent (FTE)		7		633,712
2027 Pay Adjustment (0%)				0
				633,712
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		7		
Total FTE		7		
Authorized Positions:				
Full-time permanent		10		
Total Positions		10		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Enforcement
Subactivity: Enforcement

		2025	2026	2027	2027	Increase
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	28,257	26,908	27,003	27,637	634
11.3	Other than full-time permanent	15	15	16	16	0
11.5	Other personnel compensation	3,217	3,063	3,063	3,063	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	31,489	29,986	30,082	30,716	634
12	Civilian personnel benefits	14,850	14,850	15,051	15,210	159
13	Benefits for former personnel	400	11	11	11	0
21	Travel and transportation of persons	1,389	1,389	1,397	1,597	200
22	Transportation of things	85	85	88	288	200
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	3,075	3,075	3,128	3,128	
23.2	Rental Payments to others	402	402	408	408	0
23.3	Communications, utilities and misc charges	926	926	926	1,006	80
24	Printing and reproduction	72	72	75	75	0
25.1	Advisory and assistance services	739	739	812	812	0
25.2	Other services from non-Federal sources	22,088	26,924	27,303	32,375	5,072
25.3	Other goods and services from Federal sources	904	904	947	947	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	3	3	4	4	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	6	6	6	6	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	927	927	948	958	10
31	Equipment	139	139	151	226	75
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	562	562	562	562	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	Total obligations	78,056	81,000	81,899	88,329	6,430

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Enforcement	Pos./BA	214	81,899	214	63,226	0	(18,673)
	FTE/OBL	191	81,899	191	63,226	0	(18,673)

Cooperative Enforcement Program Termination (-\$18,673, 0 FTE/ 0 Positions) – This request does not include funding for the Cooperative Enforcement Program (CEP). OLE will continue to enforce NOAA's natural resource protection laws and promote compliance with Federal regulations to conserve and protect our Nation's living marine resources and their natural habitat. Previously under the CEP program, NOAA implemented Joint Enforcement Agreements (JEAs) with 29 state and U.S. territory partners to support Federal enforcement efforts near shore and at sea, and land-based monitoring and inspection activities. These JEAs provided funds to state and U.S. territorial law enforcement agencies to perform enforcement services in support of Federal enforcement activities.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Enforcement
Subactivity: Enforcement

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	28,257	26,908	27,003	27,003	0
11.3	Other than full-time permanent	15	15	16	16	0
11.5	Other personnel compensation	3,217	3,063	3,063	3,063	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	31,489	29,986	30,082	30,082	0
12	Civilian personnel benefits	14,850	14,850	15,051	15,051	0
13	Benefits for former personnel	400	11	11	11	0
21	Travel and transportation of persons	1,389	1,389	1,397	1,397	0
22	Transportation of things	85	85	88	88	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	3,075	3,075	3,128	3,128	0
23.2	Rental Payments to others	402	402	408	408	0
23.3	Communications, utilities and misc charges	926	926	926	926	0
24	Printing and reproduction	72	72	75	75	0
25.1	Advisory and assistance services	739	739	812	812	0
25.2	Other services from non-Federal sources	22,088	26,924	27,303	8,630	(18,673)
25.3	Other goods and services from Federal sources	904	904	947	947	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	3	3	4	4	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	6	6	6	6	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	927	927	948	948	0
31	Equipment	139	139	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	562	562	562	562	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	Total obligations	78,056	81,000	81,899	63,226	(18,673)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Habitat Conservation and Restoration

Goal Statement

NMFS protects and restores habitat that is foundational to our Nation's fisheries.

Base Program

Habitat Conservation and Restoration provides funding for NMFS' habitat program, including the Office of Habitat Conservation (OHC), habitat divisions in Regional Offices, and habitat work in Science Centers. NMFS implements the Community-Based Habitat Restoration program by administering competitive funding opportunities and providing expert technical assistance to partners implementing habitat restoration projects. OHC also restores natural resources through the public Natural Resource Damage Assessment process. NMFS conducts Essential Fish Habitat (EFH) consultations on Federal projects that impact fisheries habitat and works with Fishery Management Councils on EFH designations, supporting economic development and infrastructure projects. This program also implements NOAA's work in the Chesapeake Bay, including oyster restoration activities. This work is authorized through several statutes, including: Magnuson-Stevens Fishery Conservation and Management Act; Federal Power Act; Energy Policy Act of 2005; Oil Pollution Act; and Comprehensive Environmental Response, Compensation and Liability Act. Additional information about NMFS habitat conservation can be found at: <https://www.fisheries.noaa.gov/topic/habitat-conservation>.

Statement of Operating Objectives

Schedule and Milestones:

Ongoing:

- Promote permitting efficiencies, including implementing a streamlined and centralized review process for fishway prescriptions at hydroelectric projects undergoing relicensing by the Federal Energy Regulatory Commission
- Expedite essential fish habitat consultations for priority energy and infrastructure projects to meet the project development schedules of Federal action agency
- Provide technical assistance and funding for large-scale habitat restoration projects across the country
- Engage in the development of restoration plans through the Natural Resource Damage Assessment (NRDA) public process

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Deliverables:Ongoing:

- Final restoration plans identifying how NRDA funding will be used to restore habitats
- Habitat assessments and mapping products and data to support restoration and monitoring of oyster reefs in the Chesapeake Bay
- Technical guidance and assistance provided to NOAA partners, Federal action agencies, and resource decision-makers to achieve protection and restoration of NOAA trust resources
- Technical restoration expertise delivered to partners to support planning and design phases in order to develop effective and sustainable restoration solutions that maximize fisheries and community benefits

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Habitat Conservation and Restoration	Pos/BA	155	216,669	131	57,684	131	58,366
	FTE/OBL	199	149,676	117	57,684	117	58,366
Total Habitat Conservation and Restoration	Pos/BA	155	216,669	131	57,684	131	58,366
	FTE/OBL	199	149,676	117	57,684	117	58,366

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Habitat Conservation and Restoration

Habitat restoration helps repair lost and degraded habitats and is key to sustainable fisheries. OHC's Restoration Center administers competitive funding opportunities and provides expert technical assistance to partners for the implementation of habitat restoration nationwide, working closely with partners across the country to ensure high quality projects. OHC also leads restoration planning and implementation of efforts to restore habitat and natural resources impacted by oil spills and hazardous substance releases through the Damage Assessment Remediation and Restoration Program.

NOAA conducts Essential Fish Habitat (EFH) consultations on Federal projects impacting habitat important to our Nation's fisheries focusing on early coordination and efforts to efficiently execute EFH consultation requirements. NOAA also works closely with Fishery Management Councils on EFH designations and reviews as authorized under the Magnuson-Stevens Fishery Conservation and Management Act.

Under the Federal Power Act, NOAA helps ensure passage for migratory fish at hydropower dams undergoing relicensing by the Federal Energy Regulatory Commission and provides technical expertise to expedite permitting for priority projects.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Habitat	Pos./BA	131	58,366	0	0	(131)	(58,366)
Conservation and Restoration	FTE/OBL	117	58,366	0	0	(117)	(58,366)

Habitat Conservation and Restoration Termination (-\$58,366, -117 FTE/ -131 Positions) – This request terminates funding for the Office of Habitat Conservation, as well as the habitat divisions in Regional Offices and habitat work in Science Centers. For programmatic statutory responsibilities, NOAA will still be able to receive and expend funds from another Federal agency, state, tribe, or territory to support permitting and related regulatory activities.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Habitat Conservation and Restoration

Subactivity: Habitat Conservation and Restoration

Program Change: Habitat Conservation and Restoration Termination

Title	Grade	Number	Annual Salary	Total Salaries
Fish and Wildlife Administrator	ZP-V	(3)	190,966	(572,898)
Natural Resources Management and Biological Sciences	ZP-IV	(77)	172,581	(13,288,737)
Natural Resources Management and Biological Sciences	ZP-III	(33)	122,544	(4,043,952)
Management and Program Analyst	ZA-IV	(5)	172,581	(862,905)
Management and Program Analyst	ZA-III	(5)	122,544	(612,720)
Misc Administration and Program	ZA-III	(2)	122,544	(245,088)
Budget Analyst	ZA-IV	(1)	172,581	(172,581)
Budget Analyst	ZA-III	(2)	122,544	(245,088)
Financial Administration	ZA-IV	(1)	172,581	(172,581)
Financial Administration	ZA-III	(2)	122,544	(245,088)
Total		(131)		(20,461,638)
Less Adjustment		14		2,187,349
Total full-time permanent (FTE)		(117)		(18,274,289)
2026 Pay Adjustment (0%)				0
				(18,274,289)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(117)		
Total FTE		(117)		
Authorized Positions:				
Full-time permanent		(131)		
Total Positions		(131)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Habitat Conservation and Restoration

Subactivity: Habitat Conservation and Restoration

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	28,515	18,202	18,274	0	(18,274)
11.3	Other than full-time permanent	191	146	146	0	(146)
11.5	Other personnel compensation	656	503	503	0	(503)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	29,362	18,851	18,923	0	(18,923)
12	Civilian personnel benefits	10,754	6,712	6,865	0	(6,865)
13	Benefits for former personnel	822	20	20	0	(20)
21	Travel and transportation of persons	521	521	527	0	(527)
22	Transportation of things	41	41	43	0	(43)
23	Rent, communications, and utilities					
23.1	Rental payments to GSA	1,160	1,160	1,200	0	(1,200)
23.2	Rental Payments to others	219	219	224	0	(224)
23.3	Communications, utilities and misc charges	267	267	267	0	(267)
24	Printing and reproduction	36	36	39	0	(39)
25.1	Advisory and assistance services	3,087	3,087	3,143	0	(3,143)
25.2	Other services from non-Federal sources	4,125	4,125	4,412	0	(4,412)
25.3	Other goods and services from Federal sources	879	879	912	0	(912)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	1	1	1	0	(1)
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	282	282	298	0	(298)
31	Equipment	136	136	145	0	(145)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	97,984	21,347	21,347	0	(21,347)
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	Total obligations	149,676	57,684	58,366	0	(58,366)

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Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	2	2	65,000	65,408
Less: Obligations from Prior Year Balances	0	0	0	(408)
Less: Mandatory adjustment	0	0	0	0
2027 Base	2	2	65,000	65,000
Plus: 2027 Program Changes	(2)	(2)	(65,000)	(65,000)
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Pacific Coastal Salmon Recovery Fund	Pos/BA	2 99,300	2 65,000	2 65,000	0 0	(2) (65,000)
	FTE/OBL	3 99,510	2 65,408	2 65,000	0 0	(2) (65,000)
Total: Pacific Coastal Salmon Recovery Fund	Pos/BA	2 99,300	2 65,000	2 65,000	0 0	(2) (65,000)
	FTE/OBL	3 99,510	2 65,408	2 65,000	0 0	(2) (65,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	3	99,510	2	65,408	2	65,000	0	0	(2)	(65,000)
Mandatory Obligations	0	0	0	0	0	0	0	0		
Total Obligations	3	99,510	2	65,408	2	65,000	0	0	(2)	(65,000)
Adjustments for:										
Recoveries	0	(143)	0	0	0	0	0	0	0	0
Unobligated balance, adjustment mandatory	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(475)	0	(408)	0	0	0	0	0	0
Unobligated balance, adj. EOY	0	408	0	0	0	0	0	0	0	0
Total Budget Authority	3	99,300	2	65,000	2	65,000	0	0	(2)	(65,000)
Financing from Transfers and Other:										
Transfer to ORF	0	100	0	0	0	0	0	0	0	0
Appropriation	3	99,400	2	65,000	2	65,000	0	0	(2)	(65,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Pacific Coastal Salmon Recovery Fund

For FY 2027, NMFS requests a total of \$0 for this fund.

Goal Statement

The Pacific Coastal Salmon Recovery Fund (PCSRF) was established by Congress in FY 2000 to protect, restore, and conserve Pacific salmon and steelhead and their habitats through competitive funding to states and Tribes.

Base Program

Congressionally authorized activities include:

- Conserving salmon and steelhead populations that are listed as threatened or endangered, or identified by a state as at-risk to be so listed,
- Maintaining populations necessary for the exercise of Tribal treaty fishing rights or native subsistence fishing, and
- Conserving Pacific coastal salmon and steelhead habitat.

The PCSRF program's three priorities are:

- Eligible projects are those that address factors limiting the productivity of Pacific anadromous salmonid populations that are listed under the Endangered Species Act (ESA), and/or necessary for the exercise of treaty fishing rights or native subsistence fishing.
- Eligible projects consist of watershed-scale or larger effectiveness monitoring and the biological response of salmonid populations to habitat restoration actions; population-scale status and trend monitoring that directly contribute to population viability assessments for ESA-listed anadromous salmonids or populations, monitoring necessary for the exercise of tribal-treaty fishing rights or native subsistence fishing on anadromous salmonids, or conducting watershed-scale or larger restoration planning.
- Eligible projects include all other projects consistent with the congressional authorization with demonstrated need for PCSRF funding.

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Statement of Operating Objectives

PCSRF has a longstanding history of successfully providing technical and financial assistance to states and Tribes to develop high quality programs and projects that support salmon and steelhead populations. In recent years, the program has incorporated the best available science as we face the impacts of changing ecosystems on salmon and steelhead populations.

PCSRF awards to grantees remain active for up to five years with an estimated 1,393 active projects funded from FY 2020 through FY 2025. PCSRF funds all activities supporting salmon recovery. All projects are classified into the following categories with examples of current projects:

Explanation and Justification

The PCSRF program provides competitive funding to states and Tribes of the Pacific Coast region to implement projects that restore and protect salmonid populations and their habitats. Eligible applicants include the States of Washington, Oregon, California, Idaho, Nevada, and Alaska and Federally recognized Tribes of the Columbia River and Pacific Coast (including Alaska). States are required to provide 33 percent matching funds, and PCSRF awards are supplemented further by significant private and local contributions at the project level. No match is required from the Federally recognized Tribes or tribal commissions/consortia. The Budget does not provide funding for this program.

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease From 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Pacific Coastal Salmon	Pos./BA	2	65,000	0	0	(2)	(65,000)
Recovery Fund	FTE/OBL	2	65,000	0	0	(2)	(65,000)

Pacific Coastal Salmon Recovery Fund Termination (-\$65,000, -2 FTE/ -2 Positions) – With this request, NMFS will continue its Federal commitment to advancing Pacific salmon and steelhead recovery and Tribal treaty fishing rights through other NOAA programs as resources allow.

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Pacific Coastal Salmon Recovery Fund
 Subactivity: Pacific Coastal Salmon Recovery Fund
 Program Change: Pacific Coastal Salmon Recovery Fund Termination

Title	Grade	Number	Annual Salary	Total Salaries
Fish Biologist - Long Beach, CA	ZPIV	(1)	124,476	(124,476)
Archeologist - Portland, OR	ZPIII	(1)	80,465	(80,465)
Total		(2)		(204,941)
Less adjustment		0		0
Total full-time permanent (FTE)		(2)		(204,941)
2027 Pay Adjustment (0.0%)				0
				(204,941)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(2)		
Total FTE		(2)		
Authorized Positions:				
Full-time permanent		(2)		
Total Positions		(2)		

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Pacific Coastal Salmon Recovery Fund
Subactivity: Pacific Coastal Salmon Recovery Fund

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	284	284	205	0	(205)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	284	284	205	0	(205)
12	Civilian personnel benefits	99	99	91	0	(91)
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	Rent, communications, and utilities	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	Communications, utilities and misc charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	8	8	0	0	0
25.2	Other services from non-Federal sources	400	400	264	0	(264)
25.3	Other goods and services from Federal sources	0	0	0	0	0
25.4	Operation and maintenance of facilities	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 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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	98,719	64,617	64,440	0	(64,440)
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	Total obligations	99,510	65,408	65,000	0	(65,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	284	284	205	0	(205)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	284	284	205	0	(205)
12.1	Civilian personnel benefits	99	99	91	0	(91)
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	8	8	0	0	0
25.2	Other services from non-federal sources	400	400	264	0	(264)
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	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	98,719	64,617	64,440	0	(64,440)
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	Total Obligations	99,510	65,408	65,000	0	(65,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Pacific Coastal Salmon Recovery Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	(143)	0	0	0	0
Less unobligated balance, SOY	(475)	(408)	0	0	0
Less unobligated balance, adjustment mandatory	0	0	0	0	0
Plus unobligated balance, EOY	408	0	0	0	0
Total Budget Authority	99,300	65,000	65,000	0	(65,000)

Personnel Data

Full-Time equivalent Employment:

Full-time permanent	3	2	2	0	(2)
Other than full time permanent	0	0	0	0	0
Total	3	2	2	0	(2)

Authorized Positions:

Full-time permanent	2	2	2	0	(2)
Other than full time permanent	0	0	0	0	0
Total	2	2	2	0	(2)

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Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
SUMMARY OF REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	1	1	300	98,850
Plus: Obligations from prior year balances	0	0	0	201,150
Less: Other Adjustments-to-Base	0	0	0	0
2027 Base	1	1	300	300,000
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	1	1	300	300,000

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Fisheries Disaster Assistance Fund	Pos/BA	1 300,000	1 300	1 300	1 300	0 0
	FTE/OBL	1 32,052	1 98,850	1 300,000	1 300,000	0 0
Total: Fisheries Disaster Assistance Fund	Pos/BA	1 300,000	1 300	1 300	1 300	0 0
	FTE/OBL	1 32,052	1 98,850	1 300,000	1 300,000	0 0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
SUMMARY OF REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	1	32,052	1	98,850	1	300,000	1	300,000	0	0
Total Obligations	1	32,052	1	98,850	1	300,000	1	300,000	0	0
Adjustments for:										
Recoveries	0	(3,633)	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(126,674)	0	(398,250)	0	(299,700)	0	(299,700)	0	0
Unobligated balance, expired	0	5	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	398,250	0	299,700	0	0	0	0	0	0
Total Budget Authority	1	300,000	1	300	1	300	1	300	0	0
Financing from Transfers and Other:										
Transfer to ORF	0	300	0	0	0	0	0	0	0	0
Net Appropriation	1	300,300	1	300	1	300	1	300	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Fisheries Disaster Assistance Fund

For FY 2027, NMFS requests a total of \$300 for this fund.

Goal Statement

To enhance and expedite the review and analysis of fishery disaster requests, allocations, and spend plans, and support faster turnarounds and improved programs for recipients.

Base Program

Fishery disaster assistance is administered by NOAA's National Marine Fisheries Service within the Department of Commerce. The Fishery Resource Disasters Improvement Act, enacted in December 2022, amended the Magnuson-Stevens Fishery Conservation and Management Act (MSA). Under MSA, a request for a fishery disaster determination is generally made by the Governor of a State, or an elected leader of a fishing community, although the Secretary of Commerce may also initiate a review at their own discretion. The Secretary determines whether the circumstances are consistent with relevant statute and warrant a fishery disaster determination. If the Secretary determines that a fishery disaster has occurred, Congress may appropriate funds for disaster assistance, which are administered by the Secretary.

Statement of Operating Objectives

MSA 312(a)(2) allows for fishery disaster funds to be used for assessing the economic and social effects of the commercial fishery failure and for activities that restore the fishery or prevent a similar failure in the future and to assist a fishing community affected by such failure. Additionally, any such activity may not expand the size or scope of the commercial fishery failure in that fishery or into other fisheries or other geographic regions.

Explanation and Justification

NMFS is committed to quickly evaluating information from requestors for fishery disaster assistance to determine if a fishery disaster has occurred and getting assistance to fishers in a more timely way. If Congress appropriates funds, NOAA allocates the funding to positively determined fishery disasters and administers the funds through approved non-competitive awards consistent with spend

**Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)**

plans developed by the recipients. These funds will be used to support implementation of the Fishery Resource Disaster Improvement Act.

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	96	99	99	99	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	1	3	3	3	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	97	102	102	102	0
12.1	Civilian personnel benefits	31	36	36	36	0
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	Comm., util., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	5	5	5	5	0
25.2	Other services from non-federal sources	162	157	157	157	0
25.3	Other goods and services from Federal sources	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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	31,757	98,550	299,700	299,700	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	Total Obligations	32,052	98,850	300,000	300,000	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Disaster Assistance Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	(3,633)	0	0	0	0
Plus unobligated balance, transferred	0	0	0	0	0
Unobligated balance, expired	5	0	0	0	0
Less unobligated balance, SOY	(126,674)	(398,250)	(299,700)	(299,700)	0
Plus unobligated balance, EOY	398,250	299,700	0	0	0
Total Budget Authority	300,000	300	300	300	0

Personnel Data

Full-Time equivalent Employment:

Full-time permanent	1	1	1	1	0
Other than full time permanent	0	0	0	0	0
Total	1	1	1	1	0

Authorized Positions:

Full-time permanent	1	1	1	1	0
Other than full time permanent	0	0	0	0	0
Total	1	1	1	1	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fishermen's Contingency Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	349	349
Plus: Obligations from prior year balances	0	0	0	0
Plus: Other Adjustments-to- Base	0	0	0	0
2027 Base	0	0	349	349
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	349	349

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
Fishermen's Contingency Fund	Pos/BA	0	22	0	349	0	349	0	349	0	0
	FTE/OBL	0	0	0	349	0	349	0	349	0	0
Total: Fishermen's Contingency Fund	Pos/BA	0	22	0	349	0	349	0	349	0	0
	FTE/OBL	0	0	0	349	0	349	0	349	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fishermen's Contingency Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	0	0	349	0	349	0	349	0	0
Total Obligations	0	0	0	349	0	349	0	349	0	0
Adjustments for:										
Unobligated balance, adj. SOY	0	(909)	0	(931)	0	(931)	0	(931)	0	0
Unobligated balance, EOY	0	931	0	931	0	931	0	931	0	0
Total Budget Authority	0	22	0	349	0	349	0	349	0	0
Financing from Transfers and Other:										
Temporarily Reduced	0	0	0	0	0	0	0	0	0	0
Unapportioned	0	0	0	0	0	0	0	0	0	0
Discretionary Appropriation	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	22	0	349	0	349	0	349	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fishermen's Contingency Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Fishermen's Contingency Fund

For FY 2027, NMFS requests a total of \$349 for this fund.

Goal Statement

This fund compensates U.S. commercial fishermen for damage or loss of fishing gear, vessels, and resulting economic loss caused by obstructions related to oil or gas exploration, development, and production in any area of the Outer Continental Shelf.

Base Program

The Fishermen's Contingency Fund is authorized under Section 402 of Title IV of the Outer Continental Shelf Lands Act Amendments of 1978. This fund minimizes financial instability of the fishing industry caused by competing uses of the OCS and provides for timely resolution of claims by vessel owners.

Statement of Operating Objectives

Fishermen who can prove that they suffered losses in income due to inability or reduced capacity to fish as a result of the damage sustained may be eligible for compensation for economic loss and property loss or damage. Compensation for economic loss is based on 50 percent of gross income lost, rather than loss of profits.

Explanation and Justification

The funds used to provide this compensation are derived solely from fees collected on an annual basis by the Secretary of the Interior from the holders of leases, exploration permits, easements, or rights-of-way in areas of the OCS. Disbursements can be made only to the extent authorized in appropriation acts.

PROPOSED LEGISLATION:

For carrying out the provisions of Title IV of Public Law 95-372, not to exceed \$349,000, to be derived from receipts collected pursuant to that Act, to remain available until expended.

Department of Commerce
National Oceanic and Atmospheric Administration
Fishermen's Contingency Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non Federal sources	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	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	349	349	349	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	0	0	0	0	0
99	Total Obligations	0	349	349	349	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fishermen's Contingency Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	(909)	(931)	(931)	(931)	0
Less unapportioned	0	0	0	0	0
Plus unobligated balance, EOY	931	931	931	931	0
Unobligated balance, rescission	0	0	0	0	0
Total Budget Authority	22	349	349	349	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Foreign Fishing Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	0	0
Less: Obligations from prior year balances	0	0	0	0
Plus: Other Adjustments to Base	0	0	0	0
2027 Base	0	0	0	0
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
Foreign Fishing Observer 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
Total: Foreign Fishing Observer 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

Department of Commerce
National Oceanic and Atmospheric Administration
Foreign Fishing Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	0	0	0	0		0	0	0	0
Total Obligations	0	0	0	0	0		0	0	0	0
Adjustments for:										
Unobligated balance, adj. SOY	0	(522)	0	(522)	0		0	(522)	0	(522)
Unobligated balance, EOY	0	522	0	522	0		0	522	0	522
Total Budget Authority	0	0	0	0	0		0	0	0	0
Financing from Transfers and Other:										
Unobligated balance, rescission	0	0	0	0	0		0	0	0	0
Net Appropriation	0	0	0	0	0		0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Foreign Fishing Observer Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Foreign Fishing Observer Fund

For FY 2027, NMFS requests a total of \$0 for this fund.

Goal Statement

The goals of this fund are to provide 100 percent observer coverage aboard foreign vessels fishing within the U.S. EEZ; increase compliance with fishery regulations and requirements; support balanced conservation and management measures to achieve and maintain the optimum use of living marine resources; collect data to determine foreign compliance with fishery regulations and the status of fish stocks within the U.S. EEZ; and administer the base and supplemental observer programs in a cost-effective manner.

Base Program

The Foreign Fishing Observer Fund is financed through fees collected from owners and operators of foreign fishing vessels fishing within the U.S. EEZ (such fishing requires a permit issued under the Magnuson-Stevens Fishery Conservation and Management Act). The fund is used by NOAA to pay salaries, administrative costs, data editing and entry, and other costs incurred in placing observers aboard foreign fishing vessels.

Statement of Operating Objectives

- Monitor foreign fishing for compliance with U.S. fishing regulations
- Collect biological data

Explanation and Justification

The observer program is conducted primarily through contracts with the private sector. This includes longline vessels fishing in the Atlantic billfish and shark fishery and other foreign vessels fishing in the EEZ. NOAA places these observers aboard foreign fishing vessels to monitor compliance with U.S. fishery laws and to collect fishery management data. Amounts available in the fund can be disbursed only to the extent and in amounts provided in appropriation acts. In FY 1985, Congress approved the establishment of a supplemental observer program. The program provided that foreign vessels without federally funded observers are required to obtain the services of private contractors certified by the Secretary of Commerce.

Department of Commerce
National Oceanic and Atmospheric Administration
Foreign Fishing Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation	0	0	0	0	0
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-Federal sources	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	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	Total Obligations	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Foreign Fishing Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	(522)	(522)	(522)	(522)	0
Plus unobligated balance, EOY	522	522	522	522	0
Unobligated balance, rescission	0	0	0	0	0
Total Budget Authority	0	0	0	0	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	3,507	3,507
Less: 2027 Adjustments to Base	0	0	(3,507)	(3,507)
2027 Base	0	0	0	0
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
Fisheries Finance Program Account	Pos/BA	0	405	0	3,507	0	0	0	0	0	0
	FTE/OBL	0	405	0	3,507	0	0	0	0	0	0
Total: Fisheries Finance Program Account	Pos/BA	0	405	0	3,507	0	0	0	0	0	0
	FTE/OBL	0	405	0	3,507	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Loan Modification	0	0	0	0	0	0	0	0	0	0
Credit Reestimates	0	405	0	3,507	0	0	0	0	0	0
Total Obligations	0	405	0	3,507	0	0	0	0	0	0
Adjustments for:										
Recoveries	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(2,781)	0	(2,781)	0	(2,781)	0	(2,781)	0	0
Unobligated balance, EOY	0	2,781	0	2,781	0	2,781	0	2,781	0	0
Total Budget Authority	0	405	0	3,507	0	0	0	0	0	0
Financing from Transfers and Other:										
Less: Permanent Indefinite Authority (Mandatory)	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	405	0	3,507	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Fisheries Finance Program Account

For FY 2027, NMFS requests a total of \$0 for the Fisheries Finance Program Account.

Goal Statement

The Fisheries Finance Program (FFP) is a national loan program that makes long-term, fixed-rate financing available to U.S. citizens who otherwise qualify for financing or refinancing.

Base Program

NOAA's FFP offers financing to U.S. companies seeking to improve their commercial fisheries, aquaculture facilities, and fishing vessels. Vessel financing or refinancing that could contribute to overcapitalization by increasing harvesting capacity is prohibited by regulation.

Statement of Operating Objectives

The purpose of these loans is to provide affordable financing to support participants of the fishing and aquaculture industries.

Explanation and Justification

Types of activities for financing include the reconstruction, reconditioning, and, in some cases, the purchasing of fishing vessels, shoreside processing, aquaculture, mariculture facilities, purchase or refinance the purchase of harvesting rights in federally managed limited access systems, and the purchase of individual fishing quota (IFQ) in two Northwest fisheries. The FFP also provides fishery-wide financing to ease the transition to sustainable fisheries through its fishing capacity reduction programs and provides IFQ financing to fishermen who fish from small vessels and entry-level fishermen to promote stability and reduce consolidation in already rationalized fisheries. Additionally, FFP can provide loans for fisheries investments of Western Alaska Community Development Quota (CDQ) groups.

The FFP operates under the authority of Subtitle V of Title 46 of the U.S. Code, formerly known as "Title XI of the Merchant Marine Act of 1936," 46 U.S.C. 53701; Section 303(a) of the Sustainable Fisheries Act amendments to the Magnuson-Stevens Fishery Conservation and Management Act; and, from time to time FFP-specific legislation. FFP lending practices are guided by Title XI,

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

general rules implementing Title XI (found at 50 CFR part 253, subpart B), and NOAA's sustainable fisheries policy. The overriding guideline for all FFP financings is that they cannot contribute or be construed to contribute to an increase in existing fish harvesting.

FFP authority is subject to the Federal Credit Reform Act of 1990 (FCRA) (2 U.S.C. 661), which requires the estimated loan losses (FCRA cost) be appropriated in cash at the time Congress authorizes annual credit ceilings. Some types of FFP loans require no FCRA subsidy appropriations because these types of loans have historically not required additional loan subsidy. However, specific loan ceilings for each type of loan authority must be included in appropriation language or other bill language regardless of the need for cash appropriations.

PROPOSED LEGISLATION:

Subject to section 502 of the Congressional Budget Act of 1974, during fiscal year 2027, obligations of direct loans may not exceed \$24,000,000 for Individual Fishing Quota loans and not to exceed \$150,000,000 for traditional direct loans as authorized by the Merchant Marine Act of 1936.

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
SUMMARY OF RESOURCE REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-Federal sources	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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	405	3,507	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	Total Obligations	405	3,507	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Finance Program Account
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	(2,781)	(2,781)	(2,781)	(2,781)	0
Plus unobligated balance, EOY	2,781	2,781	2,781	2,781	0
Unobligated balance, rescission	0	0	0	0	0
Total Budget Authority	405	3,507	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Promote and Develop Fisheries Products
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	10,000	10,000
Less: Obligations from prior year balances			(10,000)	(10,000)
Less: 2027 Adjustments to Base				
2027 Base	0	0	0	0
Plus: 2027 Program Changes				
2027 Estimate	0	0	0	0

			2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/Decrease from 2027 Base Personnel Amount		
Promote and Develop Fisheries Products	Pos/BA	0	0	0	10,000	0	0	0	0
	FTE/OBL	0	5,988	0	10,000	0	0	0	0
Total: Promote and Develop Fisheries Products	Pos/BA	0	0	0	10,000	0	0	0	0
	FTE/OBL	0	5,988	0	10,000	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Promote and Develop Fisheries Products
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	5,988	0	10,000	0	0	0	0	0	0
Total Obligations	0	5,988	0	10,000	0	0	0	0	0	0
Adjustments for:										
Unobligated balance, adj. SOY	0	(6,972)	0	(198)	0	0	0	0	0	0
Unobligated balance, transferred	0	987	0	198	0	0	0	0	0	0
Recoveries	0	(201)	0	0	0	0	0	0	0	0
Unobligated balance, adj. EOY	0	198	0	0	0	0	0	0	0	0
Total Budget Authority	0	0	0	10,000	0	0	0	0	0	0
Financing from Transfers and Other:										
Transfer from USDA	0	(345,293)	0	(413,534)	0	(413,534)	0	(413,534)	0	0
Appropriations previously unavailable	0	(21,510)	0	(19,682)	0	(23,572)	0	(23,572)	0	0
Permanently Reduced	0	0	0	0	0	0	0	0	0	0
Temporarily Reduced	0	19,682	0	23,572	0	23,572	0	23,572	0	0
Transfer to ORF	0	347,121	0	399,644	0	413,534	0	413,534	0	0
Net Appropriation	0	0	0	0	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Promote and Develop Fisheries Products
JUSTIFICATION OF PROGRAM AND PERFORMANCE

(Dollar amounts in thousands)

Activity: Promote and Develop Fisheries Products

For FY 2027, NOAA estimates that a total of \$413,534 will be transferred from the Department of Agriculture to the Promote and Develop account, after accounting for sequestration and prior year recoveries. NOAA requests to transfer \$413,534 from the Promote and Develop account to the Operations, Research, and Facilities (ORF) account, leaving \$0 for the Saltonstall-Kennedy (S-K) grant program in FY 2027.

Goal Statement

To address the needs of fishing communities in optimizing economic benefits by building and maintaining sustainable fisheries and practices, dealing with the impacts of conservation and management measures, and increasing other opportunities to keep working waterfronts viable.

Base Program

In FY 2027, NOAA will transfer \$413,534 from the Promote and Develop account to offset appropriations in the NMFS ORF account. The transfer to ORF will support data collection, data management, and fisheries stock assessment production within Fisheries Science and Management program activities. The FY 2027 request proposes revised CJS bill language for the transfer to ORF enabling all budget lines within Fisheries Science and Management to be funded with this transfer. This change is necessary in order to execute the transfer funds and is due to the larger amount being transferred.

Statement of Operating Objectives

The Budget does not provide funding for the S-K grant program.

Explanation and Justification

The Promote and Develop account funds are derived from a transfer of thirty percent of duties on imported fisheries products from the Department of Agriculture. Any funds remaining in this account after the ORF transfer are available to carry out the purposes of the S-K program. The Budget does not provide funding for the S-K grant program.

Department of Commerce
National Oceanic and Atmospheric Administration
Promote and Develop Fisheries Products
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation	0	0	0	0	0
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	1	0	0	0	0
25.2	Other services from non-federal sources	37	0	0	0	0
25.3	Other goods and services from Federal sources	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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	5,950	10,000	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
99	Total Obligations	5,988	10,000	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Promote and Develop Fisheries Products
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less unobligated balance, SOY	(6,972)	(198)	0	0	0
Unobligated balance, transferred	987	198	0	0	0
Plus unobligated balance, EOY	198	0	0	0	0
Recoveries	(201)	0	0	0	0
Total Budget Authority	0	10,000	0	0	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Federal Ship Financing Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	0	0
2027 Base	0	0	0	0
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
Federal Ship Financing 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
Total: Federal Ship Financing 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

Department of Commerce
National Oceanic and Atmospheric Administration
Federal Ship Financing Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	0	0	0	0	0	0	0	0	0
Total Obligations	0	0	0	0	0	0	0	0	0	0
Adjustments for:										
Transfer to Treasury (mandatory)	0	0	0	0	0	0	0	0	0	0
Offsetting collections (mandatory)	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. EOY	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	0	0	0	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Federal Ship Financing Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Federal Ship Financing Fund

For FY 2027, NMFS estimates a total of \$0 for the Federal Ship Financing Fund Account.

Goal Statement

To provide for a liquidating account necessary for the collection of premiums and fees under the Fishing Vessel Obligations Guarantee program for loan commitments made prior to FY 1992.

Base Program

Administrative expenses for management of the loan guarantee portfolio were charged to the Federal Ship Financing Fund prior to the enactment of the Federal Credit Reform Act of 1990. Administrative expenses are charged to the ORF account.

Statement of Operating Objectives

- Collect repayments and interest
- Repay borrowings plus interest
- Pay default claims and interest

Explanation and Justification

These collections are for operations of this program, loans, and for use in case of default.

Department of Commerce
National Oceanic and Atmospheric Administration
Federal Ship Financing Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation	0	0	0	0	0
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-Federal sources	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	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	Total Obligations	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Federal Ship Financing Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Plus transfers to Treasury	0	0	0	0	0
Less unobligated balance, SOY	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Less offsetting Collections	0	0	0	0	0
Total Budget Authority	0	0	0	0	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Environmental Improvement and Restoration Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	9,063	9,063
Less: Obligations from prior year balances	0	0	0	0
Less: 2027 Adjustments to Base	0	0	1,615	1,615
2027 Base	0	0	10,678	10,678
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	10,678	10,678

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Environmental Improvement and Restoration Fund	Pos/BA	0 8,206	0 9,063	0 10,678	0 10,678	0 0
	FTE/OBL	0 15,035	0 9,063	0 10,678	0 10,678	0 0
Total: Environmental Improvement and Restoration Fund	Pos/BA	0 8,206	0 9,063	0 10,678	0 10,678	0 0
	FTE/OBL	0 15,035	0 9,063	0 10,678	0 10,678	0 0

Department of Commerce
National Oceanic and Atmospheric Administration
Environmental Improvement and Restoration Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	0	15,035	0	9,063	0	10,678	0	10,678	0	0
Total Obligations	0	15,035	0	9,063	0	10,678	0	10,678	0	0
Adjustments for:										
Unobligated balance, adj. SOY	0	(6,829)	0	0	0	0	0	0	0	0
Recoveries	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adjusted	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	8,206	0	9,063	0	10,678	0	10,678	0	0
Financing from Transfers and Other:										
Appropriation previously unavailable	0	0	0	0	0	0	0	0	0	0
Permanently Reduced	0	496	0	548	0	645	0	645	0	0
Net Mandatory Appropriation	0	8,702	0	9,611	0	11,323	0	11,323	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Environmental Improvement and Restoration Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Environmental Improvement and Restoration Fund

For FY 2027, NMFS estimates obligating \$10,678 in the Environmental Improvement and Restoration Fund.

Goal Statement

The Environmental Improvement and Restoration Fund (EIRF) was created by the Department of Interior and Related Agencies Appropriations Act of 1998 for the purpose of carrying out marine research activities in the North Pacific.

Base Program

These funds will provide grants to Federal, state, private, or foreign organizations or individuals to conduct research activities on or relating to the fisheries or marine ecosystems in the North Pacific Ocean, Bering Sea, and Arctic Ocean.

Statement of Operating Objectives

- Improve understanding of North Pacific marine ecosystem dynamics and use of the resources
- Improve ability to forecast and respond to effects of changes through integration of various research activities including long-term monitoring
- Improve ability to manage and protect fish and wildlife populations of the North Pacific

Explanation and Justification

Each year NOAA's EIRF account is financed with a transfer from the Department of the Interior. NOAA grants these funds to the North Pacific Research Board (NPRB), which conducts an open, competitive process for gathering research proposals. Through this process, the NPRB recommends research projects relating to fisheries or marine ecosystems in the North Pacific Ocean, Bering Sea, and Arctic Ocean, with emphasis on cooperative research designed to address pressing fishery management or marine ecosystem information needs.

Department of Commerce
National Oceanic and Atmospheric Administration
Environmental Improvement and Restoration Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-Federal sources	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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	15,035	9,063	10,678	10,678	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	Total Obligations	15,035	9,063	10,678	10,678	0

Department of Commerce
National Oceanic and Atmospheric Administration
Environmental Improvement and Restoration Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less unobligated balance, SOY	(6,829)	0	0	0	0
Plus unobligated balance, adjusted	0	0	0	0	0
Less unobligated balance, transferred	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Recoveries	0	0	0	0	0
Total Budget Authority	8,206	9,063	10,678	10,678	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Limited Access System Administration Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	40	35	16,591	16,740
Plus: Adjustments to Base	0	0	211	67
Less: Obligations from Prior Year Balances	0	0	0	0
2027 Base	40	35	16,802	16,807
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	40	35	16,802	16,807

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Limited Access System	Pos/BA	30 17,012	40 16,591	40 16,802	40 16,802	0 0
Administration Fund	FTE/OBL	26 12,847	35 16,740	35 16,807	35 16,807	0 0
Total: Limited Access System	Pos/BA	30 17,012	40 16,591	40 16,802	40 16,802	0 0
Administration Fund	FTE/OBL	26 12,847	35 16,740	35 16,807	35 16,807	0 0

Department of Commerce
National Oceanic and Atmospheric Administration
Limited Access System Administration Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	26	12,847	35	16,740	35	16,807	35	16,807	0	0
Total Obligations	26	12,847	35	16,740	35	16,807	35	16,807	0	0
Adjustments for:										
Recoveries	0	(436)	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(18,490)	0	(23,091)	0	(22,942)	0	(22,942)	0	0
Unobligated balance, unapportioned	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	23,091	0	22,942	0	22,937	0	22,937	0	0
Total Budget Authority	26	17,012	35	16,591	35	16,802	35	16,802	0	0
Financing from Transfers and Other:										
Appropriations previously unavailable	0	0	0	(824)	0	(953)	0	(953)	0	0
Temporarily Reduced	0	824	0	953	0	958	0	958	0	0
Net Appropriation	26	17,836	35	16,720	35	16,807	35	16,807	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Limited Access System Administration Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Limited Access System Administration Fund

For FY 2027, NMFS estimates obligating \$16,807 in the Limited Access System Administration account.

Goal Statement

To provide for the collection of fees to cover the incremental costs of management, data collection, and enforcement of Limited Access Privilege (LAP) programs.

Base Program

Under the authority of Magnuson-Stevens Fishery Conservation and Management Act (MSA) Section 304(d)(2)(A) funds collected are deposited into the "Limited Access System Administrative Fund" (LASAF). Fees cannot exceed three percent of the ex-vessel value of fish harvested under any such program, and shall be collected at either the time of the landing, filing of a landing report, or sale of such fish during a fishing season or in the last quarter of the calendar year in which the fish is harvested.

Statement of Operating Objectives

- Provide repository for fees collected from Limited Access Programs
- Fund incremental costs of management, data collection and analysis, and enforcement of limited access privilege programs

Explanation and Justification

The LASAF is available, without appropriation or fiscal year limitation, only for the purposes of administering the central registry system; and administering and implementing the MSA in the fishery in which the fees were collected. Sums in the fund that are not currently needed for these purposes are kept on deposit or invested in obligations of, or guaranteed by, the United States. Also, in establishing a LAP program, a Regional Council can consider, and may provide, if appropriate, an auction system or other program to collect royalties for the initial or any subsequent distribution of allocations. If an auction system is developed, revenues from these royalties are deposited in the LASAF.

Department of Commerce
National Oceanic and Atmospheric Administration
Limited Access System Administration Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	3,172	3,204	3,204	3,204	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	341	341	341	341	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	3,513	3,545	3,545	4,569	0
12.1	Civilian personnel benefits	1,624	1,624	1,624	1,624	0
13	Benefits for former personnel	25	0	0	0	0
21	Travel and transportation of persons	8	8	8	8	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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	66	66	66	66	0
25.2	Other services from non-Federal sources	3,604	7,490	7,557	7,557	0
25.3	Other goods and services from Federal sources	151	151	151	151	0
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	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	3,856	3,856	3,856	3,856	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	Total Obligations	12,847	16,740	16,807	16,807	0

Department of Commerce
National Oceanic and Atmospheric Administration
Limited Access System Administration Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Recoveries	(436)	0	0	0	0
Less unobligated balance, SOY	(18,490)	(23,091)	(22,942)	(22,942)	0
Unobligated balance, unapportioned	0	0	0	0	0
Plus unobligated balance, EOY	23,091	22,942	22,937	22,937	0
Unobligated balance, rescission	0	0	0	0	0
Total Budget Authority	17,012	16,591	16,802	16,802	0

Personnel Data

Full-Time equivalent Employment:

Full-time permanent	26	35	35	35	0
Other than full time permanent	0	0	0	0	0
Total	26	35	35	35	0

Authorized Positions:

Full-time permanent	30	40	40	40	0
Other than full time permanent	0	0	0	0	0
Total	30	40	40	40	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	0	0
Plus: Adjustments to Base	0	0	0	0
2027 Base	0	0	0	0
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
Marine Mammal Unusual Mortality Event Fund	Pos/BA	0	3	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0
Total: Marine Mammal Unusual Mortality Event Fund	Pos/BA	0	3	0	0	0	0	0	0	0	0
	FTE/OBL	0	0	0	0	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	0	0	0	0	0	0	0	0	0
Total Obligations	0	0	0	0	0	0	0	0	0	0
Adjustments for:										
Recoveries	0	0	0	0	0	0	0	0	0	0
Collections	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(35)	0	(38)	0	(38)	0	(38)	0	0
Unobligated balance, unapportioned	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	38	0	38	0	38	0	38	0	0
Total Budget Authority	0	3	0	0	0	0	0	0	0	0
Financing from Transfers and Other:										
Appropriation previously unavailable	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	3	0	0	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Marine Mammal Unusual Mortality Event Fund

For FY 2027, NMFS estimates obligating \$0 from the Marine Mammal Unusual Mortality Event Fund.

Provide funds to support investigations and responses to unusual marine mammal mortality events.

Base Program

An unusual mortality event (UME) is defined under the Marine Mammal Protection Act (MMPA) as “a stranding that is unexpected; involves a significant die-off of any marine mammal population; and demands immediate response.” Increased efforts to examine carcasses and live stranded animals have improved the knowledge of mortality rates and causes, allowing a better understanding of population threats and stressors and the ability to determine when a situation is “unusual.”

Statement of Operating Objectives

MMPA Section 405 (16 U.S.C. 1421d) establishes the Marine Mammal Unusual Mortality Event Fund and describes its purposes and how donations can be made to the Fund. The Fund is an emergency response fund used to help cover expenses incurred by the volunteer Marine Mammal Stranding Network during a UME. Specifically, the fund: “shall be available only for use by the Secretary of Commerce, in consultation with the Secretary of the Interior: to compensate persons for special costs incurred in acting in accordance with the contingency plan issued under section 1421c(b) of this title or under the direction of an Onsite Coordinator for an unusual mortality event:

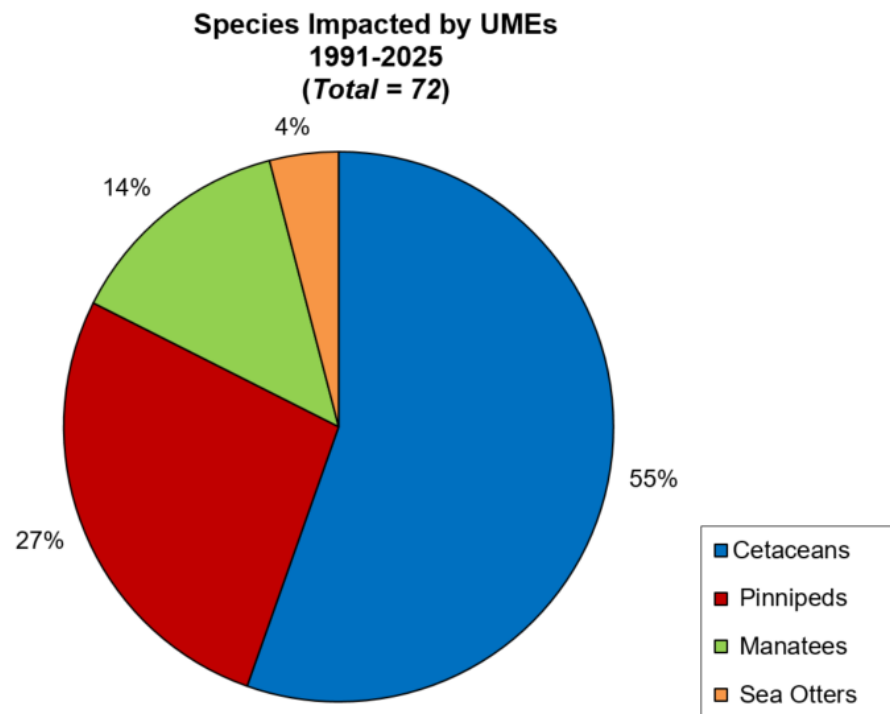
- for reimbursing any stranding network participant for costs incurred in preparing and transporting tissues collected with respect to an unusual mortality event for the Tissue Bank; and,
- for care and maintenance of marine mammals seized under section 1374(c)(2)(D) of this title.”

According to the MMPA, deposits can be made into Fund in the following ways:

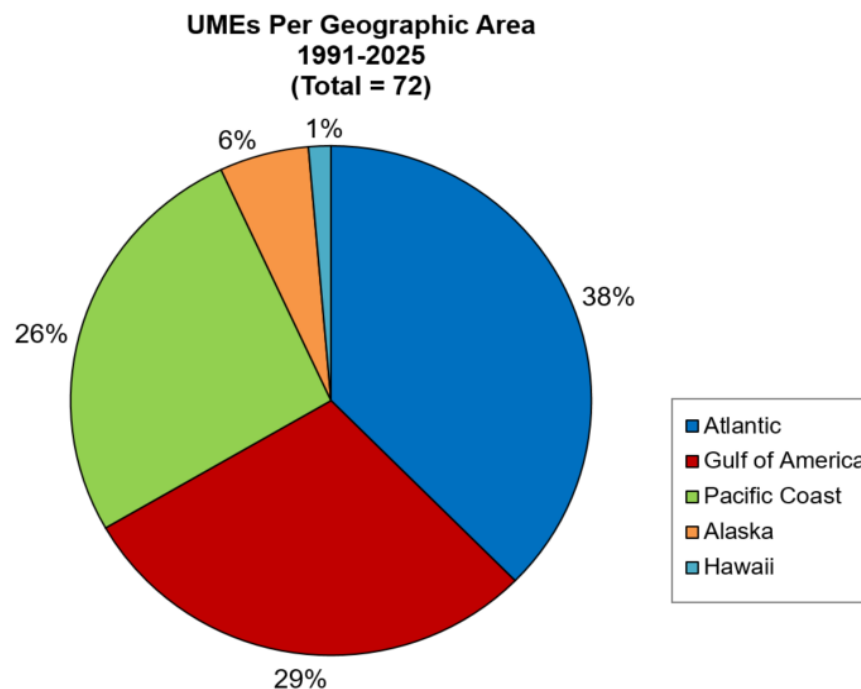
- “amounts appropriated to the Fund;
- other amounts appropriated to the Secretary for use with respect to unusual mortality events; and,
- amounts received by the United States in the form of gifts, devises, and bequests under subsection (d) of this section.”

**Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE**
(Dollar amounts in thousands)

NOAA will continue to utilize the UME Contingency Fund to support the Marine Mammal Stranding Network's eligible work as needed.



Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)



Explanation and Justification

Since UMEs are unpredictable emergency events caused by any number of circumstances (natural or human-caused), it is impossible to anticipate how many UMEs may occur in a given year or how much funding will be needed. During the past 34 years (1991– 2025), NOAA declared 72 UMEs, an average of ~2.1 UMEs per year. The highest number of UMEs declared in a year was five (in both 2006 and 2007). The costs associated with UMEs are highly variable and depend on the species involved, location, equipment, and laboratory needs. For example, a UME involving large whales offshore can cost well over several \$100,000s in expenses because of the considerable logistical challenges and needs (e.g., ship time or aerial support, number of personnel, safety equipment, etc.).

Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

To date, Congress has appropriated funding for UMEs on one occasion in 2005. Some of those funds were transferred to the National Fish and Wildlife Foundation (NFWF) since they have the ability to quickly distribute funds within 30 days of invoicing to our partners during a UME. There currently are sufficient funds held at NFWF to meet most of the expected expenses, however, as this is an emergency fund NMFS may need to obligate available funding from the Marine Mammal Unusual Mortality Event Fund in FY 2027. Additionally, the UME Contingency fund is listed on Pay.gov allowing the public to donate to the fund year round.

Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation	0	0	0	0	0
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-federal sources	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	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	Total Obligations	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Marine Mammal Unusual Mortality Event Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	(35)	(38)	(38)	(38)	0
Plus unobligated balance, EOY	38	38	38	38	0
Less collections	0	0	0	0	0
Unobligated balance, unapportioned	0	0	0	0	0
Total Budget Authority	3	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	0	0
Adjustments to Base	0	0	0	0
2027 Base	0	0	0	0
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	0

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Western Pacific Sustainable Fisheries Fund	Pos/BA	0	471	0	0	0
	FTE/OBL	0	514	0	0	0
Total: Western Pacific Sustainable Fisheries Fund	Pos/BA	0	471	0	0	0
	FTE/OBL	0	514	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	514	0	0	0	0	0	0	0	0
Total Obligations	0	514	0	0	0	0	0	0	0	0
Adjustments for:										
Recoveries	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(43)	0	0	0	0	0	0	0	0
Unobligated balance, unapportioned	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	471	0	0	0	0	0	0	0	0
Financing from Transfers and Other:										
Appropriation previously unavailable	0	0	0	0	0	0	0	0	0	0
Temporarily Reduced	0	29	0	0	0	0	0	0	0	0
Net Appropriation	0	500	0	0	0	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Western Pacific Sustainable Fisheries Fund

For FY 2027, NMFS estimates obligating \$0 in the Western Pacific Sustainable Fisheries Fund.

Goal Statement

The purpose of this fund is to allow foreign fishing within the U.S. Exclusive Economic Zone (EEZ) in the Western Pacific through a Pacific Insular Area Fishery Agreement.

Base Program

Section 204(e) of the 2006 amendments to the Magnuson-Stevens Fishery Conservation and Management Act (MSA) authorizes the establishment of the Western Pacific Sustainable Fisheries Fund. Before entering an Agreement, the Western Pacific Fishery Management Council must develop a Marine Conservation Plan that provides details on uses for any funds collected by the Secretary of Commerce. Marine Conservation Plans must also be developed by the Governors of the Territories of Guam and American Samoa and of the Commonwealth of the Northern Mariana Islands and approved by the Secretary or designee.

Statement of Operating Objectives

The conservation and management objectives for the Western Pacific Sustainable Fisheries Fund are listed in the four marine conservation plans:

- Hawaii and Pacific Insular Areas
- Guam
- American Samoa
- Commonwealth of the Northern Mariana Islands.

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

The Western Pacific Sustainable Fisheries Fund serves as a repository for any permit payments received by the Secretary for foreign fishing within the U.S. EEZ around Johnston Atoll, Kingman Reef, Palmyra Atoll, and Jarvis, Howland, Baker and Wake Islands, sometimes known as the Pacific remote island areas (PRIA). Funds are available to:

- The Western Pacific Council for the purpose of carrying out implementation of a marine conservation plan (see below for more info on marine conservation plans).
- The Secretary of State mutually agreed upon travel expenses for no more than two Federal representatives incurred as a direct result of negotiations and entering into a Pacific Insular Area fishery agreement. These fishery agreements authorize foreign fishing within the exclusive economic zone adjacent to a Pacific Insular Area other than American Samoa, Guam, or the Northern Mariana Islands, at the request of the Western Pacific Council.
- The Western Pacific Council to meet conservation and management objectives in the State of Hawaii if monies remain in the Western Pacific Sustainable Fisheries Fund after the funding requirements of Section 204(e) subparagraphs (A) and (B) of the 2006 amendments to the MSA have been satisfied.

In the case of violations by foreign vessels occurring in these areas, amounts received by the Secretary attributable to fines and penalties are deposited into the fund to be used for fisheries enforcement and for implementation of a marine conservation plan. Additionally, any funds or contributions received in support of conservation and management objectives under a Marine Conservation Plan for any Pacific Insular Area other than American Samoa, Guam, or the Northern Mariana Islands are deposited in the fund.

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.2	Other services from non-Federal sources	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	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	514	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	Total Obligations	514	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Western Pacific Sustainable Fisheries Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Recoveries	0	0	0	0	0
Less unobligated balance, SOY	(43)	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Unobligated balance, unapportioned	0	0	0	0	0
Total Budget Authority	471	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Enforcement Asset Forfeiture Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	2,533	3,558
Plus: Adjustments to Base	0	0	0	0
Less: Obligations from Prior Year Balances	0	0	14	0
2027 Base	0	0	2,547	3,558
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	2,547	3,558

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Fisheries Enforcement Asset Forfeiture Fund	Pos/BA	0 3,696	0 2,533	0 2,547	0 2,547	0 0
	FTE/OBL	0 2,030	0 3,558	0 3,558	0 3,558	0 0
Total: Fisheries Enforcement Asset Forfeiture Fund	Pos/BA	0 3,696	0 2,533	0 2,547	0 2,547	0 0
	FTE/OBL	0 2,030	0 3,558	0 3,558	0 3,558	0 0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Enforcement Asset Forfeiture Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	0	2,030	0	3,558	0	3,558	0	3,558	0	0
Total Obligations	0	2,030	0	3,558	0	3,558	0	3,558	0	0
Adjustments for:										
Recoveries	0	(944)	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	(4,654)	0	(7,264)	0	(6,239)	0	(6,239)	0	0
Unobligated balance, EOY	0	7,264	0	6,239	0	5,228	0	5,228	0	0
Total Budget Authority	0	3,696	0	2,533	0	2,547	0	2,547	0	0
Financing from Transfers and Other:										
Mandatory Appropriation										
Temporarily Reduced	0	131	0	145	0	145	0	145	0	0
Appropriations previously unavailable	0	0	0	(131)	0	(145)	0	(145)	0	0
Unobligated balance, Rescission	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	3,827	0	2,547	0	2,547	0	2,547	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Enforcement Asset Forfeiture Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Fisheries Enforcement Asset Forfeiture Fund

For FY 2027, NMFS estimates it will collect \$2,547 in fines, penalties, and forfeitures proceeds.

Goal Statement

To pay certain enforcement-related expenses from fines, penalties, and forfeiture proceeds received for violations of the Magnuson-Stevens Fishery Conservation and Management Act (MSA), Marine Mammal Protection Act (MMPA), National Marine Sanctuaries Act, or any other marine resource law enforced by the Secretary.

Base Program

Pursuant to Section 311(e)(1) of the MSA, NOAA has established a Civil Monetary Penalty/Asset Forfeiture Fund (AFF) where these proceeds are deposited.

Statement of Operating Objectives

The objective of the AFF is to provide a repository for fines, penalties and forfeiture proceeds, which are only used to fund the authorized costs listed below.

Explanation and Justification

The proceeds held in the AFF may be used to offset in part the costs of administering the Enforcement program. Expenses funded through this source include: costs directly related to the storage, maintenance, and care of seized fish, vessels, or other property during a civil or criminal proceeding; expenditures related directly to specific investigations and enforcement proceedings such as travel for interviewing witnesses; enforcement-unique information technology infrastructure; and annual interagency agreement and contract costs for the administrative adjudication process, including Administrative Law Judges.

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Enforcement Asset Forfeiture Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	143	143	143	143	0
22	Transportation of things	10	10	10	10	0
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental payments to others	0	105	105	105	0
23.3	Commun., util., misc. charges	0	4	4	4	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	22	584	584	584	0
25.2	Other services from non-Federal sources	1,634	1,634	1,634	1,634	0
25.3	Other goods and services from Federal sources	101	838	838	838	0
26	Supplies and materials	45	69	69	69	0
31	Equipment	25	171	171	171	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	Total Obligations	2,030	3,558	3,558	3,558	0

Department of Commerce
National Oceanic and Atmospheric Administration
Fisheries Enforcement Asset Forfeiture Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Less unobligated balance, SOY	(4,654)	(7,264)	(6,239)	(6,239)	0
Recoveries	(944)	0	0	0	0
Plus unobligated balance, EOY	7,264	6,239	5,228	5,228	0
Total Budget Authority	3,696	2,533	2,547	2,547	0

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Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	4,935	5,000
Plus: Adjustments to Base	0	0	65	0
Less: Obligations from prior year balances	0	0	0	0
2027 Base	0	0	5,000	5,000
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	5,000	5,000

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
North Pacific Observer Fund	Pos/BA	0	3,646	0	4,935	0	5,000	0	5,000	0	0
	FTE/OBL	0	2,261	0	5,000	0	5,000	0	5,000	0	0
Total: North Pacific Observer Fund	Pos/BA	0	3,646	0	4,935	0	5,000	0	5,000	0	0
	FTE/OBL	0	2,261	0	5,000	0	5,000	0	5,000	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	0	2,261	0	5,000	0	5,000	0	5,000	0	0
Total Obligations	0	2,261	0	5,000	0	5,000	0	5,000	0	0
Adjustments for:										
Recoveries	0	(555)	0	0	0	0	0	0	0	0
Unobligated balance, SOY	0	(298)	0	(2,238)	0	(2,173)	0	(2,173)	0	0
Unobligated balance, EOY	0	2,238	0	2,173	0	2,173	0	2,173	0	0
Total Budget Authority	0	3,646	0	4,935	0	5,000	0	5,000	0	0
Financing from Transfers and Other:										
Appropriation previously unavailable	0	0	0	(220)	0	(285)	0	(285)	0	0
Temporarily Reduced	0	220	0	285	0	285	0	285	0	0
Net Appropriation	0	3,866	0	5,000	0	5,000	0	5,000	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: North Pacific Observer Fund

For FY 2027, NMFS estimates obligating \$5,000 for the North Pacific Observer Fund.

Goal Statement

To fund observer coverage on the vessels and processors in the partial coverage category within the North Pacific Groundfish Observer Program (NPGOP).

Base Program

On January 1, 2013, the restructured NPGOP went into effect and made important changes to how observers are deployed, how observer coverage is funded, and the vessels and processors that must have some or all of their operations observed.

Statement of Operating Objectives

- Collect catch data onboard fishing vessels and onshore processing plants that is used for in-season management and scientific purposes such as stock assessments and ecosystem studies
- Ensure that the data collected by observers is of the highest quality possible by implementing rigorous quality control and quality assurance processes

Explanation and Justification

Coverage levels are no longer based on vessel length and processing volume; rather, NMFS now has the flexibility to decide when and where to deploy observers based on a scientifically defensible deployment plan. The new observer program places all vessels and processors in the groundfish and halibut fisheries off Alaska into one of two observer coverage categories: (1) full coverage category and (2) partial coverage. Vessels and processors in the full coverage category (≥ 100 percent observer coverage) will obtain observers by contracting directly with observer providers. Vessels and processors in the full observer coverage category are required to have at least one observer at all times. This will represent no change from the status quo for participants in the full coverage category. Vessels and processors in the partial coverage category (< 100 percent observer coverage) will no longer contract independently with an observer provider and will be required to carry an observer when they are selected through the Observer

Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Declare and Deploy System (ODDS). Additionally, landings from all vessels in the partial coverage category will be assessed a 1.25 percent fee on standard ex-vessel prices of the landed catch weight of groundfish and halibut. The fee percentage is set in regulation and will be reviewed periodically by the North Pacific Council after the second year of the program. The money generated by this fee will be used to pay for observer coverage on the vessels and processors in the partial coverage category in the following year. NMFS expects approximately \$5.0 million to be collected in fees from the FY 2027 season, to be used in FY 2028 for observer coverage.

Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., misc. charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	33	0	0	0	0
25.2	Other services from non-Federal sources	2,228	5,000	5,000	5,000	0
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	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	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	Total Obligations	2,261	5,000	5,000	5,000	0

Department of Commerce
National Oceanic and Atmospheric Administration
North Pacific Observer Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Recoveries	(555)	0	0	0	0
Less unobligated balance, SOY	(298)	(2,238)	(2,173)	(2,173)	0
Plus unobligated balance, EOY	2,238	2,173	2,173	2,173	0
Unobligated balance, rescission	0	0	0	0	0
Total Budget Authority	3,646	4,935	5,000	5,000	0

Department of Commerce
National Oceanic and Atmospheric Administration
Seafood Inspection Program Trust Revolving Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	128	114	0	20,637
Plus: Adjustments to Base	0	0	0	825
Less: Obligations from Prior Year Balances	0	0	0	0
2027 Base	128	114	0	21,462
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	128	114	0	21,462

		2025 Actual Personnel Amount		2026 Enacted Personnel Amount		2027 Base Personnel Amount		2027 Estimate Personnel Amount		Increase/ Decrease from 2027 Base Personnel Amount	
SIP Trust Revolving Fund	Pos/BA	117	0	128	0	128	0	128	0	0	0
	FTE/OBL	84	19,367	114	20,637	114	21,462	114	21,462	0	0
Total: SIP Trust Revolving Fund	Pos/BA	117	0	128	0	128	0	128	0	0	0
	FTE/OBL	84	19,367	114	20,637	114	21,462	114	21,462	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Seafood Inspection Program Trust Revolving Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Mandatory Obligation	84	19,367	114	20,637	114	21,462	114	21,462	0	0
Total Obligations	84	19,367	114	20,637	114	21,462	114	21,462	0	0
Offsetting collection from:										
Federal funds	0	0	0	0	0	0	0	0	0	0
Trust funds	0	(21,199)	0	(12,882)	0	(21,462)	0	(21,462)	0	0
Non-Federal sources	0	0	0	0	0	0	0	0	0	0
Adjustments for:										
Recoveries	0	(339)	0	0	0	0	0	0	0	0
Unobligated balance, SOY	0	(5,584)	0	(7,755)	0	0	0	0	0	0
Unobligated balance, EOY	0	7,755	0	0	0	0	0	0	0	0
Total Budget Authority	84	0	114	0	114	0	114	0	0	0
Financing from Transfers and Other:										
Appropriation previously unavailable	0	0	0	0	0	0	0	0	0	0
Temporarily Reduced	0	0	0	0	0	0	0	0	0	0
Net Appropriation	84	0	114	0	114	0	114	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Seafood Inspection Program Trust Revolving Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Seafood Inspection Program Trust Revolving Fund

For FY 2027, NMFS estimates obligating \$21,462 in receipts and fees assessed to users of the Seafood Inspection Program.

Goal Statement

To cover expenses related to the delivery of inspection, auditing, and certification services of the Seafood Inspection Program (SIP) from fees assessed to program participants.

Base Program

The SIP is a fee-for-service program within the National Marine Fisheries Service authorized under the Agricultural Marketing Act of 1946 (7 USC Section 1622(h)). It provides inspection and auditing services to domestic seafood processors and distributors in order to provide health and catch certification for export of fish and fishery products to foreign countries, ensure compliance with food safety regulations, evaluate product quality and grading, and evaluate facility and systems compliance. SIP provides services to companies that export seafood and supply military, school lunch, and other Federal programs as well as consumer markets.

Statement of Operating Objectives

The purpose of the trust revolving fund is to provide a repository to credit receipts and collections from fees assessed to users of the SIP which are used to cover the cost of services provided.

Explanation and Justification

NOAA is authorized to assess, collect, and retain fees under the program. Fees are set with the goal of full cost recovery and the receipts and collections credited to the trust revolving fund are used to offset the total cost of operating the program. Expenses funded through this source include salary and benefits, travel, operation and maintenance of core business applications, rent, utilities, supplies, transportation, shipping, equipment, contractual services, and administrative overhead.

Department of Commerce
National Oceanic and Atmospheric Administration
Seafood Inspection Program Trust Revolving Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	10,660	10,767	10,767	10,767	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	344	397	397	397	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	11,004	11,164	11,164	11,164	0
12.1	Civilian personnel benefits	4,187	4,187	4,187	4,187	0
13	Benefits for former personnel	31	0	0	0	0
21	Travel and transportation of persons	839	1,159	1,159	1,159	0
22	Transportation of things	100	145	145	145	0
23.1	Rental payments to GSA	0	382	455	455	0
23.2	Rental payments to others	370	370	370	370	0
23.3	Commun., util., misc. charges	114	120	120	120	0
24	Printing and reproduction	17	17	17	17	0
25.1	Advisory and assistance services	45	384	384	384	
25.2	Other services from non-Federal sources	2,063	2,066	2,817	2,817	0
25.3	Other goods and services from Federal sources	434	434	434	434	
26	Supplies and materials	161	177	177	177	0
31	Equipment	2	33	33	33	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	Total Obligations	19,367	20,637	21,462	21,462	0

Department of Commerce
National Oceanic and Atmospheric Administration
Seafood Inspection Program Trust Revolving Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Offsetting collection from:					
Recoveries	(339)	0	0	0	
Less unobligated balance, SOY	(5,584)	(7,755)	0	0	0
Plus unobligated balance, EOY	7,755	0	0	0	0
Less: Trust funds	(21,199)	(12,882)	(21,462)	(21,462)	0
Total Budget Authority	0	0	0	0	0

Personnel Data

Full-Time equivalent Employment:

Full-time permanent	84	114	114	114	0
Other than full time permanent	0	0	0	0	0
Total	84	114	114	114	0

Authorized Positions:

Full-time permanent	117	128	128	128	0
Other than full time permanent	0	0	0	0	0
Total	117	128	128	128	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Recreational Quota Entity Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
2026 Enacted	0	0	0	4,000
Plus: Adjustments to Base	0	0	0	0
Less: Obligations from Prior Year Balances	0	0	0	0
2027 Base	0	0	0	4,000
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	0	4,000

		2025 Actual Personnel Amount	2026 Enacted Personnel Amount	2027 Base Personnel Amount	2027 Estimate Personnel Amount	Increase/ Decrease from 2027 Base Personnel Amount
Recreational Quota Entity Fund	Pos/BA	0	0	0	0	0
	FTE/OBL	0	0	4,000	0	4,000
Total: Recreational Quota Entity Fund	Pos/BA	0	0	0	0	0
	FTE/OBL	0	0	4,000	0	4,000

Department of Commerce
National Oceanic and Atmospheric Administration
Recreational Quota Entity Fund
SUMMARY OF RESOURCE REQUIREMENTS
(Dollar amounts in thousands)

	2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount	FTE	Amount
Direct Discretionary Obligation	0	0	0	4,000	0	4,000	0	4,000	0	0
Total Obligations	0	0	0	4,000	0	4,000	0	4,000	0	0
Offsetting collections from:										
Federal funds	0	0	0	0	0	0	0	0	0	0
Trust funds	0	0	0	0	0	0	0	0	0	0
Non-Federal sources	0	0	0	(4,000)	0	(4,000)	0	(4,000)	0	0
Adjustments for:										
Recoveries	0	0	0	0	0	0	0	0	0	0
Unobligated balance, adj. SOY	0	0	0	0	0	0	0	0	0	0
Unobligated balance, EOY	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	0	0	0	0	0	0	0	0	0
Financing from Transfers and Other:										
Appropriations previously unavailable	0	0	0	0	0	0	0	0	0	0
Temporarily Reduced	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	0	0	0	0	0		0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Recreational Quota Entity Fund
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Recreational Quota Entity Fund

For FY 2027, NMFS estimates obligating \$4,000 in the Recreational Quota Entity (RQE) Fund.

Goal Statement

To provide for the collection of fees for the RQE to purchase halibut Individual Fishing Quota (IFQ) Program quota shares from persons in the commercial fishery.

Base Program

NMFS requires an electronic charter halibut stamp for sport fishermen on charter vessels for each fishing trip in a given calendar day, specifically for sport fishermen who intend to catch and retain halibut in International Pacific Halibut Commission Regulatory Areas 2C (Southeast Alaska) and 3A (Southcentral Alaska). The RQE (a non-profit entity that represents the charter halibut fisheries in Areas 2C and 3A) will use the funds from the stamps to purchase halibut IFQ Program quota shares from persons in the commercial fishery. The pounds of halibut from the RQE's purchases will be added to the pounds of halibut that is currently allocated to the charter fishery each year.

Statement of Operating Objectives

The intent of this program is to help provide more charter halibut fishing opportunities over time. Additional RQE poundage may help relax charter halibut management measures, such as bag limits, size limits, and day of the week closures.

Explanation and Justification

The Driftnet Modernization and Bycatch Reduction Act, P. L. 117-328, amended the Magnuson Stevens Act authorizing a fee collection system from charter vessel operators who guide recreational anglers fishing Pacific halibut in the IPHC regulatory areas 2C and 3A. The RQE will purchase, hold, and manage commercial halibut quota which can be applied to supplement the annual allocations of the guided recreational fleets in Southeast and Southcentral Alaska. Under the section 106 of the Act, any fees collected shall be available for financing administrative costs of the RQE Program; the purchase of halibut Quota Share (QS) in areas 2C and 3A by the RQE; halibut conservation and research; and promotion of the halibut resource by the RQE. Fees collected from purchase of charter halibut stamps will be placed in the RQE Fund.

Department of Commerce
National Oceanic and Atmospheric Administration
Recreational Quota Entity Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
11	Personnel compensation					
11.1	Full-time permanent	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation		0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12.1	Civilian personnel benefits	0	0	0	0	0
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., 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
26	Supplies and materials	0	0	0	0	0
31	Equipment	0	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	0	0	4,000	4,000	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
99	Total Obligations	0	0	4,000	4,000	0

Department of Commerce
National Oceanic and Atmospheric Administration
Recreational Quota Entity Fund
SUMMARY OF REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/ Decrease from 2027 Base
Offsetting collection from:					
Recoveries	0	0	0	0	
Less unobligated balance, SOY	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Less: Non-Federal sources	0	0	(4,000)	(4,000)	0
Total Budget Authority	0	0	0	0	0

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**Department of Commerce
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
Budget Estimates, Fiscal Year 2027**

Executive Summary

NOAA requests a total of \$0 and 0 FTE/ 0 positions for the Office of Oceanic and Atmospheric Research for FY 2027, a net decrease of \$473,388 and 736 FTE/ 664 positions in program changes.

With the goal to streamline program management, align research closer to operations, and focus on NOAA's public safety mission, NOAA is proposing to eliminate OAR as a NOAA Line Office and transfer several activities to NOS and NWS. The FY 2027 budget eliminates all funding for climate, weather, and ocean Laboratories and Cooperative Institutes. It also does not fund other low priority programs including Regional Climate Data and Information, Climate Competitive Research, the National Sea Grant College Program, or Sea Grant Aquaculture Research. Ocean Exploration and Research, Integrated Ocean Acidification, and Sustained Ocean Observations and Monitoring will be transitioned to NOS (see pages OAR-4, OAR-5, OAR-6, NOS-3, NOS-4, and NOS-5). High Performance Computing Initiatives and Research Supercomputing will be transitioned to NWS (see pages OAR-7, OAR-8, NWS-4, and NWS-5). These adjustments will allow these research programs to carry out science that is more directly related to the NOAA mission.

Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$4,141,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for OAR activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration.

Technical Adjustments

NOAA also requests the following transfers for a net change of \$0 and 0 FTE/ 0 positions to the agency:

From Office	Subactivity	To Office	Subactivity	Amount
OAR	Ocean Exploration and Research (ORF)	NOS	Ocean Exploration and Research (ORF)	\$47,256,000 and 33 FTE/ 38 Positions
OAR	Integrated Ocean Acidification (ORF)	NOS	Integrated Ocean Acidification (ORF)	\$17,093,000 and 12 FTE/ 14 Positions

**Department of Commerce
National Oceanic and Atmospheric Administration
Office of Oceanic and Atmospheric Research
Budget Estimates, Fiscal Year 2027**

OAR	Sustained Ocean Observations and Monitoring (ORF)	NOS	Sustained Ocean Observations and Monitoring (ORF)	\$52,759,000 and 27 FTE/ 32 Positions

NOAA requests to transfer \$47,256,000 and 33 FTE / 38 positions from the OAR Ocean Exploration and Research (ORF) Subactivity to the NOS Ocean Exploration and Research (ORF) Subactivity. NOAA requests to transfer \$17,093,000 and 12 FTE / 14 positions from the OAR Integrated Ocean Acidification (ORF) Subactivity to the NOS Integrated Ocean Acidification (ORF) Subactivity. NOAA requests to transfer \$52,759,000 and 27 FTE / 32 positions from the OAR Sustained Ocean Observations and Monitoring (ORF) Subactivity to the NOS Sustained Ocean Observations and Monitoring (ORF) Subactivity. These transfers allow the research transition activities conducted under these PPAs to be carried out in closer alignment with related NOAA mission sets to increase organizational efficiency.

From Office	Subactivity	To Office	Subactivity	Amount
OAR	High Performance Computing Initiatives (ORF)	NWS	Central Processing (ORF)	\$18,336,000 and 15 FTE/ 17 Positions

NOAA requests a transfer of \$18,336,000 and 15 FTE/17 positions from the OAR High Performance Computing Initiatives (ORF) Subactivity to the NWS Central Processing (ORF) Subactivity. This adjustment will transfer funding for research and development high performance computing initiatives and associated research activities from OAR to NWS, ensuring that the highest priority mission activities for NOAA can continue.

From Office	Subactivity	To Office	Subactivity	Amount
OAR	Research Supercomputing (PAC)	NWS	Research Supercomputing (PAC)	\$45,000,000 and 4 FTE/ 4 Positions

NOAA requests a transfer of \$45,000,000 and 4 FTE/4 positions from the OAR Research Supercomputing (PAC) Subactivity to the NWS Research Supercomputing (PAC) Subactivity. This adjustment will transfer funding for research and development high performance computing systems from OAR to NWS, ensuring that the highest priority mission activities for NOAA can continue.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Ocean Exploration and Research (ORF) transfer to NOS Ocean Exploration and Research (ORF)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	4,732	(4,758)	0
11.3 Other than full-time permanent	0	0	0
11.5 Other personnel compensation	138	(139)	0
11.7 NOAA Corps		0	0
11.9 Total personnel compensation	4,870	(4,897)	0
12 Civilian personnel benefits	1,728	(1,737)	0
13 Benefits for former personnel	0	0	0
21 Travel and transportation of persons	461	(464)	0
22 Transportation of things	35	(35)	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	345	(347)	0
23.2 Rental Payments to others	5	(5)	0
23.3 Communications, utilities and misc charges	0	0	0
24 Printing and reproduction	25	(25)	0
25.1 Advisory and assistance services	6,158	(6,191)	0
25.2 Other services from non-Federal sources	692	(696)	0
25.3 Other goods and services from Federal sources	9	(9)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	0	0	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	1,420	(1,428)	0
31 Equipment	61	(61)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	31,191	(31,361)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total obligations	\$47,000	(\$47,256)	0

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Integrated Ocean Acidification (ORF) transfer to NOS Integrated Ocean Acidification and Research (ORF)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	1,678	(1,686)	0
11.3 Other than full-time permanent	0	0	0
11.5 Other personnel compensation	27	(27)	0
11.7 NOAA Corps		0	0
11.9 Total personnel compensation	1,705	(1,713)	0
12 Civilian personnel benefits	534	(537)	0
13 Benefits for former personnel	0	0	0
21 Travel and transportation of persons	125	(126)	0
22 Transportation of things	48	(49)	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	88	(88)	0
23.2 Rental Payments to others	5	(5)	0
23.3 Communications, utilities and misc charges	57	(57)	0
24 Printing and reproduction	4	(4)	0
25.1 Advisory and assistance services	1,222	(1,229)	0
25.2 Other services from non-Federal sources	875	(879)	0
25.3 Other goods and services from Federal sources	1	(1)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	0	0	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	628	(632)	0
31 Equipment	381	(383)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	11,329	(11,392)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total obligations	17,000	(17,093)	0

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Sustained Ocean Observations and Monitoring (ORF) transfer to NOS Sustained Ocean Observations and Monitoring (ORF)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	3,597	(3,615)	0
11.3 Other than full-time permanent	49	(49)	0
11.5 Other personnel compensation	101	(101)	0
11.7 NOAA Corps		0	0
11.9 Total personnel compensation	3,747	(3,765)	0
12 Civilian personnel benefits	1,341	(1,348)	0
13 Benefits for former personnel	0	0	0
21 Travel and transportation of persons	227	(228)	0
22 Transportation of things	470	(472)	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	183	(184)	0
23.2 Rental Payments to others	2	(2)	0
23.3 Communications, utilities and misc charges	3,563	(3,580)	0
24 Printing and reproduction	9	(9)	0
25.1 Advisory and assistance services	2,275	(2,286)	0
25.2 Other services from non-Federal sources	873	(878)	0
25.3 Other goods and services from Federal sources	1,999	(2,009)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	0	0	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	2,688	(2,702)	0
31 Equipment	275	(277)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	34,847	(35,019)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total obligations	52,500	(52,759)	0

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Innovative Research, Technology, and Services

Subactivity: High Performance Computing Initiatives (ORF) transfer to NWS Central Processing (ORF)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	2,595	(2,673)	0
11.3 Other than full-time permanent	0	0	0
11.5 Other personnel compensation	34	(35)	0
11.7 NOAA Corps	0	0	0
11.9 Total personnel compensation	2,629	(2,708)	0
12 Civilian personnel benefits	898	(925)	0
13 Benefits for former personnel	0	0	0
21 Travel and transportation of persons	82	(94)	0
22 Transportation of things	0	0	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	1,340	(4,039)	0
23.2 Rental Payments to others	2	(2)	0
23.3 Communications, utilities and misc charges	1,525	(1,442)	0
24 Printing and reproduction	0	0	0
25.1 Advisory and assistance services	7,650	(5,400)	0
25.2 Other services from non-Federal sources	830	(837)	0
25.3 Other goods and services from Federal sources	55	(64)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	0	0	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	39	(50)	0
31 Equipment	6	(8)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	3,175	(2,767)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total obligations	18,231	(18,336)	0

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: PAC Systems Acquisition

Subactivity: Research Supercomputing (PAC) transfer to NWS Research Supercomputing (PAC)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	612	(612)	0
11.3 Other than full-time permanent	0	0	0
11.5 Other personnel compensation	0	0	0
11.7 NOAA Corps	0	0	0
11.9 Total personnel compensation	612	(612)	0
12 Civilian personnel benefits	188	(188)	0
13 Benefits for former personnel	0	0	0
21 Travel and transportation of persons	2	(2)	0
22 Transportation of things	0	0	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	467	(467)	0
23.2 Rental Payments to others	0	0	0
23.3 Communications, utilities and misc charges	487	(487)	0
24 Printing and reproduction	89	(89)	0
25.1 Advisory and assistance services	1,642	(1,642)	0
25.2 Other services from non-Federal sources	15,133	(15,133)	0
25.3 Other goods and services from Federal sources	22,908	(22,908)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	159	(159)	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	776	(776)	0
31 Equipment	1,380	(1,380)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	1,157	(1,157)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total obligations	45,000	(45,000)	0

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Oceanic and Atmospheric Research (OAR)											
	Pos/BA	178	171,548	298	224,150	298	225,638	0	0	(298)	(225,638)
Climate Research	FTE/OBL	287	183,846	254	224,150	254	225,638	0	0	(254)	(225,638)
Weather and Air Chemistry Research	Pos/BA	228	170,928	283	94,000	283	95,095	0	0	(283)	(95,095)
	FTE/OBL	253	175,102	277	94,000	277	95,095	0	0	(277)	(95,095)
Ocean, Coastal, and Great Lakes Research	Pos/BA	164	257,133	239	252,500	155	136,845	0	0	(155)	(136,845)
	FTE/OBL	207	261,891	205	252,500	133	136,845	0	0	(133)	(136,845)
Innovative Research and Technology	Pos/BA	15	33,109	17	18,231	0	0	0	0	0	0
	FTE/OBL	19	32,402	15	18,231	0	0	0	0	0	0
NOAA Special Projects	Pos/BA	0	0	0	15,810	0	15,810	0	0	0	(15,810)
	FTE/OBL	0	2,521	0	15,810	0	15,810	0	0	0	(15,810)
TOTAL OAR - ORF	Pos/BA	585	632,718	837	604,691	736	473,388	0	0	(736)	(473,388)
	FTE/OBL	766	655,762	751	604,691	664	473,388	0	0	(664)	(473,388)
TOTAL OAR - PAC	Pos/BA	3	49,022	4	45,000	0	0	0	0	0	0
	FTE/OBL	4	52,421	4	45,000	0	0	0	0	0	0
	Pos/BA	0	0	0	0	0	0	0	0	0	0
OAR Inflation Reduction Act (ORF)	FTE/OBL	17	17,693	0	0	0	0	0	0	0	0
	Pos/BA	0	0	0	0	0	0	0	0	0	0
OAR Inflation Reduction Act (PAC)	FTE/OBL	0	5,644	0	0	0	0	0	0	0	0
TOTAL OAR	Pos/BA	588	681,740	841	649,691	736	473,388	0	0	(736)	(473,388)
	FTE/OBL	787	731,520	755	649,691	664	473,388	0	0	(664)	(473,388)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA							
Community	Pos./BA	0	15,810	0	0	0	(15,810)
Project Funding /							
NOAA Special	FTE/OBL	0	15,810	0	0	0	(15,810)
Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$15,810 0 FTE/ 0 Positions) - This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Activity: Climate Research

Goal Statement

The mission of the Climate Research in OAR is to monitor and understand the Earth system to forecast and communicate to the public and decision-makers near-term, regional climate variations that are of societal and economic importance.

Base Program

NOAA's competitive research programs fund science, assessments, decision support research, modeling improvements, and transition of research and capacity-building activities in four complementary and important areas:

- Observations and monitoring
- Process understanding and analysis
- Modeling, predictions, and projections
- Societal interactions and communications

The following Subactivities support the Climate Research portfolio:

- Climate Laboratories and Cooperative Institutes: Primarily support Earth system science research, modeling, and technology development, and maintain long-term atmospheric observation networks and infrastructure, such as the network of tall towers and the Atmospheric Baseline Observatories that collect data on the atmosphere's composition.
- Regional Climate Data and Information: OAR supports activities that improve hazard preparedness throughout the Nation with research that advances our understanding of, and response measures to, extreme event risks across sectors and regions and with the development of capacity and tools to enable more informed decision making.
- Climate Competitive Research: OAR funds science through a competitive selection process to advance understanding of the Earth's system and impacts of variability and extreme events on society.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Climate							
Laboratories and	Pos./BA	211	104,964	0	0	(211)	(104,964)
Cooperative	FTE/OBL	180	104,964	0	0	(180)	(104,964)
Institutes							

Terminate Climate Laboratories and Cooperative Institutes (-\$104,964, -180 FTE/ -211 Positions) – NOAA will continue to support high priority research programs in other Line Offices.

In coordination with the requested terminations for Weather Laboratories and Cooperative Institutes (see OAR-27) and Ocean Laboratories and Cooperative Institutes (see OAR-35), NOAA will close the Atlantic Oceanographic & Meteorological Laboratory (AOML) in Miami, FL; the Air Resources Laboratory (ARL) in College Park, MD, Idaho Falls, ID, and Oak Ridge, TN, as well as a nation-wide network of soil moisture sensors; the Chemical Sciences Laboratory (CSL) in Boulder, CO; the Geophysical Fluid Dynamics Laboratory (GFDL) in Princeton, NJ; the Global Monitoring Laboratory (GML) in Boulder, CO, Utqiagvik, AK, Mauna Loa, HI, Hilo, HI, Big Island, HI, American Samoa, and the South Pole; the Pacific Marine Environmental Laboratory (PMEL) in Seattle, WA; and the Physical Sciences Laboratory (PSL) in Boulder, CO.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Climate Research

Subactivity: Climate Laboratories and Cooperative Institutes

Program Change: Terminate Climate Laboratories and Cooperative Institutes

Title	Grade	Number	Annual Salary	Total Salaries
Physical Scientist	ZP-IV	(23)	119,137	(2,740,151)
Management and Program Analyst	ZA-IV	(15)	121,785	(1,826,772)
Physical Scientist	ZP-IV	(11)	125,431	(1,379,740)
Physical Scientist	ZP-III	(10)	88,004	(880,043)
Physical Scientist	ZP-III	(6)	83,264	(499,586)
IT Specialist	ZP-IV	(6)	118,676	(712,056)
Physical Scientist	ZP-IV	(5)	121,785	(608,924)
Physical Scientist	ZP-V	(5)	164,957	(824,786)
Physical Scientist	ZP-IV	(4)	119,630	(478,522)
Physical Scientist	ZP-IV	(4)	115,712	(462,847)
Physicist	ZP-IV	(4)	118,676	(474,704)
Physical Scientist	ZP-V	(4)	174,347	(697,389)
Physical Scientist	ES-0	(3)	184,931	(554,793)
Budget Analyst	ZA-III	(3)	83,264	(249,793)
Management and Program Analyst	ZA-III	(3)	85,447	(256,341)
Management and Program Analyst	ZA-V	(3)	169,279	(507,837)
Physical Scientist	ZP-III	(3)	81,185	(243,554)
Chemist	ZP-IV	(3)	118,676	(356,028)
IT Specialist	ZP-IV	(3)	113,356	(340,069)
Administrative & Program Staff	ZA-III	(2)	83,264	(166,529)
Administrative & Program Staff	ZA-III	(2)	88,004	(176,009)
Administrative & Program Staff	ZA-IV	(2)	121,785	(243,570)
Budget Analyst	ZA-IV	(2)	121,785	(243,570)
Chemist	ZP-III	(2)	83,264	(166,529)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

IT Specialist	ZP-III	(2)	83,264	(166,529)
Physical Scientist	ZP-III	(2)	79,532	(159,065)
Computer Scientist	ZP-IV	(2)	125,431	(250,862)
Engineer	ZP-IV	(2)	119,630	(239,261)
Physical Scientist	ZP-IV	(2)	117,402	(234,805)
Chemist	ZP-V	(2)	164,957	(329,914)
Physical Scientist	ZP-V	(2)	169,279	(338,558)
Physical Scientist	ZP-V	(2)	163,188	(326,375)
Librarian	ZA-III	(1)	83,264	(83,264)
Financial Program Administrator	ES-0	(1)	184,931	(184,931)
Physicist	ES-0	(1)	184,931	(184,931)
Physicist	ST-0	(1)	151,662	(151,662)
Administrative & Program Staff	ZA-II	(1)	56,262	(56,262)
Administrative & Program Staff	ZA-II	(1)	56,715	(56,715)
Management and Program Analyst	ZA-II	(1)	56,262	(56,262)
Support Assistant	ZA-II	(1)	59,465	(59,465)
Support Specialist	ZA-II	(1)	56,715	(56,715)
Administrative & Program Staff	ZA-III	(1)	85,447	(85,447)
Administrative & Program Staff	ZA-III	(1)	85,447	(85,447)
Budget Analyst	ZA-III	(1)	88,004	(88,004)
Industry Specialist	ZA-III	(1)	83,935	(83,935)
Information Specialist	ZA-III	(1)	83,264	(83,264)
Information Specialist	ZA-III	(1)	85,447	(85,447)
Logistics Specialist	ZA-III	(1)	83,935	(83,935)
Management and Program Analyst	ZA-III	(1)	88,004	(88,004)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Safety and Occupational Health Manager	ZA-III	(1)	83,264	(83,264)
Support Specialist	ZA-III	(1)	85,447	(85,447)
Administrative Officer	ZA-IV	(1)	121,785	(121,785)
Administrative Officer	ZA-IV	(1)	113,356	(113,356)
Administrative Officer	ZA-IV	(1)	118,676	(118,676)
Budget Analyst	ZA-IV	(1)	125,431	(125,431)
Grants Management Specialist	ZA-IV	(1)	121,785	(121,785)
Industry Specialist	ZA-IV	(1)	119,630	(119,630)
Information Specialist	ZA-IV	(1)	125,431	(125,431)
Management and Program Analyst	ZA-IV	(1)	113,356	(113,356)
Management and Program Analyst	ZA-IV	(1)	121,785	(121,785)
Operations Specialist	ZA-IV	(1)	118,676	(118,676)
Program Manager	ZA-IV	(1)	121,785	(121,785)
Support Specialist	ZA-IV	(1)	117,402	(117,402)
Support Specialist	ZA-IV	(1)	118,676	(118,676)
Administrative & Program Staff	ZA-V	(1)	169,279	(169,279)
Information Specialist	ZA-V	(1)	169,279	(169,279)
Management and Program Analyst	ZA-V	(1)	174,347	(174,347)
Management and Program Analyst	ZA-V	(1)	164,957	(164,957)
Program Manager	ZA-V	(1)	169,279	(169,279)
Computer Scientist	ZP-II	(1)	59,465	(59,465)
IT Specialist	ZP-II	(1)	55,658	(55,658)
Computer Scientist	ZP-III	(1)	88,004	(88,004)
Electronics Engineer	ZP-III	(1)	83,264	(83,264)
Engineer	ZP-III	(1)	88,004	(88,004)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Hydrologist	ZP-III	(1)	83,264	(83,264)
Physical Scientist	ZP-III	(1)	83,935	(83,935)
Computer Scientist	ZP-IV	(1)	118,676	(118,676)
Electronics Engineer	ZP-IV	(1)	115,712	(115,712)
IT Specialist	ZP-IV	(1)	115,712	(115,712)
IT Specialist	ZP-IV	(1)	119,630	(119,630)
IT Specialist	ZP-IV	(1)	121,785	(121,785)
IT Specialist	ZP-IV	(1)	125,431	(125,431)
IT Specialist	ZP-IV	(1)	121,785	(121,785)
Physicist	ZP-IV	(1)	115,712	(115,712)
Computer Scientist	ZP-V	(1)	174,347	(174,347)
Electronics Engineer	ZP-V	(1)	160,836	(160,836)
Physical Scientist	ZP-V	(1)	157,563	(157,563)
Physical Scientist	ZP-V	(1)	160,836	(160,836)
Physical Scientist	ZP-V	(1)	166,283	(166,283)
Physical Scientist	ZP-V	(1)	169,279	(169,279)
Physicist	ZP-V	(1)	164,957	(164,957)
Assistant	ZS-IV	(1)	54,856	(54,856)
Assistant	ZS-V	(1)	67,100	(67,100)
Support Specialist	ZS-V	(1)	68,081	(68,081)
Computer Operator	ZT-II	(1)	48,006	(48,006)
Electronics Technician	ZT-IV	(1)	85,447	(85,447)
Electronics Technician	ZT-IV	(1)	81,185	(81,185)
Physical Scientist Technician	ZT-IV	(1)	82,372	(82,372)
Physical Scientist Technician	ZT-IV	(1)	119,630	(119,630)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Total	(211)	(24,539,646)
Less Adjustment	31	3,608,369
Total full-time permanent (FTE)	(180)	(20,931,277)
2027 Pay adjustment (0%)		0
		(20,931,277)
<u>Personnel Data Summary</u>		
Full-time Equivalent Employment (FTE)		
Full-time permanent	(180)	
Total FTE	(180)	
Authorized Positions		
Full-time permanent	(211)	

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Climate Research

Subactivity: Climate Laboratories and Cooperative Institutes

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	28,524	29,099	20,931	0	(20,931)
11.3 Other than full-time permanent	343	620	625	0	(625)
11.5 Other personnel compensation	646	971	979	0	(979)
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	29,513	30,690	22,535	0	(22,535)
12 Civilian personnel benefits	10,360	11,126	11,218	0	(11,218)
13 Benefits for former personnel	372	5	5	0	(5)
21 Travel and transportation of persons	573	1,237	1,247	0	(1,247)
22 Transportation of things	588	334	337	0	(337)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	276	826	833	0	(833)
23.2 Rental Payments to others	1,184	440	444	0	(444)
23.3 Communications, utilities and misc charges	999	927	934	0	(934)
24 Printing and reproduction	109	160	162	0	(162)
25.1 Advisory and assistance services	651	2,649	2,671	0	(2,671)
25.2 Other services from non-Federal sources	9,450	12,107	12,207	0	(12,207)
25.3 Other goods and services from Federal sources	1,550	1,661	1,675	0	(1,675)
25.4 Operation and maintenance of facilities	49	108	109	0	(109)
25.5 Research and development contracts	0	66	66	0	(66)
25.6 Medical care	0	0	0	0	0
25.7 Operation and maintenance of equipment	25	0	0	0	0
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	1,190	3,456	3,484	0	(3,484)
31 Equipment	861	3,410	3,438	0	(3,438)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	34,059	34,901	43,599	0	(43,599)
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 Total obligations	91,811	104,102	104,964	0	(104,964)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Regional Climate Data and Information	Pos./BA	28	49,170	0	0	(28)	(49,170)
	FTE/OBL	24	49,170	0	0	(24)	(49,170)

Terminate Regional Climate Data and Information (-\$49,170, -24 FTE/ -28 Positions) – NOAA will continue to support high priority research programs in other Line Offices.

With this termination, NOAA will no longer support the National Integrated Heat Health Information System, the Climate Smart Communities Initiative, or Regional Integrated Sciences and Assessments. NOAA will assess how to continue support for high priority activities currently supported within Regional Climate Data and Information.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Climate Research

Subactivity: Regional Climate Data and Information

Program Change: Terminate Regional Climate Data and Information

Title	Grade	Number	Annual Salary	Total Salaries
Physical Scientist	ES-0	(1)	183,100	(\$183,100)
Financial Program Administrator	ZA-III	(1)	84,601	(\$84,601)
Business and Industry Specialist	ZA-III	(1)	84,601	(\$84,601)
Grants Management Specialist	ZA-III	(1)	84,601	(\$84,601)
Management and Program Analyst	ZA-III	(1)	84,601	(\$84,601)
Administration and Program Staff	ZA-III	(1)	84,601	(\$84,601)
Administrative Officer	ZA-IV	(1)	120,579	(\$120,579)
Financial Program Administrator	ZA-IV	(1)	120,579	(\$120,579)
Grants Management Specialist	ZA-IV	(1)	120,579	(\$120,579)
Management and Program Analyst	ZA-IV	(1)	120,579	(\$120,579)
Information Specialist	ZA-V	(1)	167,603	(\$167,603)
Management and Program Analyst	ZA-V	(1)	167,603	(\$167,603)
Physical Scientist	ZP-III	(2)	84,601	(\$169,202)
Social Scientist	ZP-III	(3)	84,601	(\$253,803)
Economist	ZP-IV	(1)	120,579	(\$120,579)
Physical Scientist	ZP-IV	(3)	120,579	(\$361,737)
IT Specialist	ZP-IV	(1)	120,579	(\$120,579)
Social Scientist	ZP-IV	(4)	120,579	(\$482,316)
Physical Scientist	ZP-V	(1)	167,603	(\$167,603)
Social Scientist	ZP-V	(1)	167,603	(\$167,603)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Total	(28)	(3,267,049)
Less Adjustment	4	480,000
Total full-time permanent (FTE)	(24)	(2,787,049)
2027 Pay adjustment (0%)		0
		(2,787,049)
<u>Personnel Data Summary</u>		
Full-time Equivalent Employment (FTE)		
Full-time permanent	(24)	
Total FTE	(24)	
Authorized Positions		
Full-time permanent	(28)	
Total Positions	(28)	

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Climate Research

Subactivity: Regional Climate Data and Information

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	4,735	2,768	2,787	0	(2,787)
11.3 Other than full-time permanent	18	32	32	0	(32)
11.5 Other personnel compensation	80	2	2	0	(2)
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	4,833	2,802	2,821	0	(2,821)
12 Civilian personnel benefits	1,722	1,428	1,435	0	(1,435)
13 Benefits for former personnel	2	1	1	0	(1)
21 Travel and transportation of persons	20	279	280	0	(280)
22 Transportation of things	2	21	21	0	(21)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	0	0	0	0	0
23.2 Rental Payments to others	0	1	1	0	(1)
23.3 Communications, utilities and misc charges	17	4	4	0	(4)
24 Printing and reproduction	1	7	7	0	(7)
25.1 Advisory and assistance services	3,829	5,235	5,261	0	(5,261)
25.2 Other services from non-Federal sources	1,720	3,445	3,462	0	(3,462)
25.3 Other goods and services from Federal sources	1,897	868	873	0	(873)
25.4 Operation and maintenance of facilities	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 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	128	91	91	0	(91)
31 Equipment	3	63	64	0	(64)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	24,523	34,686	34,849	0	(34,849)
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 Total obligations	38,696	48,932	49,170	0	(49,170)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Climate	Pos./BA	59	71,504	0	0	(59)	(71,504)
Competitive Research	FTE/OBL	50	71,504	0	0	(50)	(71,504)

Terminate Climate Competitive Research (-\$71,504, -50 FTE/ -59 Positions) – NOAA will continue to support high priority research programs in other Line Offices. With this termination, NOAA will no longer support climate research grants.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Climate Research
Subactivity: Climate Competitive Research
Program Change: Terminate Climate Competitive Research

Title	Grade	Number	Annual Salary	Total Salaries
Physical Scientist	ES-0	(1)	183,100	(183,100)
Physical Scientist	ZP-III	(11)	84,601	(930,611)
Physical Scientist	ZP-IV	(13)	120,579	(1,567,527)
Physical Scientist	ZP-V	(5)	167,603	(838,015)
Management and Program Analyst	ZA-III	(3)	84,601	(253,803)
Management and Program Analyst	ZA-IV	(5)	120,579	(602,895)
Management and Program Analyst	ZA-V	(2)	167,603	(335,206)
IT Specialist	ZP-IV	(1)	120,579	(120,579)
Information Specialist	ZA-V	(1)	167,603	(167,603)
Grants Management Specialist	ZA-III	(3)	84,601	(253,803)
Grants Management Specialist	ZA-IV	(2)	120,579	(241,158)
Financial Program Administrator	ZA-III	(2)	84,601	(169,202)
Financial Program Administrator	ZA-IV	(3)	120,579	(361,737)
Administrative Officer	ZA-IV	(2)	120,579	(241,158)
Administration and Program Staff	ZA-III	(1)	84,601	(84,601)
Chemistry	ZP-V	(2)	197,200	(394,400)
Chemistry	ZP-IV	(2)	130,399	(260,798)
 Total		(59)		(7,006,196)
Less Adjustment		9		1,047,591
Total full-time permanent (FTE)		(50)		(5,958,605)
2027 Pay adjustment (0%)				0
				(5,958,605)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Personnel Data Summary

Full-time Equivalent Employment (FTE)

Full-time permanent

(50)

Total FTE

(50)

Authorized Positions

Full-time permanent

(59)

Total Positions

(59)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Activity: Climate Research

Subactivity: Climate Competitive Research

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	8,620	5,925	5,959	0	(5,959)
11.3 Other than full-time permanent	204	368	370	0	(370)
11.5 Other personnel compensation	315	44	44	0	(44)
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	9,138	6,337	6,373	0	(6,373)
12 Civilian personnel benefits	3,234	2,375	2,388	0	(2,388)
13 Benefits for former personnel	158	0	0	0	0
21 Travel and transportation of persons	347	675	679	0	(679)
22 Transportation of things	50	94	95	0	(95)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	71	852	856	0	(856)
23.2 Rental Payments to others	27	595	598	0	(598)
23.3 Communications, utilities and misc charges	1,049	1,087	1,093	0	(1,093)
24 Printing and reproduction	14	19	19	0	(19)
25.1 Advisory and assistance services	2,691	2,710	2,725	0	(2,725)
25.2 Other services from non-Federal sources	5,516	7,105	7,144	0	(7,144)
25.3 Other goods and services from Federal sources	1,100	328	330	0	(330)
25.4 Operation and maintenance of facilities	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 and maintenance of equipment	2	0	0	0	0
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	821	1,043	1,049	0	(1,049)
31 Equipment	458	449	452	0	(452)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	28,664	47,446	47,703	0	(47,703)
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 Total obligations	53,339	71,116	71,504	0	(71,504)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Activity: Weather and Air Chemistry Research

Goal Statement

Weather and Air Chemistry Research continually improves capabilities to provide more accurate and timely warnings and forecasts of various high-impact weather, water, and air quality events by prioritizing improvements in weather data observation, modeling, computing, forecasting, and warnings for the protection of life and property, and the enhancement of the national economy.

Base Program

OAR's weather research laboratories, programs, and partners advance the NWS prediction capabilities. NOAA also focuses resources on better understanding and providing information on seasonal (three months to two years) and subseasonal (two weeks to three months) outlooks for farmers, fishermen, emergency responders, other industry workers, and the American people regarding what to expect in two weeks, next month, or next season. In addition, scientists working within OAR's Weather and Air Chemistry Research study atmospheric chemistry to accurately characterize atmospheric composition and predict meteorological processes to more effectively understand their role in high-impact weather.

The following Subactivities support Weather and Air Chemistry Research:

- **Weather Laboratories and Cooperative Institutes:** OAR's laboratories and Cooperative Institutes primarily support weather forecasting improvement and air chemistry research, modeling, and technology development.

NOAA's weather research activities are authorized under the Weather Service Modernization Act (Title VII, 15 U.S.C. § 313 note, §§ 701-709), the National Oceanic and Atmospheric Administration Authorization Act (Title I, § 108, 15 U.S.C. § 313 note), the Weather Research and Forecasting Innovation Act (15 U.S.C. § 8501), and the National Integrated Drought Information System Reauthorization Act (P.L. 115-423; 15 U.S.C. § 8511-8521).

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Statement of Operating Objectives

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Weather							
Laboratories and	Pos./BA	283	95,095	0	0	(283)	(95,095)
Cooperative	FTE/OBL	277	95,095	0	0	(277)	(95,095)
Institutes							

Terminate Weather Laboratories and Cooperative Institutes (-\$95,095, -277 FTE/ -283 Positions) – NOAA will continue to support high priority weather research programs in NWS.

In coordination with the requested terminations for Climate Laboratories and Cooperative Institutes (see OAR-11) and Ocean Laboratories and Cooperative Institutes (see OAR-35), NOAA will close the Atlantic Oceanographic & Meteorological Laboratory (AOML) in Miami, FL; the Air Resources Laboratory (ARL) in College Park, MD, Idaho Falls, ID, and Oak Ridge, TN, as well as a nation-wide network of soil moisture sensors; the Chemical Sciences Laboratory (CSL) in Boulder, CO; the Geophysical Fluid Dynamics Laboratory (GFDL) in Princeton, NJ; the Global Monitoring Laboratory (GML) in Boulder, CO, Utqiagvik, AK, Mauna Loa, HI, Hilo, HI, Big Island, HI, American Samoa, and the South Pole; the Global Systems Laboratory (GSL) in Boulder, CO; the National Severe Storms Laboratory (NSSL) in Norman, OK; the Pacific Marine Environmental Laboratory (PMEL) in Seattle, WA; and the Physical Sciences Laboratory (PSL) in Boulder, CO.

NOAA will discontinue funding for activities previously supported by the Weather Laboratories and Cooperative Institutes Subactivity including the Verification of the Origins of Rotation in Tornadoes Experiment (VORTEX) and the Warn on Forecast (WoF) system. NOAA will evaluate options for supporting these specific activities within the NWS in the future.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Weather and Air Chemistry Research

Subactivity: Weather Laboratories and Cooperative Institutes

Program Change: Terminate Weather Laboratories and Cooperative Institutes

Title	Grade	Number	Annual Salary	Total Salaries
Physical Scientist	ZP-IV	(24)	118,676	(2,848,224)
Meteorologist	ZP-IV	(15)	115,712	(1,735,675)
Meteorologist	ZP-IV	(15)	118,676	(1,780,140)
Physical Scientist	ZP-IV	(13)	125,431	(1,630,602)
Meteorologist	ZP-IV	(10)	125,431	(1,254,309)
Management and Program Analyst	ZA-IV	(10)	121,785	(1,217,848)
Physical Scientist	ZP-III	(9)	83,264	(749,380)
Meteorologist	ZP-IV	(7)	113,356	(793,494)
IT Specialist	ZP-IV	(6)	118,676	(712,056)
Physical Scientist	ZP-V	(6)	164,957	(989,743)
Meteorologist	ZP-V	(6)	160,836	(965,019)
Physical Scientist	ZP-V	(5)	174,347	(871,736)
Physical Scientist	ZP-IV	(5)	113,356	(566,782)
Physical Scientist	ZP-IV	(5)	121,785	(608,924)
Physical Scientist	ZP-IV	(5)	115,712	(578,558)
Physicist	ZP-IV	(5)	118,676	(593,380)
Meteorologist	ST-0	(4)	151,662	(606,646)
Budget Analyst	ZA-III	(3)	83,264	(249,793)
Management and Program Analyst	ZA-III	(3)	85,447	(256,341)
Management and Program Analyst	ZA-V	(3)	169,279	(507,837)
Budget Analyst	ZA-IV	(3)	121,785	(365,354)
Administrative Officer	ZA-IV	(3)	118,676	(356,028)
Physical Scientist	ES-0	(3)	184,931	(554,793)
Physical Scientist	ZP-III	(3)	81,185	(243,554)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Chemist	ZP-IV	(3)	118,676	(356,028)
Administrative & Program Staff	ZA-III	(3)	88,004	(264,013)
Physical Scientist	ZP-III	(3)	79,532	(238,597)
Physical Scientist	ZP-IV	(3)	117,402	(352,207)
Chemist	ZP-V	(3)	164,957	(494,872)
Physical Scientist	ZP-V	(3)	169,279	(507,837)
Meteorologist	ES-0	(3)	184,931	(554,793)
Meteorologist	ZP-III	(3)	79,532	(238,597)
Meteorologist	ZP-III	(2)	88,004	(176,009)
Meteorologist	ZP-V	(2)	157,563	(315,126)
Meteorological Technician	ZT-IV	(2)	85,447	(170,894)
Physical Scientist	ZP-III	(2)	88,004	(176,009)
Administrative & Program Staff	ZA-III	(2)	83,264	(166,529)
Administrative & Program Staff	ZA-IV	(2)	121,785	(243,570)
Computer Scientist	ZP-IV	(2)	125,431	(250,862)
Physical Scientist	ZP-V	(2)	163,188	(326,375)
IT Specialist	ZP-IV	(2)	113,356	(226,713)
Physical Scientist	ZP-V	(2)	169,279	(338,558)
Physicist	ZP-V	(2)	164,957	(329,914)
Budget Analyst	ZA-III	(2)	81,185	(162,370)
Information Specialist	ZA-IV	(2)	118,676	(237,352)
IT Specialist	ZP-IV	(2)	117,402	(234,805)
Meteorologist	ZP-III	(1)	85,447	(85,447)
Meteorologist	ZP-III	(1)	83,264	(83,264)
Meteorologist	ZP-IV	(1)	121,785	(121,785)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Meteorologist	ZP-V	(1)	169,279	(169,279)
Administrative & Program Staff	ZA-II	(1)	56,262	(56,262)
IT Specialist	ZP-IV	(1)	121,785	(121,785)
Support Specialist	ZA-III	(1)	85,447	(85,447)
Program Manager	ZA-IV	(1)	121,785	(121,785)
IT Specialist	ZP-IV	(1)	115,712	(115,712)
IT Specialist	ZP-IV	(1)	119,630	(119,630)
Physical Scientist Technician	ZT-IV	(1)	119,630	(119,630)
Support Specialist	ZA-III	(1)	81,185	(81,185)
Support Assistant	ZS-IV	(1)	118,676	(118,676)
Chemist	ZP-III	(1)	83,264	(83,264)
Physicist	ST-0	(1)	151,662	(151,662)
Administrative & Program Staff	ZA-II	(1)	56,715	(56,715)
Management and Program Analyst	ZA-IV	(1)	113,356	(113,356)
Support Specialist	ZA-IV	(1)	118,676	(118,676)
Computer Scientist	ZP-II	(1)	59,465	(59,465)
Computer Scientist	ZP-III	(1)	88,004	(88,004)
Electronics Engineer	ZP-III	(1)	83,264	(83,264)
Computer Scientist	ZP-IV	(1)	118,676	(118,676)
Electronics Engineer	ZP-IV	(1)	115,712	(115,712)
Physical Scientist	ZP-V	(1)	157,563	(157,563)
Physical Scientist	ZP-V	(1)	160,836	(160,836)
Physical Scientist	ZP-V	(1)	166,283	(166,283)
Assistant	ZS-V	(1)	67,100	(67,100)
Computer Operator	ZT-II	(1)	48,004	(48,004)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Electronics Technician	ZT-IV	(1)	81,185	(81,185)
Physical Scientist Technician	ZT-IV	(1)	82,372	(82,372)
Physical Scientist	ST-0	(1)	151,662	(151,662)
Management and Program Analyst	ZA-II	(1)	57,736	(57,736)
Administrative & Program Staff	ZA-III	(1)	79,532	(79,532)
Information Specialist	ZA-III	(1)	81,185	(81,185)
Management and Program Analyst	ZA-III	(1)	83,935	(83,935)
Administrative Officer	ZA-IV	(1)	125,431	(125,431)
Management and Program Analyst	ZA-IV	(1)	118,676	(118,676)
Safety and Occupational Health Manager	ZA-IV	(1)	117,402	(117,402)
Administrative & Program Staff	ZA-V	(1)	162,852	(162,852)
Administrative Officer	ZA-V	(1)	166,283	(166,283)
Budget Analyst	ZA-V	(1)	169,279	(169,279)
Financial Program Administrator	ZA-V	(1)	169,279	(169,279)
Program Manager	ZA-V	(1)	164,957	(164,957)
Physical Scientist	ZP-II	(1)	56,262	(56,262)
Engineer	ZP-III	(1)	83,264	(83,264)
IT Specialist	ZP-III	(1)	82,372	(82,372)
IT Specialist	ZP-III	(1)	83,935	(83,935)
Physical Scientist	ZP-III	(1)	85,447	(85,447)
Computer Engineer	ZP-IV	(1)	113,356	(113,356)
Computer Engineer	ZP-IV	(1)	118,676	(118,676)
Hydrologist	ZP-IV	(1)	115,712	(115,712)
Mathematician	ZP-IV	(1)	125,431	(125,431)
Mathematical Statistician	ZP-IV	(1)	118,676	(118,676)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Social Science Specialist	ZP-IV	(1)	118,676	(118,676)
Chemist	ZP-V	(1)	166,283	(166,283)
Computer Scientist	ZP-V	(1)	164,957	(164,957)
Engineer	ZP-V	(1)	174,347	(174,347)
IT Specialist	ZP-V	(1)	169,279	(169,279)
Engineering Technician	ZT-III	(1)	69,373	(69,373)
Electronics Technician	ZT-IV	(1)	83,264	(83,264)
Total		(283)		(34,127,793)
Less Adjustment		6		698,394
Total full-time permanent (FTE)		(277)		(33,429,399)
2027 Pay adjustment (0%)				0
				(33,429,399)
<u>Personnel Data Summary</u>				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(277)		
Total FTE		(277)		
Authorized Positions				
Full-time permanent		(283)		
Total Positions		(283)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Weather and Air Chemistry Research

Subactivity: Laboratories and Cooperative Institutes

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	30,865	32,994	33429	0	(33,429)
11.3 Other than full-time permanent	370	821	831	0	(831)
11.5 Other personnel compensation	1,503	0	0	0	0
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	32,739	33,816	34260	0	(34,260)
12 Civilian personnel benefits	11,417	13,489	13645	0	(13,646)
13 Benefits for former personnel	497	0	0	0	0
21 Travel and transportation of persons	493	1,543	1560	0	(1,561)
22 Transportation of things	33	154	155	0	(155)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	2,750	4,198	4247	0	(4,247)
23.2 Rental Payments to others	2,785	3,901	3946	0	(3,947)
23.3 Communications, utilities and misc charges	1,077	505	510	0	(510)
24 Printing and reproduction	121	183	184	0	(185)
25.1 Advisory and assistance services	697	461	466	0	(467)
25.2 Other services from non-Federal sources	10,082	5,625	5690	0	(5,690)
25.3 Other goods and services from Federal sources	432	662	670	0	(670)
25.4 Operation and maintenance of facilities	36	0	0	0	0
25.5 Research and development contracts	91	151	153	0	(153)
25.6 Medical care	0	0	0	0	0
25.7 Operation and maintenance of equipment	0	3	3	0	(3)
25.8 Subsistence and support of persons	0	0	0	0	0
26 Supplies and materials	737	934	945	0	(945)
31 Equipment	632	1,322	1337	0	(1,337)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	31,086	27,055	27318	0	(27,319)
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 Total obligations	95,705	94,000	95095	0	(95,095)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Goal Statement

Conduct applied research to enable safer communities and marine transportation, support fisheries and aquaculture, and assess the resources of the deep sea, through observations, modeling, mapping, and exploration.

Base Program

The following Subactivities support the Ocean, Coastal, and Great Lakes Research portfolio:

- Ocean Laboratories and Cooperative Institutes: Primarily supports foundational ocean observation networks and research, modeling, and technology development at OAR's laboratories and cooperative institutes. The Budget does not provide funding for this program.
- National Sea Grant College Program: The National Sea Grant College Program is a Federal-state partnership that works with institutions on science based practices in coastal communities. The Budget does not provide funding for this program.
- Sea Grant Aquaculture Research: Funds research, extension, and competitive grants targeting challenges to marine aquaculture. The Budget does not provide funding for this program.
- National Oceanographic Partnership Program (NOPP): This OAR funding line was established in FY 2019 to advance ocean science research through the program established under 10 U.S.C. 7901 and to continue support for Ocean Joint Technology Transfer Initiative projects funded in FY 2018. The Budget does not provide funding for this program.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Ocean							
Laboratories and	Pos./BA	130	40,447	0	0	(130)	(40,447)
Cooperative	FTE/OBL	111	40,447	0	0	(111)	(40,447)
Institutes							

Terminate Ocean Laboratories and Cooperative Institutes (-\$40,447, -111 FTE/ -130 Positions) – NOAA will continue to support high priority ocean research programs in NOS.

In coordination with the requested terminations for Climate Laboratories and Cooperative Institutes (see OAR-11) and Weather Laboratories and Cooperative Institutes (see OAR-27), NOAA will close the Atlantic Oceanographic & Meteorological Laboratory (AOML) in Miami, FL; the Great Lakes Environmental Research Laboratory (GLERL) in Ann Arbor, MI, and Muskegon, MI; and the Pacific Marine Environmental Laboratory (PMEL) in Seattle, WA.

NOAA will discontinue activities previously supported by the Ocean Laboratories and Cooperative Institutes including data collection and analysis from ocean observation systems; Great Lakes surveys, mapping, and forecasting of harmful algal blooms; 'omics research; and technology development partnerships.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Ocean Laboratories and Cooperative Institutes

Program Change: Terminate Ocean Laboratories and Cooperative Institutes

Title	Grade	Number	Annual Salary	Total Salaries
Management and Program Analyst	ZA-IV	(10)	121,785	(1,217,848)
Oceanographer	ZP-IV	(9)	125,716	(1,131,444)
Oceanographer	ZP-V	(9)	166,283	(1,496,550)
Librarian	ZA-IV	(8)	121,785	(974,278)
Oceanographer	ZP-IV	(5)	119,630	(598,152)
Oceanographer	ZP-IV	(4)	125,431	(501,724)
Oceanographer	ZP-V	(4)	174,347	(697,389)
Oceanographer	ST-0	(3)	227,957	(683,871)
Ecologist	ZP-III	(3)	82,372	(247,115)
Administrative & Program Staff	ZA-II	(3)	56,262	(168,786)
IT Specialist	ZP-IV	(3)	121,785	(365,354)
Oceanographer	ZP-III	(2)	79,532	(159,065)
Ecologist	ZP-IV	(3)	117,402	(352,207)
Fish Biologist	ZP-IV	(2)	117,402	(234,805)
Physical Scientist	ZP-III	(3)	88,004	(264,013)
Budget Analyst	ZA-III	(2)	83,264	(166,529)
Administrative & Program Staff	ZA-III	(2)	83,264	(166,529)
Administrative & Program Staff	ZA-IV	(2)	121,785	(243,570)
Computer Scientist	ZP-IV	(2)	125,431	(250,862)
IT Specialist	ZP-III	(2)	79,532	(159,065)
Physical Scientist	ZP-III	(2)	82,372	(164,743)
Oceanographer	ES-0	(1)	184,931	(184,931)
Librarian	ZA-III	(1)	85,447	(85,447)
Librarian	ZA-V	(1)	169,279	(169,279)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Ecologist	ZP-II	(1)	55,658	(55,658)
Biological Scientist	ZP-III	(1)	82,372	(82,372)
Oceanographer	ZP-III	(1)	88,004	(88,004)
Oceanographer	ZP-III	(1)	83,935	(83,935)
Biological Scientist	ZP-IV	(1)	119,630	(119,630)
Microbiologist	ZP-IV	(2)	113,356	(226,713)
Ecologist	ZP-V	(1)	157,563	(157,563)
Physical Scientist	ZP-IV	(1)	119,630	(119,630)
Physical Scientist	ZP-V	(1)	174,347	(174,347)
Management and Program Analyst	ZA-III	(1)	85,447	(85,447)
Management and Program Analyst	ZA-V	(1)	169,279	(169,279)
Budget Analyst	ZA-IV	(1)	121,785	(121,785)
Physical Scientist	ZP-V	(1)	163,188	(163,188)
Support Specialist	ZA-III	(1)	85,447	(85,447)
Administrative Officer	ZA-IV	(1)	118,676	(118,676)
Program Manager	ZA-IV	(1)	121,785	(121,785)
Management and Program Analyst	ZA-V	(1)	164,957	(164,957)
IT Specialist	ZP-IV	(1)	115,712	(115,712)
IT Specialist	ZP-IV	(1)	119,630	(119,630)
IT Specialist	ZP-IV	(1)	121,785	(121,785)
Physical Scientist Technician	ZT-IV	(1)	119,630	(119,630)
Management and Program Analyst	ZA-II	(1)	55,658	(55,658)
Support Specialist	ZA-II	(1)	56,262	(56,262)
Information Specialist	ZA-III	(1)	88,004	(88,004)
Management and Program Analyst	ZA-III	(1)	82,372	(82,372)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Support Specialist	ZA-III	(1)	81,185	(81,185)
Administrative & Program Staff	ZA-IV	(1)	117,402	(117,402)
Administrative Officer	ZA-IV	(1)	115,712	(115,712)
Administrative Officer	ZA-IV	(1)	117,402	(117,402)
Auditor	ZA-IV	(1)	121,785	(121,785)
Budget Analyst	ZA-IV	(1)	121,785	(121,785)
Financial Program Administrator	ZA-IV	(1)	121,785	(121,785)
Management and Program Analyst	ZA-IV	(1)	125,431	(125,431)
Public Affairs Specialist	ZA-IV	(1)	121,785	(121,785)
Engineer	ZP-III	(1)	82,372	(82,372)
Data Scientist	ZP-IV	(1)	118,676	(118,676)
Electronics Engineer	ZP-IV	(1)	118,676	(118,676)
Engineer	ZP-IV	(1)	117,402	(117,402)
Physical Scientist	ZP-IV	(1)	113,356	(113,356)
Support Assistant	ZS-IV	(1)	118,676	(118,676)
Computer Operator	ZT-III	(1)	72,739	(72,739)
Electronics Technician	ZT-IV	(1)	83,935	(83,935)
Physical Scientist Technician	ZT-IV	(1)	83,264	(83,264)
Total		(130)		(15,534,393)
Less Adjustment		19		2,211,581
Total full-time permanent (FTE)		(111)		(13,322,812)
2027 Pay adjustment (0%)				0
				(13,322,812)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Personnel Data Summary

Full-time Equivalent Employment (FTE)

Full-time permanent	<u>(111)</u>

Total FTE	<u>(111)</u>

Authorized Positions

Full-time permanent	<u>(130)</u>

Total Positions	<u>(130)</u>

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Ocean Laboratories and Cooperative Institutes

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	12,529	13,164	13,323	0	(13,323)
11.3 Other than full-time permanent	34	155	157	0	(157)
11.5 Other personnel compensation	311	365	370	0	(370)
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	12,874	13,685	13,850	0	(13,850)
12 Civilian personnel benefits	4,369	5,229	5,288	0	(5,288)
13 Benefits for former personnel	282	20	20	0	(20)
21 Travel and transportation of persons	324	876	886	0	(886)
22 Transportation of things	177	304	307	0	(307)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	556	456	461	0	(461)
23.2 Rental Payments to others	276	231	234	0	(234)
23.3 Communications, utilities and misc charges	44	462	467	0	(467)
24 Printing and reproduction	52	12	12	0	(12)
25.1 Advisory and assistance services	79	910	920	0	(920)
25.2 Other services from non-Federal sources	2,301	4,837	4,891	0	(4,891)
25.3 Other goods and services from Federal sources	265	574	580	0	(580)
25.4 Operation and maintenance of facilities	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 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	673	4,198	4,244	0	(4,244)
31 Equipment	660	631	638	0	(638)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	13,965	7,576	7,649	0	(7,649)
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 Total obligations	36,897	40,000	40,447	0	(40,447)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Sea Grant College Program	Pos./BA	20	80,328	0	0	(20)	(80,328)
	FTE/OBL	17	80,328	0	0	(17)	(80,328)

Terminate National Sea Grant College Program (-\$80,328, -17 FTE/ -20 Positions) - NOAA requests the termination of the National Sea Grant College Program.

NOAA will eliminate funding for the 34 Sea Grant programs located in coastal States and territories. Individual Sea Grant programs receive funds from their respective states and other sources as part of the required matching of Federal funds under the Sea Grant Program; as such, the full extent of the impact of this termination of NOAA funds will vary by state.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: National Sea Grant Program

Program Change: Terminate National Sea Grant College Program

Title	Grade	Number	Annual Salary	Total Salaries
Program Analyst	ZA-II	(5)	78,245	(391,225)
Environmental Protection Specialist	ZA-III	(1)	86,601	(86,601)
General Arts and Information Specialist	ZA-III	(1)	86,601	(86,601)
Management and Program Analyst	ZA-III	(2)	86,601	(173,202)
Management and Program Analyst	ZA-IV	(5)	150,316	(751,580)
Management and Program Analyst	ZA-V	(2)	168,603	(337,206)
Biological Scientist and Natural Resources Manager	ZP-II	(1)	77,245	(77,245)
Biological Scientist and Natural Resources Manager	ZP-III	(1)	122,333	(122,333)
Secretary	ZS-IV	(1)	70,338	(70,338)
Director	ES-0	(1)	215,000	(215,000)
Total		(20)		(2,311,331)
Less Adjustment		3		470,204
Total full-time permanent (FTE)		(17)		(1,841,127)
2027 Pay adjustment (0%)				0
				(1,841,127)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(17)		
Total FTE		(17)		
Authorized Positions				
Full-time permanent		(20)		
Total Positions		(20)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: National Sea Grant College Program

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	2,438	1,832	1,841	0	(1,841)
11.3 Other than full-time permanent	71	61	61	0	(61)
11.5 Other personnel compensation	48	35	35	0	(35)
11.7 NOAA Corps	0	0	0	0	0
11.9 Total personnel compensation	2,557	1,928	1,937	0	(1,937)
12 Civilian personnel benefits	719	821	824	0	(824)
13 Benefits for former personnel	27	2	2	0	(2)
21 Travel and transportation of persons	179	212	213	0	(213)
22 Transportation of things	1	2	2	0	(2)
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	38	242	243	0	(243)
23.2 Rental Payments to others	0	0	0	0	0
23.3 Communications, utilities and misc charges	0	1	1	0	(1)
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	8	24	24	0	(24)
25.2 Other services from non-Federal sources	473	682	684	0	(684)
25.3 Other goods and services from Federal sources	59	29	29	0	(29)
25.4 Operation and maintenance of facilities	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 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	9	15	15	0	(15)
31 Equipment	2	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	79,919	76,044	76,354	0	(76,354)
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 Total obligations	83,991	80,000	80,328	0	(80,328)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
Sea Grant	Pos./BA	4	14,060	0	0	(4)	(14,060)
Aquaculture							
Research	FTE/OBL	4	14,060	0	0	(4)	(14,060)

Terminate Sea Grant Aquaculture Research (-\$14,060, -4 FTE/ -4 Positions) - NOAA's National Marine Fisheries Service will continue to support and advance aquaculture and will prioritize actions to make aquaculture permitting more efficient.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Ocean, Coastal, and Great Lakes Research
 Subactivity: Sea Grant Aquaculture Research
 Program Change: Terminate Sea Grant Aquaculture Research

<u>Title</u>	<u>Grade</u>	<u>Number</u>	<u>Annual Salary</u>	<u>Total Salaries</u>
Management and Program Analyst	ZA-IV	(2)	112,015	(224,030)
Supervisory Management and Program Analyst	ZA-V	(1)	155,700	(155,700)
Communications Specialist	ZA-III	(1)	78,592	(78,592)
Total		(4)		(458,322)
Less Adjustment		0		
Total full-time permanent (FTE)		(4)		(458,322)
2027 Pay adjustment (0%)				0
				(458,322)
<u>Personnel Data Summary</u>				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(4)		
Total FTE		(4)		
Authorized Positions				
Full-time permanent		(4)		
Total Positions		(4)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: Sea Grant Aquaculture Research

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	584	456	458	0	(458)
11.3 Other than full-time permanent	0	0	0	0	0
11.5 Other personnel compensation	1	0	0	0	0
11.7 NOAA Corps					
11.9 Total personnel compensation	584	456	458	0	(458)
12 Civilian personnel benefits	219	0	1	0	(1)
13 Benefits for former personnel	0	0	0	0	0
21 Travel and transportation of persons	2	0	0	0	0
22 Transportation of things	0	0	0	0	0
23 Rent, communications, and utilities	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 Communications, utilities and misc charges	0	0	0	0	0
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	1	0	0	0	0
25.2 Other services from non-Federal sources	47	0	0	0	0
25.3 Other goods and services from Federal sources	0	0	0	0	0
25.4 Operation and maintenance of facilities	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 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	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	13,738	13,544	13,600	0	(13,600)
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 Total obligations	14,592	14,000	14,060	0	(14,060)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>	<u>Personnel</u>	<u>Amount</u>
National							
Oceanographic	Pos./BA	1	2,010	0	0	(1)	(2,010)
Partnership	FTE/OBL	1	2,010	0	0	(1)	(2,010)
Program							

Terminate National Oceanographic Partnership Program (-\$2,010, -1 FTE/ -1 Position) - This request terminates funding for the National Oceanic Partnership Program. NOAA will continue to support high priority ocean research through NOS. NOAA will eliminate activities that supported ocean science research through the National Oceanic Partnership Program established under 10 U.S.C. 7901.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Ocean, Coastal, and Great Lakes Research

Subactivity: National Oceanographic Partnership Program

Program Change: Terminate National Oceanographic Partnership Program

<u>Title</u>	<u>Grade</u>	<u>Number</u>	<u>Annual Salary</u>	<u>Total Salaries</u>
General Physical Scientist	ST	(1)	211,000	(211,000)
Total		(1)		(211,000)
Less Adjustment		0		
Total full-time permanent (FTE)		(1)		(211,000)
2027 Pay adjustment (0%)				0
				(211,000)
<u>Personnel Data Summary</u>				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(1)		
Total FTE		(1)		
Authorized Positions				
Full-time permanent		(1)		
Total Positions		(1)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Ocean, Coastal, and Great Lakes Research
Subactivity: National Oceanographic Partnership Program

Object Class	2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	1,011	210	211	0	(211)
11.3 Other than full-time permanent	0	0	0	0	0
11.5 Other personnel compensation	29	2	2	0	(2)
11.7 NOAA Corps	0				
11.9 Total personnel compensation	1,040	212	213	0	(213)
12 Civilian personnel benefits	360	72	73	0	(73)
13 Benefits for former personnel	9	0	0	0	0
21 Travel and transportation of persons	27	87	87	0	(87)
22 Transportation of things	2	0	0	0	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	0	0	0	0	0
23.2 Rental Payments to others	1	0	0	0	0
23.3 Communications, utilities and misc charges	1	0	0	0	0
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	4	571	574	0	(574)
25.2 Other services from non-Federal sources	239	250	251	0	(251)
25.3 Other goods and services from Federal sources	22	0	0	0	0
25.4 Operation and maintenance of facilities	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 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	5	0	0	0	0
31 Equipment	9	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	54	807	812	0	(812)
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 Total obligations	1,772	2,000	2,010	0	(2,010)

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**Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Budget Estimates, Fiscal Year 2027**

Executive Summary

NOAA requests a total of \$1,504,348,000 and 4,376 FTE/ 4,499 positions for the National Weather Service (NWS) for FY 2027, including a net increase of \$39,800,000 and an increase of 23 FTE/ 26 positions in program changes and adjustments to base.

The nation relies on NWS as a trusted, definitive source of accurate and actionable forecasts and warnings in support of public safety, national security, enhancement of the national economy and positive contributions to Gross Domestic Product. To provide the best possible service to the nation, NWS is transforming to a more nimble, flexible, and mobile world class organization which provides tailored, probabilistic impact-based decision support services (IDSS) at the state, local, and town levels that protect the American public from weather events and hazards. This transformation is critical as the impact of weather and environmental events increases and demand for IDSS from the emergency management community grows. In 2025 alone, the NWS provided an unprecedented 23,434 severe thunderstorm warnings, 3,014 tornado warnings, 1,262 heat watches, warnings and advisories, 5,230 flash flood warnings, and 35,510 fire spot forecasts.

The NWS is streamlining and restructuring its entire organization, including headquarters, regional offices, and national centers, to focus on mission critical functions and leverage technology to increase productivity and better serve the American public. In response to increasing need for emergency management partner support and to accelerate transformation efforts, NWS is taking a three-pronged approach across three critical pillars:

- Systems - Modernizing NWS infrastructure by embracing technological advancements such as cloud computing, and leveraging the growing commercial weather enterprise to improve performance, security, and efficiency, while also enabling agility to adapt to future needs.
- Operations - Reengineering NWS forecast operations, accelerating numerical weather prediction with advanced data assimilation and artificial intelligence, and continuing to embed NWS' forecasters in state and urban Emergency Operation Centers, to meet the demands of a changing nation.
- Mission Support - Aligning critical mission support workflows and operations within the agency to enable NWS front-line mission fulfillment while working to achieve maximum efficiency, reduce duplicative efforts, increase productivity, and deliver optimum results.

Resilient and reliable infrastructure is the foundation of NWS' transformation efforts. In FY 2027 additional investments will build upon efforts in FY 2025 and 2026 to support meaningful progress towards these goals. Advanced Weather Interactive Processing System (AWIPS) is an interactive computer system that integrates all meteorological and hydrological data with satellite and radar imagery and is the cornerstone of NWS' forecast and warning issuance, essential to the demands of the NWS' 24/7 operations.

**Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Budget Estimates, Fiscal Year 2027**

Implementation of AWIPS to a cloud framework will give forecasters efficient, secure remote access to the system, to provide on-site IDSS wherever and whenever severe weather threatens. The Radar Next Program will design and deploy the next generation of weather surveillance radar technology, which will ensure continuity of operations, expand coverage, and improve performance, enabling forecasters to improve the lead times and the accuracy of warnings for high-impact weather events. Additionally, NWS will accelerate transition of research innovations to operations by ensuring alignment of its weather research portfolio and most pressing operational science needs. NWS will couple applied research and emerging technologies with the NWS operations model that will drive greater economic benefits, strengthen national security, and deepen NWS partnerships with the commercial weather enterprise into the future.

Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$13,627,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for NWS activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration.

Technical Adjustments

NOAA also requests the following transfers for a net change of \$0 and 0 FTE/ 0 positions to the agency:

From Office	Subactivity	To Office	Subactivity	Amount
OAR	High Performance Computing Initiatives (ORF)	NWS	Central Processing (ORF)	\$18,336,000 and 15 FTE/ 17 Positions

NOAA requests a technical adjustment to transfer \$18,336,000 and 15 FTE/ 17 positions from the OAR ORF High Performance Computing Initiatives Subactivity to the NWS ORF Central Processing Subactivity. This adjustment will transfer funding for research and development high performance computing initiatives to the NWS, ensuring that the highest priority mission activities for NOAA can continue.

**Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Budget Estimates, Fiscal Year 2027**

From Office	Subactivity	To Office	Subactivity	Amount
NWS	U.S. Weather Research Program (ORF)	NWS	Science and Technology Integration (ORF)	\$39,400,000 and 35 FTE/ 35 Positions
NWS	Tornado Severe Storm Research/Phased Array Radar (ORF)	NWS	Science and Technology Integration (ORF)	\$21,077,000 and 9 FTE/ 9 Positions
NWS	Joint Technology Transfer Initiative (ORF)	NWS	Science and Technology Integration (ORF)	\$12,092,000 and 5 FTE/ 5 Positions

NOAA requests to transfer a total of \$72,569,000 and 49 FTE/ 49 positions from the NWS ORF U.S. Weather Research Program, Tornado Severe Storm Research/Phased Array Radar and Joint Technology Transfer Initiative Subactivities to the Science and Technology Integration Subactivity, ensuring alignment with NOAA and the NWS's mission.

From Office	Subactivity	To Office	Subactivity	Amount
OAR	Research Supercomputing (PAC)	NWS	Research Supercomputing (PAC)	\$45,000 and 4 FTE/ 4 Positions

NOAA requests a technical adjustment to transfer \$45,000,000 and 4 FTE/ 4 positions from the OAR PAC Research Supercomputing Subactivity to the NWS PAC Research Supercomputing Subactivity. This adjustment will transfer funding for research and development high performance computing systems to the NWS ensuring alignment with NOAA and the NWS's mission.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Central Processing (ORF)

Subactivity: Central Processing (ORF) Transfer from OAR High Performance Computing Initiatives (ORF)

	Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	29,765	2,673	32,861
11.3	Other than full-time permanent	42	0	43
11.5	Other personnel compensation	883	35	930
11.8	Special personnel services payments	0	0	0
11.9	Total personnel compensation	30,690	2,708	33,833
12	Civilian personnel benefits	12,690	925	13,795
13	Benefits for former personnel	14	0	15
21	Travel and transportation of persons	73	94	168
22	Transportation of things	111	0	113
23	Rent, communications, and utilities		0	0
23.1	Rental payments to GSA	3,379	4,039	7,466
23.2	Rental Payments to others	0	2	2
23.3	Communications, utilities and misc charges	463	1,442	1,912
24	Printing and reproduction	1	0	1
25.1	Advisory and assistance services	11,813	5,400	17,381
25.2	Other services from non-Federal sources	34,935	837	36,268
25.3	Other goods and services from Federal sources	1,181	64	1,262
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	13,523	50	13,765
31	Equipment	3,984	8	4,049
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	140	2,767	2,909
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	3	0	3
44	Refunds	0	0	0
99	Total Obligations	113,000	18,336	132,942

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS

(Direct Obligation amounts in thousands)

Activity: U.S. Weather Research Program (ORF)

Subactivity: U.S. Weather Research Program Transfer (ORF) to Science and Technology Integration (ORF)

		2026	2027	2027
	Object Class	Enacted	Transfer	Base
11.1	Full-time permanent compensation	3,435	(3,461)	0
11.3	Other than full-time permanent	26	(27)	0
11.5	Other personnel compensation	79	(79)	0
11.8	Special personnel services payments	0	0	0
11.9	Total personnel compensation	3,540	(3,567)	0
12	Civilian personnel benefits	1,231	(1,240)	0
13	Benefits for former personnel	0	(0)	0
21	Travel and transportation of persons	254	(256)	0
22	Transportation of things	0	0	0
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	282	(284)	0
23.2	Rental Payments to others	69	(69)	0
23.3	Communications, utilities and misc charges	0	0	0
24	Printing and reproduction	1	(1)	0
25.1	Advisory and assistance services	1,643	(1,656)	0
25.2	Other services from non-Federal sources	13,749	(13,854)	0
25.3	Other goods and services from Federal sources	19	(19)	0
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	58	(58)	0
31	Equipment	314	(316)	0
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	17,942	(18,080)	0
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total Obligations	39,100	(39,400)	0

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Science and Technology Integration (ORF)

Subactivity: Science and Technology Integration (ORF) Transfer from U.S. Weather Research Program (ORF)

		2026 Enacted	2027 Transfer	2027 Base
	<u>Object Class</u>			
11.1	Full-time permanent compensation	59,738	3,461	65,262
11.3	Other than full-time permanent	56	27	109
11.5	Other personnel compensation	2,068	79	2,185
11.8	Special personnel services payments	0	0	0
11.9	Total personnel compensation	61,862	3,567	67,557
12	Civilian personnel benefits	25,890	1,240	27,907
13	Benefits for former personnel	22	0	71
21	Travel and transportation of persons	39	256	426
22	Transportation of things	211	0	223
23	Rent, communications, and utilities		0	0
23.1	Rental payments to GSA	6,537	284	6,871
23.2	Rental Payments to others	82	69	1,985
23.3	Communications, utilities and misc charges	1,006	0	1,014
24	Printing and reproduction	37	1	40
25.1	Advisory and assistance services	42,085	1,656	47,309
25.2	Other services from non-Federal sources	12,103	13,854	30,825
25.3	Other goods and services from Federal sources	3,534	19	3,803
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	3,393
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	2,116	58	2,474
31	Equipment	866	316	4,782
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	23,606	18,080	55,267
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	2	0	2
44	Refunds	0	0	0
99	Total Obligations	180,000	39,400	253,951

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS

(Direct Obligation amounts in thousands)

Activity: Tornado Severe Storm Research/Phased Array Radar (ORF)

Subactivity: Tornado Severe Storm Research/Phased Array Radar (ORF) Transfer to Science and Technology Integration (ORF)

<u>Object Class</u>	<u>2026 Enacted</u>	<u>2027 Transfer</u>	<u>2027 Base</u>
11.1 Full-time permanent compensation	899	(906)	0
11.3 Other than full-time permanent	0	0	0
11.5 Other personnel compensation	1	(1)	0
11.8 Special personnel services payments	0	0	0
11.9 Total personnel compensation	900	(907)	0
12 Civilian personnel benefits	317	(319)	0
13 Benefits for former personnel	10	(10)	0
21 Travel and transportation of persons	83	(84)	0
22 Transportation of things	11	(11)	0
23 Rent, communications, and utilities		0	0
23.1 Rental payments to GSA	0	0	0
23.2 Rental Payments to others	1,742	(1,756)	0
23.3 Communications, utilities and misc charges	0	0	0
24 Printing and reproduction	1	(1)	0
25.1 Advisory and assistance services	201	(203)	0
25.2 Other services from non-Federal sources	3,778	(3,807)	0
25.3 Other goods and services from Federal sources	218	(220)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	3,367	(3,393)	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	244	(245)	0
31 Equipment	3,494	(3,521)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	6,549	(6,600)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total Obligations	20,916	(21,077)	0

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS

(Direct Obligation amounts in thousands)

Activity: Science and Technology Integration (ORF)

Subactivity: Science and Technology Integration (ORF) Transfer from Tornado Severe Storm Research/Phased Array Radar (ORF)

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	59,738	906	65,262
11.3	Other than full-time permanent	56	0	109
11.5	Other personnel compensation	2,068	1	2,185
11.8	Special personnel services payments	0	0	0
11.9	Total personnel compensation	61,862	907	67,557
12	Civilian personnel benefits	25,890	319	27,907
13	Benefits for former personnel	22	10	71
21	Travel and transportation of persons	39	84	426
22	Transportation of things	211	11	223
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	6,537	0	6,871
23.2	Rental Payments to others	82	1,756	1,985
23.3	Communications, utilities and misc charges	1,006	0	1,014
24	Printing and reproduction	37	1	40
25.1	Advisory and assistance services	42,085	203	47,309
25.2	Other services from non-Federal sources	12,103	3,807	30,825
25.3	Other goods and services from Federal sources	3,534	220	3,803
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	3,393	3,393
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	2,116	245	2,474
31	Equipment	866	3,521	4,782
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	23,606	6,600	55,267
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	2	0	2
44	Refunds	0	0	0
99	Total Obligations	180,000	21,077	253,951

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Joint Technology Transfer Initiative (ORF)

Subactivity: Joint Technology Transfer Initiative (ORF) Transfer to Science and Technology Integration (ORF)

Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1 Full-time permanent compensation	694	(699)	0
11.3 Other than full-time permanent	26	(26)	0
11.5 Other personnel compensation	21	(21)	0
11.8 Special personnel services payments	0	0	0
11.9 Total personnel compensation	740	(746)	0
12 Civilian personnel benefits	257	(259)	0
13 Benefits for former personnel	38	(38)	0
21 Travel and transportation of persons	47	(47)	0
22 Transportation of things	0	0	0
23 Rent, communications, and utilities	0	0	0
23.1 Rental payments to GSA	0	0	0
23.2 Rental Payments to others	77	(77)	0
23.3 Communications, utilities and misc charges	0	0	0
24 Printing and reproduction	0	0	0
25.1 Advisory and assistance services	3,019	(3,042)	0
25.2 Other services from non-Federal sources	961	(968)	0
25.3 Other goods and services from Federal sources	4	(4)	0
25.4 Operation and maintenance of facilities	0	0	0
25.5 Research and development contracts	0	0	0
25.6 Medical care	0	0	0
25.7 Operation and maintenance of equipment	0	0	0
25.8 Subsistence and support of persons	0	0	0
26 Supplies and materials	38	(38)	0
31 Equipment	72	(73)	0
32 Lands and structures	0	0	0
33 Investments and loans	0	0	0
41 Grants, subsidies and contributions	6,748	(6,800)	0
42 Insurance claims and indemnities	0	0	0
43 Interest and dividends	0	0	0
44 Refunds	0	0	0
99 Total Obligations	12,000	(12,092)	0

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS

(Direct Obligation amounts in thousands)

Activity: Science and Technology Integration (ORF)

Subactivity: Science and Technology Integration (ORF) Transfer from Joint Technology Transfer Initiative (ORF)

	Object Class	2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	59,738	699	65,262
11.3	Other than full-time permanent	56	26	109
11.5	Other personnel compensation	2,068	21	2,185
11.8	Special personnel services payments	0	0	0
11.9	Total personnel compensation	61,862	746	67,557
12	Civilian personnel benefits	25,890	259	27,907
13	Benefits for former personnel	22	38	71
21	Travel and transportation of persons	39	47	426
22	Transportation of things	211	0	223
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	6,537	0	6,871
23.2	Rental Payments to others	82	77	1,985
23.3	Communications, utilities and misc charges	1,006	0	1,014
24	Printing and reproduction	37	0	40
25.1	Advisory and assistance services	42,085	3,042	47,309
25.2	Other services from non-Federal sources	12,103	968	30,825
25.3	Other goods and services from Federal sources	3,534	4	3,803
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	3,393
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	2,116	38	2,474
31	Equipment	866	73	4,782
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	23,606	6,800	55,267
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	2	0	2
44	Refunds	0	0	0
99	Total Obligations	180,000	12,092	253,951

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligation amounts in thousands)

Activity: Research Supercomputing (PAC)

Subactivity: Research Supercomputing (PAC) Transfer from OAR Research Supercomputing (PAC)

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	0	612	612
11.3	Other than full-time permanent	0	0	0
11.5	Other personnel compensation	0	0	0
11.8	Total personnel compensation	0	0	0
11.9		0	612	612
12	Civilian personnel benefits	0	188	188
13	Benefits for former personnel	0	0	0
21	Travel and transportation of persons	0	2	2
22	Transportation of things	0	0	0
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	0	467	467
23.2	Rental Payments to others	0	0	0
23.3	Communications, utilities and misc charges	0	487	487
24	Printing and reproduction	0	89	89
25.1	Advisory and assistance services	0	1,642	1,642
25.2	Other services from non-Federal sources	0	15,133	15,133
25.3	Other goods and services from Federal sources	0	22,908	22,908
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	159	159
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	0	0	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	0	776	776
31	Equipment	0	1,380	1,380
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	0	1,157	1,157
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total Obligations	0	45,000	45,000

* The 2027 Base column reflects the full 2027 Base for this Subactivity, including calculated ATBs and any additional transfers.

Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
Budget Estimates, Fiscal Year 2027

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
National Weather Service (NWS)		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Observations	Pos/BA	615	266,830	710	262,500	710	265,803	710	262,500	0	(3,303)
	FTE/OBL	649	261,255	691	262,500	691	265,803	691	262,500	0	(3,303)
Central Processing	Pos/BA	200	143,586	230	113,000	247	132,942	247	130,132	0	(2,810)
	FTE/OBL	205	115,487	219	113,000	234	132,942	234	130,132	0	(2,810)
Analyze, Forecast and Support	Pos/BA	2,510	591,202	2,886	603,500	2,886	608,199	2,886	603,500	0	(4,699)
	FTE/OBL	2,519	570,373	2,830	603,500	2,830	608,199	2,830	603,500	0	(4,699)
Dissemination	Pos/BA	72	156,703	91	120,000	91	122,084	91	120,000	0	(2,084)
	FTE/OBL	84	127,033	88	120,000	88	122,084	88	120,000	0	(2,084)
Science and Technology Integration	Pos/BA	407	217,693	473	180,000	522	253,951	522	252,016	0	(1,935)
	FTE/OBL	424	214,154	442	180,000	491	253,951	491	252,016	0	(1,935)
U.S. Weather Research Program	Pos/BA	0	0	35	39,100	0	0	0	0	0	0
	FTE/OBL	0	0	35	39,100	0	0	0	0	0	0
Tomado Severe Storm Research / Phased Array Radar	Pos/BA	0	0	9	20,916	0	0	0	0	0	0
	FTE/OBL	0	0	9	20,916	0	0	0	0	0	0
Joint Technology Transfer Initiative	Pos/BA	0	0	5	12,000	0	0	0	0	0	0
	FTE/OBL	0	0	5	12,000	0	0	0	0	0	0
NOAA Community Project Funding/NOAA Special Projects	FTE/OBL	0	0	0	9,332	0	9,332	0	0	0	(9,332)
Total NWS – ORF	Pos/BA	3,804	1,376,014	4,439	1,360,348	4,456	1,392,311	4,456	1,368,148	0	(24,163)
	FTE/OBL	3,881	1,288,302	4,319	1,360,348	4,334	1,392,311	4,334	1,368,148	0	(24,163)
Systems Acquisition	Pos/BA	16	122,707	33	94,200	37	139,200	42	126,200	5	(13,000)
	FTE/OBL	31	123,845	33	94,200	37	139,200	41	126,200	4	(13,000)
Construction	Pos/BA	1	9,625	1	10,000	1	10,000	1	10,000	0	0
	FTE/OBL	1	11,191	1	10,000	1	10,000	1	10,000	0	0
Total NWS – PAC	Pos/BA	17	132,332	34	104,200	38	149,200	43	136,200	5	(13,000)
	FTE/OBL	32	135,036	34	104,200	38	149,200	42	136,200	4	(13,000)
	Pos/BA	0	0	0	0	0	0	0	0	0	0
NWS Inflation Reduction Act (ORF)	FTE/OBL	0	1,521	0	0	0	0	0	0	0	0
	Pos/BA	0	0	0	0	0	0	0	0	0	0
NWS Inflation Reduction Act (PAC)	FTE/OBL	0	41,662	0	0	0	0	0	0	0	0
Total NWS	Pos/BA	3,821	1,508,346	4,473	1,464,548	4,494	1,541,511	4,499	1,504,348	5	(37,163)
	FTE/OBL	3,913	1,466,521	4,353	1,464,548	4,372	1,541,511	4,376	1,504,348	4	(37,163)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Community							
Project	Pos/BA	0	9,332	0	0	0	(9,332)
Funding/NOAA	FTE/OBL	0	9,332	0	0	0	(9,332)
Special Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$9,332, 0 FTE/ 0 Positions) – This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Observations

Goal Statement

NWS relies on environmental observations, of the surface of the sun to the bottom of the sea, to meet its forecast and warnings mission. NWS integrates *in situ* and remotely-sensed data from NOAA-managed systems, partner systems, and non-Federal sources such as commercial data buys. These include radars, satellites, upper air, marine, and surface-based systems that support statutory mandates.

Base Program

Funding supports operations and maintenance of all NWS observing systems, and to evaluate observational requirements, engineer technical solutions, perform systems development and testing, and purchase additional observational data from select third-party vendors. Together, the observations ensure warning and forecasting in all mission service areas of the NWS including aviation weather, severe weather, space weather, marine weather, tropical weather, fire weather and more. These systems measure different phenomena from a variety of perspectives, such as ground, air, or remote sensing, and they complement each other to form a holistic picture of the environment. By gathering information from multiple sources, NWS ensures the most complete data picture possible to support NWS meteorologists, as well as other Federal agencies, industry, academia, and international partners.

Specific activities in Observations include:

- Manage operations and maintenance of NWS observational systems;
- Provide holistic, ongoing assessments/analyses of the observing systems portfolio to optimize resource allocation;
- Identify, support, and manage NWS' observation requirements;
- Seek solutions to fulfill NWS' observation requirements;
- Develop a strategy to maximize effectiveness while minimizing cost; and,
- Coordinate NWS' observing system activities within NOAA and with its partners.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

- Operate and maintain the tri-agency Next Generation Weather Radar (NEXRAD) network

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

- Operate and maintain the radiosonde and aircraft reporting networks in support of upper air observations and modeling
- Upgrade, operate and maintain the tri-agency Automated Surface Observing System (ASOS) in support of aviation, and other services
- Operate and maintain ocean, Great Lakes, and coastal weather buoys, Coastal Marine Automated Networks (C-MAN), Pacific Ocean Tropical Atmosphere Ocean (TAO) buoy network, and the Deep-ocean Assessment and Reporting of Tsunamis (DART) buoy network in support of marine, tropical, tropical cyclone, and tsunami warnings and forecasts
- Process data from the National Solar Observatory's Global Oscillation Network Group (GONG) in support of space weather warnings and forecasts
- Operate and maintain the Cooperative Observer Program (COOP)
- Operate and maintain the Voluntary Observing Ships program in support of marine weather
- Develop, test, and deploy NEXRAD Radar Product Generator and Radar Data Acquisition Software Builds
- Develop, test, and deploy Terminal Doppler Weather Radar (TDWR) Supplemental Product Generator (SPG) Builds
- Sustain the Meteorological Assimilation Data Ingest System (MADIS)
- Transition legacy General Services Administration circuits supporting NEXRAD and ASOS to the Enterprise Infrastructure Solutions

Deliverables

- Support operations of 122 NEXRAD systems at 96 percent availability
- Support operations of 45 Federal Aviation Administration (FAA) TDWR SPG systems
- Support operations of 100 radiosonde stations in the United States and its territories, and Pacific Island nations, maintaining 90 percent availability
- Support operations and maintenance of 308 NWS, 570 FAA, and 78 Department of War (DoW) ASOS units under a reimbursable funding agreement at 96 percent availability
- Support operations of 104 Coastal Weather Buoys systems at 80 percent availability
- Support operations of 40 C-MAN stations at 80 percent availability
- Support operations of 39 DART buoys at 80 percent availability
- Support operations of 46 Pacific Ocean TAO buoys at 80 percent availability
- Continuity of GONG data to the Space Weather Prediction Center
- Oversee continued observational data purchasing to supplement government backbone
- Leverage data flow from aircraft observations commercial data purchases
- Maintain National Mesonet Program Office and leverage data flow from commercial environmental data purchases

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- Leverage data flow from commercial lightning data purchases
- Leverage data flow from ship, vessel, or other marine surface meteorological and oceanographic observations data purchases
- Support strategic and tactical ice analysis services for the tri-agency U.S. National Ice Center by leveraging data from foreign satellite data purchases and providing support for the International Arctic Buoy Program
- Develop and maintain software for observing systems
- Provide maintenance, repair, quality assurance, and warehousing of new and reconditioned parts
- Perform system and operational tests and evaluation of alternative systems
- Continue the transition of legacy circuits supporting NEXRAD and ASOS inventory to the Enterprise Infrastructure Solutions
- Support the development of applications for use of meteorological satellite data and information in NWS operations

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos/BA	615	266,830	710	262,500	710	265,803
Observations	FTE/OBL	649	261,255	691	262,500	691	265,803

In FY 2027, the Observations portfolio will operate, support and maintain NWS observing systems, such as the NEXRAD, ASOS, weather buoys, and radiosondes that collect data necessary to provide weather forecasts, warnings, and outlooks. They will operate and maintain multiple networks of weather/ocean/tsunami warning buoys, and develop, test and deploy software builds for the NEXRAD Radar Product Generator and Radar Data Acquisition, and the TDWR SPG. They will also obtain observations that complement the NWS' core observational capabilities from commercial data sources and state-level mesonet systems.

Under Observations, NWS maintains the following programs to accomplish this activity:

Upper Air Observations Program provides a vertical profile of meteorological data across the Earth's atmosphere. To provide humidity, pressure, and other data that inform weather forecasts, NWS operates a radiosonde network. In addition, the program provides for critical, terrestrial-based space weather observations.

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Radar Observations Program provides meteorological data about winds, clouds, and precipitation that provide real-time information to forecasters for issuing severe weather warnings, with guidance on storm impacts, quantitative precipitation estimates and severity. To produce timely and accurate storm data, NWS operates 122 NEXRADs and acquires supplementary radar data from other sources and tests and evaluates current and new NEXRAD functions through scientific and engineering support.

Surface Observations Program provides meteorological data at the Earth's surface. To provide on-the-ground observations, NWS operates the ASOS and the COOP.

Marine Observations Program provides real-time meteorological, oceanographic, climatological, and tsunami *in situ* observations in the open ocean and coastal zones surrounding the U.S. and the equatorial Pacific Ocean. NWS operates the Coastal Weather Buoy network, C-MAN, the TAO buoy network, the DART buoy network, and the Voluntary Observing Ship (VOS) program. NWS tests and evaluates current and new capabilities in marine-borne observations through scientific and engineering support.

Commercial Observations Program acquires observations from private and commercial aircraft, acquires lightning data from commercial vendors, and continues to research and analyze additional commercial data opportunities in support of the other programs within observations. To acquire "mesoscale meteorological" observations such as temperature, humidity, lightning, and atmospheric pressure in areas most susceptible to tornadoes, NWS operates the National Mesonet Program, a network of automated weather stations located and installed closely together and run by states and other partners.

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	2027 Base		2027 Estimate		Decrease from 2027 Base	
	Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA	710	265,803	710	264,000	0	(1,803)
Observations FTE/OBL	691	265,803	691	264,000	0	(1,803)

Reduce Marine Observations (-\$1,803, 0 FTE/ 0 Positions) - With this reduction the National Data Buoy Center (NDBC) will disestablish seven weather buoys across the system, four of which are currently not operational, leaving 97 operational Coastal Weather Buoys. Disestablishment means physically removing them from the water. Fewer buoys to maintain will reduce costs for equipment, contract labor, and ship servicing time. The criteria for decommissioning buoys include proximity to other observation sources, the operating cost of specific buoys, and a history of high vandalism. NWS will mitigate risks to real-time data availability for forecasts and warnings by utilizing observations from nearby stations or derivative data from visible satellite imagery.

In addition, NDBC will conclude the collection of data from the Voluntary Observing Ship program. NWS is investigating other avenues of ingesting voluntary data that are less costly. Ending the collection of this data will allow Port Meteorological Officers to devote time to other high value tasks.

Schedule and Milestones

FY 2027 – FY 2031

- Operate and maintain 97 Coastal Weather Buoys in support of marine, tropical, tropical cyclone, and tsunami warnings and forecasts

Deliverables

- Support operations of 97 Coastal Weather Buoys at 80 percent availability

Performance Measures

	2027	2028	2029	2030	2031
Number of weather buoys operating at 80 percent availability					
With Decrease	97	97	97	97	97

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Without Decrease	104	104	104	104	104

Number of daily VOS observations
incorporated into NWS products
(approximate)

With Decrease	0	0	0	0	0

Without Decrease	5,000	5,000	5,000	5,000	5,000

Outyear Costs:

Direct Obligations	(1,803)	(1,803)	(1,803)	(1,803)	(1,803)

Capitalized	(1,803)	(1,803)	(1,803)	(1,803)	(1,803)

Uncapitalized	0	0	0	0	0

Budget Authority	(1,803)	(1,803)	(1,803)	(1,803)	(1,803)

Outlays	(1,099)	(1,604)	(1,694)	(1,766)	(1,803)

FTE	0	0	0	0	0

Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Observations
Subactivity: Observations

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	80,702	81,087	82,107	82,107	0
11.3 Other than full-time permanent	105	105	107	107	0
11.5 Other personnel compensation	2,666	2,679	2,712	2,712	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	83,473	83,871	84,926	84,926	0
12 Civilian personnel benefits	34,672	34,837	35,275	35,275	0
13 Benefits for former personnel	39	40	40	40	0
21 Travel and transportation of persons	801	805	815	815	0
22 Transportation of things	3,600	3,617	3,663	3,663	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	6,431	6,462	6,543	6,543	0
23.2 Rental Payments to others	4,071	4,090	4,141	4,141	0
23.3 Communications, utilities and misc charges	12,439	12,499	12,656	12,656	0
24 Printing and reproduction	26	26	26	26	0
25.1 Advisory and assistance services	29,182	29,321	29,690	29,690	0
25.2 Other services from non-Federal sources	55,622	55,887	56,590	54,787	(1,803)
25.3 Other goods and services from Federal sources	1,868	1,877	1,901	1,901	0
25.4 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	363	364	369	369	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	24,314	24,430	24,738	24,738	0
31 Equipment	1,185	1,191	1,206	1,206	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	3,159	3,174	3,214	3,214	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	9	9	10	10	0
44 Refunds	0	0	0	0	0
99 Total Obligations	261,255	262,500	265,803	264,000	(1,803)

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	2027 Base		2027 Estimate		Decrease from 2027 Base	
	Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA	710	265,803	710	264,303	0	(1,500)
Observations FTE/OBL	691	265,803	691	264,303	0	(1,500)

Reduce NEXRAD Radome and Tower Maintenance Services (-\$1,500, 0 FTE/ 0 Positions) - This reduction will limit NEXRAD radome and tower maintenance services to only urgent inspections. NWS will continue to perform emergency repairs for NEXRAD radomes and towers and will limit maintenance to urgent inspections.

Schedule and Milestones

FY 2027 – FY 2031

- Conduct inspections and maintenance on NEXRAD radomes and towers

Deliverables

- Support operations of 120 NEXRAD systems at 96 percent availability

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(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)
Capitalized	0	0	0	0	0
Uncapitalized	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)
Budget Authority	(1,500)	(1,500)	(1,500)	(1,500)	(1,500)
Outlays	(915)	(1,335)	(1,410)	(1,470)	(1,500)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Observations
Subactivity: Observations

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	80,702	81,087	82,107	82,107	0
11.3 Other than full-time permanent	105	105	107	107	0
11.5 Other personnel compensation	2,666	2,679	2,712	2,712	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	83,473	83,871	84,926	84,926	0
12 Civilian personnel benefits	34,672	34,837	35,275	35,275	0
13 Benefits for former personnel	39	40	40	40	0
21 Travel and transportation of persons	801	805	815	815	0
22 Transportation of things	3,600	3,617	3,663	3,663	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	6,431	6,462	6,543	6,543	0
23.2 Rental Payments to others	4,071	4,090	4,141	4,141	0
23.3 Communications, utilities and misc charges	12,439	12,499	12,656	12,656	0
24 Printing and reproduction	26	26	26	26	0
25.1 Advisory and assistance services	29,182	29,321	29,690	29,690	0
25.2 Other services from non-Federal sources	55,622	55,887	56,590	55,090	(1,500)
25.3 Other goods and services from Federal sources	1,868	1,877	1,901	1,901	0
25.4 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	363	364	369	369	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	24,314	24,430	24,738	24,738	0
31 Equipment	1,185	1,191	1,206	1,206	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	3,159	3,174	3,214	3,214	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	9	9	10	10	0
44 Refunds	0	0	0	0	0
99 Total Obligations	261,255	262,500	265,803	264,303	(1,500)

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(Dollar amounts in thousands)

Activity: Central Processing

Goal Statement

Central Processing is the second step in the NWS forecast process. Through this Activity, NWS ingests data obtained from observing infrastructure and delivers it in a usable form to NWS modelers and meteorologists. Central Processing also supports high performance computing (HPC) initiatives which drive major improvements in weather and seasonal forecasting, ecosystem and ocean modeling, and environmental information dissemination.

Base Program

Activities under Central Processing include managing the Weather and Climate Operational Supercomputing System (WCOS), the Advanced Weather Interactive Processing System (AWIPS), hydrology information technology initiatives, and the information technology (IT) infrastructure that supports national centers and field operations. Together these ensure the uninterrupted flow of information from collection of observations to central guidance production and local access to all essential weather, water and environmental data products. The High Performance Computing Initiatives accelerate the adoption and transition of advanced computing and technology throughout NOAA, driving major improvements to the accuracy and timeliness of NOAA's short-term weather warnings, seasonal forecasts, hurricane forecast improvements, as well as regional and global weather predictions that are heavily dependent on major advances. Central Processing efforts provide NOAA with necessary computational and network resources required to support continued advances in environmental modeling capabilities. Timely and responsive dissemination of NOAA's services and information requires full use of modern network and communication technologies.

Specific activities in Central Processing include:

- Operate and maintain NWS' IT processing infrastructure
- Sustain reliability of NWS' IT processing by keeping infrastructure up to date
- Identify NWS' processing requirements and gaps
- Review NWS' processing system capabilities
- Seek solutions to fulfill NWS processing requirements
- Coordinate NWS' processing system activities across NOAA
- Maintain a 24/7 help desk for all forecast systems

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- Support the computing requirements for NOAA's modeling and research missions

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

- Manage high performance computing usage, reliability, and resources including a major system upgrade
- Support scheduled improvements to National Centers for Environmental Prediction (NCEP) production suite
- Sustain AWIPS architecture and infrastructure at National Centers, Weather Forecast Offices (WFOs), River Forecast Centers (RFCs), and Tsunami Warning Centers (TWCs).
- Continue to improve flood lead time and accuracy improvement
- Transition the legacy on-premise AWIPS infrastructure to modular forecast applications and data management systems in the commercial cloud, allowing for improved forecast operations and the forward deployment of NWS staff alongside their partners
- Perform quantitative evaluation of (statistically) downscaled weather projections for the U.S. and their suitability for use in weather impacts and decision-making applications published in the peer-reviewed literature
- Participate in the Networking and Information Technology Research and Development Program interagency activities

Deliverables

- Implementation of capabilities within the data and application environments (e.g., AWIPS in the Cloud) which allows the decommissioning of the legacy, on-premises AWIPS.
- Weather and Climate Operational Supercomputing System (WCOS) maintaining 99 percent network availability
- National Water Prediction Service (NWPS) performance meeting or exceeding flood lead time and accuracy goals
- National Center and Regional IT infrastructure that meets operational reliability goals through improved annual maintenance
- Continued investigation of cloud HPC technologies and applicability to NOAA research efforts

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(Dollar amounts in thousands)

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Central Processing	Pos/BA	200	143,586	230	113,000	247	132,942
	FTE/OBL	205	115,487	219	113,000	234	132,942

In FY 2027, the NWS will sustain the legacy, on-premises AWIPS to support operational needs of the NWS while the AWIPS in the Cloud solution is being built. This Cloud AWIPS solution consists of two parts: Data Environment and Application Environment. The Data Environment is a single cloud-based repository for both NWS-owned and partner data, including commercial data. Moving away from the current fragmented storage and distribution across legacy systems, the data environment will provide the high-quality foundation necessary to power future capabilities across the NWS, transforming its data management infrastructure. Similarly, the Application Environment serves as the central application environment for NWS forecasters to analyze data, create weather forecasts, and issue warnings. The Data and Application Environments are being built in two phases. Phase 1 is targeted for completion in early 2027. This phase will establish foundational capabilities, including the storage and viewing of hydrometeorological data, as well as the creation and issuance of key public-facing products. Phase 2 is targeted for completion in early 2028 and will deliver the comprehensive capabilities required to fully decommission the legacy, on-premises AWIPS.

Central Processing maintains the following programs to accomplish this activity:

NWS Central Operations provides support for WCOSS including the software and infrastructure that forms the basis for predictions from NCEP Centers and WFOs through its Weather and Climate Computing Infrastructure Services program.

Advanced Weather Interactive Processing System is the information processing, display, and telecommunications system that is the cornerstone of NWS field operations. In FY 2027, NOAA will transition the on-premises, legacy AWIPS into sustainment mode while AWIPS in the Cloud (e.g., Data and Application Environments) is being built, tested, and implemented. NWS will also continue to translate key products into Spanish, Samoan, Chinese, Vietnamese, and French.

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Hydrology Information Technology Initiatives gather, integrate and utilize advanced and localized water and related observations to predict streamflow and produce water resources information to inform decisions, which optimize water use and mitigate the impacts of floods and droughts.

National Centers and Regional IT Infrastructure maintain the information technology infrastructure and standards that enable the National Centers and regional offices, including forecast offices, to effectively work together.

High Performance Computing Initiatives, established through the High-Performance Computing Act of 1991 (P.L. 102-194), improve the accuracy and timeliness of NOAA's short-term weather warnings, forecasts, hurricane forecast improvements, as well as regional and global environment and ecosystem predictions. HPC Initiatives provide necessary computational and network resources required to advance in environmental modeling capabilities across NOAA. In fact, every NOAA Line Office uses R&D HPC systems.

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Central	Pos/BA	247	132,942	247	140,074	0	7,132
Processing	FTE/OBL	234	132,942	234	140,074	0	7,132

AWIPS in the Cloud (+\$7,132, 0 FTE/ 0 Positions) - NOAA requests an increase to ensure a seamless transition from AWIPS on premise to AWIPS in the Cloud, including decommissioning of the legacy AWIPS system, and to support continued operations of AWIPS in the Cloud. Transforming NWS's AWIPS to a cloud framework is crucial to enable a more nimble, flexible, and mobile workforce capable of delivering face-to-face services to core partners and better serving the Nation. NOAA has made tremendous progress toward establishing AWIPS in the Cloud thanks to supplemental funding. Completing transition to the cloud involves a strategic phase of parallel operations to mitigate risk through thorough testing and training where NOAA must fund both legacy and cloud operations concurrently. AWIPS in the Cloud will support greater processing and data flow costs for hosting operations in the commercial cloud as NOAA transitions from the cumbersome and hardware-centric AWIPS operational model to more flexible and distributed cloud operations. This funding will support continuation of necessary development, testing, and deployment for AWIPS in the Cloud that must be completed before the legacy AWIPS system can be properly decommissioned in FY 2028.

Schedule and Milestones

FY 2027 – FY 2031

- Implementation of capabilities within the data and application environments (e.g., AWIPS in the Cloud) which allows the decommissioning of the legacy, on-premises AWIPS

Deliverables

- Achieve initial operating capability of the Data and Application Environments
- Expand enterprise data management in the Data Environment delivering additional operational capabilities across all NWS functions
- Expand functions of the Application Environment including integration of both operational and experimental datasets
- Decommissioning of legacy, on-premises AWIPS

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Performance Measures

	2027	2028	2029	2030	2031
Percentage of operational users working in AWIPS in the Cloud					
With Increase	50	100	100	100	100
Without Increase	30	60	100	100	100
Outyear Costs:					
Direct Obligations	7,132	7,132	7,132	7,132	7,132
Capitalized	7,132	7,132	7,132	7,132	7,132
Uncapitalized	0	0	0	0	0
Budget Authority	7,132	7,132	7,132	7,132	7,132
Outlays	4,331	6,319	6,674	6,958	7,132
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Central Processing
Subactivity: Central Processing

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
11.1 Full-time permanent compensation	30,420	29,765	32,861	32,861	0
11.3 Other than full-time permanent	43	42	43	43	0
11.5 Other personnel compensation	902	883	930	930	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	31,364	30,689	33,833	33,833	0
12 Civilian personnel benefits	12,969	12,690	13,795	13,795	0
13 Benefits for former personnel	15	14	15	15	0
21 Travel and transportation of persons	74	73	168	168	0
22 Transportation of things	114	111	113	113	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	3,453	3,379	7,466	7,466	0
23.2 Rental Payments to others	0	0	2	2	0
23.3 Communications, utilities and misc charges	473	463	1,912	1,912	0
24 Printing and reproduction	1	1	1	1	0
25.1 Advisory and assistance services	12,073	11,813	17,381	17,381	0
25.2 Other services from non-Federal sources	35,704	34,935	36,268	43,400	7,132
25.3 Other goods and services from Federal sources	1,207	1,181	1,262	1,262	0
25.4 Operation and maintenance of facilities	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 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	13,821	13,523	13,765	13,765	0
31 Equipment	4,072	3,984	4,049	4,049	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	143	140	2,909	2,909	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	3	3	3	3	0
44 Refunds	0	0	0	0	0
99 Total Obligations	115,487	113,000	132,942	140,074	7,132

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Central	Pos/BA	247	132,942	247	124,606	0	(8,336)
Processing	FTE/OBL	234	132,942	234	124,606	0	(8,336)

High Performance Computing Reduction (-\$8,336 0 FTE/ 0 Positions) - NOAA will prioritize support for the most critical research and development HPC initiatives to sustain the accuracy and timeliness of warnings and forecasts.

Schedule and Milestones

FY 2027

- Decommission two of three research and development HPC systems at the NOAA Environmental Security Computing Center, reducing its compute capacity from ~33 Petaflops (PF) to ~20 PFs
- Reduction of research model development and software optimization
- Reduction in user support, site support, monitoring, and infrastructure capability across the NOAA Enterprise

FY 2028 - 2031

- Maintain site support for the highest priority research and development HPC activities and WCOSS archive

Deliverables

- Reduce funding for research and development HPC

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(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(8,336)	(8,336)	(8,336)	(8,336)	(8,336)
Capitalized	(8,336)	(8,336)	(8,336)	(8,336)	(8,336)
Uncapitalized	0	0	0	0	0
Budget Authority	(8,336)	(8,336)	(8,336)	(8,336)	(8,336)
Outlays	(5,084)	(7,419)	(7,835)	(8,169)	(8,336)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Central Processing
Subactivity: Central Processing

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	30,420	29,765	32,985	32,985	0
11.3 Other than full-time permanent	43	42	79	79	0
11.5 Other personnel compensation	902	883	895	895	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	31,364	30,689	33,960	33,959	0
12 Civilian personnel benefits	12,969	12,690	13,839	13,839	0
13 Benefits for former personnel	15	14	15	15	0
21 Travel and transportation of persons	74	73	163	89	(74)
22 Transportation of things	114	111	113	113	0
23 Rent, communications, and utilities	0	0		0	0
23.1 Rental payments to GSA	3,453	3,379	4,872	4,872	0
23.2 Rental Payments to others	0	0	2	0	(2)
23.3 Communications, utilities and misc charges	473	463	1,830	2,388	558
24 Printing and reproduction	1	1	1	1	0
25.1 Advisory and assistance services	12,073	11,813	20,104	15,012	(5,092)
25.2 Other services from non-Federal sources	35,704	34,935	36,221	35,384	(837)
25.3 Other goods and services from Federal sources	1,207	1,181	1,258	1,194	(64)
25.4 Operation and maintenance of facilities	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 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	13,821	13,523	13,762	13,712	(50)
31 Equipment	4,072	3,984	4,048	4,040	(8)
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	143	140	2,751	-16	(2,767)
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	3	3	3	3	0
44 Refunds	0	0	0	0	0
99 Total Obligations	115,487	113,000	132,942	124,605	(8,336)

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PROGRAM DECREASE FOR 2027
(Direct Obligations amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Central	Pos/BA	247	132,942	247	131,336	0	(1,606)
Processing	FTE/OBL	234	132,942	234	131,336	0	(1,606)

Streamlining Regional IT Services (-\$1,606, 0 FTE/ 0 Positions) - NWS will transition to a cloud centric network environment for regional IT services, and in so doing will decrease equipment refresh of hardware in regional IT systems. The increased risk with equipment operating beyond intended end of life is a tradeoff that allows resources to be refocused on migration.

By migrating to a cloud-based infrastructure, NWS will achieve financial efficiencies such as eliminating large upfront capital investment (i.e. servers, storage, network equipment) and ongoing maintenance warranty contracts. The transition reduces facility overhead costs, physical footprint and energy consumption at local weather forecast offices.

Schedule and Milestones

FY 2027 – FY 2031

- Maintain high-speed propagation capabilities for vital meteorological and water data while optimizing local network performance

Deliverables

- Guarantee the continuous delivery of NWS products and data to partners and the general public, maintain a strong, high-availability network

Performance Measures

	2027	2028	2029	2030	2031
Percentage of on-premise regional IT network servers eliminated					
With Decrease	5%	5%	10%	10%	10%
Without Decrease	0%	0%	0%	0%	0%

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PROGRAM DECREASE FOR 2027

(Direct Obligations amounts in thousands)

Outyear Costs:

Direct Obligations	(1,606)	(1,606)	(1,606)	(1,606)	(1,606)
Capitalized	0	0	0	0	0
Uncapitalized	(1,606)	(1,606)	(1,606)	(1,606)	(1,606)
 Budget Authority	 (1,606)	 (1,606)	 (1,606)	 (1,606)	 (1,606)
Outlays	(979)	(1,429)	(1,509)	(1,573)	(1,606)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Central Processing
Subactivity: Central Processing

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	30,420	29,765	32,861	32,861	0
11.3 Other than full-time permanent	43	42	43	43	0
11.5 Other personnel compensation	902	883	930	930	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	31,364	30,689	33,833	33,833	0
12 Civilian personnel benefits	12,969	12,690	13,795	13,795	0
13 Benefits for former personnel	15	14	15	15	0
21 Travel and transportation of persons	74	73	168	168	0
22 Transportation of things	114	111	113	113	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	3,453	3,379	7,466	7,466	0
23.2 Rental Payments to others	0	0	2	2	0
23.3 Communications, utilities and misc charges	473	463	1,912	1,912	0
24 Printing and reproduction	1	1	1	1	0
25.1 Advisory and assistance services	12,073	11,813	17,381	17,381	0
25.2 Other services from non-Federal sources	35,704	34,935	36,268	34,662	(1,606)
25.3 Other goods and services from Federal sources	1,207	1,181	1,262	1,262	0
25.4 Operation and maintenance of facilities	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 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	13,821	13,523	13,765	13,765	0
31 Equipment	4,072	3,984	4,049	4,049	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	143	140	2,909	2,909	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	3	3	3	3	0
44 Refunds	0	0	0	0	0
99 Total Obligations	115,487	113,000	132,942	131,336	(1,606)

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Analyze, Forecast and Support

Goal Statement

NWS' mission is to provide forecasts, warnings, and impact-based decision support services (IDSS) for the protection of life and property, and to support the national economy. The Analyze, Forecast and Support (AFS) Activity leverages innovations from the Science and Technology Integration (STI) Activity, and utilizes output and support services from the Observations, Central Processing, and Dissemination Activities by applying expertise to the observed data, model outputs, and dissemination systems, resulting in forecasts, warnings, and IDSS for the Nation.

Base Program

NWS' national network of forecast offices, specialized centers, and associated workforce of meteorologists, hydrologists, climatologists, and space physicists is supported through the AFS Activity. This expert workforce monitors the weather, water, and space weather from our oceans to the surface of the sun, 24 hours a day, seven days a week. Forecasts and warnings, provided days in advance of pending winter storms or hurricanes, wildland fire conditions, tornado outbreaks, heat waves or river floods, enable communities, industry, and emergency managers to plan effective preparation and response strategies. Warnings for high impact, rapidly evolving hazards such as solar storms, tornadoes, tsunamis, flash floods or ash plumes following volcanic eruptions, enable decision makers to keep the public out of harm's way to protect their lives and livelihoods.

NOAA's network of Weather Forecast Offices (WFOs), River Forecast Centers (RFCs), and specialized national centers house the NOAA equipment and expertise that results in weather forecasts, warnings, and the provision of IDSS. Like any other physical asset, this infrastructure must be maintained to support NWS' mission delivery and efforts to build a Weather-Ready Nation. Many of these facilities are required to operate 24 hours per day, 365 days per year. As such, NWS conducts facility condition assessments (FCAs) for all leased and owned facilities. At many locations, the FCA identifies issues that significantly affect operational readiness, service delivery, or occupant safety

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

- Operate national network of 24/7 WFOs, that provide weather surveillance, IDSS, forecast and warning services
- Operate and continue to modernize the national network of RFCs that provide river stage, streamflow, water supply, and flood guidance, ensuring nationally consistent and interoperable services
- Operate the National Centers for Environmental Prediction (NCEP) centers
- Operate the National Water Center (NWC) to provide continuous water prediction coordination and support to RFCs, WFOs, and partners
- Operate NOAA's component of the interagency U.S. National Ice Center to support sea ice analysis and prediction
- Provide IDSS to core partners during routine and high impact events
- Operate Tsunami Warning Centers to monitor and predict tsunamis
- Provide weather and financial support to the Nations of the Pacific Island Compact

Deliverables

- Operations of all WFOs, RFCs, National Centers, and Tsunami Warning Centers
- IDSS provided to local, regional and state partners and decision makers from WFOs, RFCs and National Centers and via embedded Emergency Response Specialists
- Provision of field operational support from National Headquarters
- Operations and maintenance of Weather Service Offices and Data Collection Offices outside the continental United States
- Operational sea ice forecasts from the U.S. National Ice Center
- Aviation weather forecasts for all identified airports and air routes
- Incident Meteorologists trained and deployment-ready to support decision makers at wildland fires
- Probabilistic prediction of extreme weather events in support for fire management of large fire outbreaks and growth
- Fire weather services, decision support and risk communications for rural, Tribal, and wildlife urban interface communities
- Continued support of StormReady® and TsunamiReady® communities
- Nearly one hundred percent of the U.S. population served by operational flood inundation mapping services
- Design an aligned National Tsunami Warning System, and redesign tsunami.gov website to support alignment of new system
- Fortified concept of operations and common analytic and messaging interfaces for Tsunami Warning Centers
- Seasonal to sub-seasonal IDSS tools deployed to support regional and local delivery of IDSS
- Plain language utilized in hazard communication to support risk mitigation and decision-making
- Revised space weather scales to provide critical and timely space weather IDSS
- Improved resolution of warning services to reduce overwarning

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Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Analyze, Forecast, and Support	Pos/BA	2,510	591,202	2,886	603,500	2,886	608,199
	FTE/OBL	2,519	570,373	2,830	603,500	2,830	608,199

NWS issues forecasts and warnings, provides seasonal outlooks, and communicates the effects of changing weather, sub-seasonal to seasonal climate trends, and water resources information to the American public and to the weather/water/climate enterprise. Weather and water impact every sector of the economy, and businesses rely on NOAA's information to improve commerce. Timely and accurate warnings for weather and water-related hazards – provided reliably and on time, every time – are necessary for public safety. NWS measures satisfaction with NOAA information and warning services through surveys of emergency managers, first responders, natural resource and water managers, public health professionals, industry, government, and the public. NWS then uses these results to inform service improvements.

Analyze, Forecast and Support maintains the following programs to accomplish these activities:

Weather and Climate Services and Warnings provide real-time meteorological and subseasonal to seasonal products and services to emergency managers, public officials and the public. To achieve this requirement, NWS operates WFOs and other field offices within the continental U.S., Alaska, Hawai'i, U.S. territories and in locations within the Pacific Island Compact and has embedded Emergency Response Specialists within state and major city EOCs and with the Coast Guard.

National Centers provide specialized forecast guidance and products for NWS field offices and other direct users (such as the FAA's Air Route Traffic Control Center, and FEMA). The National Centers provide an integrated suite of numerical weather and environmental forecast guidance, at scales ranging from local to global, at various time frames. NWS forecasters and the weather enterprise use this information and the suite of weather model output as the basis for consistent forecast products, advisories and warnings. The AFS Activity supports the following NCEP Centers:

- **Aviation Weather Center** delivers consistent, timely and accurate weather information to support safe air navigation for the world airspace system

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(Dollar amounts in thousands)

- **National Hurricane Center** issues watches, warnings, forecasts and analyses of hazardous tropical cyclones and their associated hazards (including storm surge) for a large part of the North Atlantic, Caribbean Sea, Gulf of America, and the eastern and central North Pacific.
- **Ocean and Tsunami Center** provides life and property saving and economic enhancing marine, ice, and tsunami warnings, products, and readiness services to meet U.S. national interest and international obligations.
- **Space Weather Prediction Center** provides real-time monitoring and forecasting of solar and geophysical events and disturbances such as geomagnetic storms and solar flares.
- **Storm Prediction Center** provides forecasts and watches for tornadoes, severe thunderstorms, large hail, lightning, wildfire potential, and heavy precipitation for the United States.
- **Weather Prediction Center** develops and delivers foundational data, products, and services for ongoing and forecast weather extremes from minutes to seasons, with a focus on rainstorms, winter storms, extreme temperature events (i.e. heat waves and cold waves), and drought.

Hydrologic Services and Warnings provides hydrologic data, analysis, forecast information, and decision support services through the National Water Center, RFCs, and WFOs to address the Nation's growing water resources challenges, including flood risk, water supply variability, and extreme precipitation.

NOAA's Tsunami Warning Program provides reliable, 24/7 monitoring of seismic events that could generate a tsunami that could impact the Atlantic or Pacific coastlines.

Pacific Island Compact is part of the U.S. Compact of Free Association with the Republic of the Marshall Islands, the Federated States of Micronesia, and the Republic of Palau in which the U.S. government provides basic government and commerce services including weather services to these island nations. The Compact provides the necessary funding to support the NWS WSOs and associated weather warning, forecast, and observation services for these islands.

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Analyze, Forecast and	Pos/BA	2,886	608,199	2,886	603,500	0	(4,699)
Support	FTE/OBL	2,830	608,199	2,830	603,500	0	(4,699)

Reduce Deferred Maintenance and Replacement Program Support (-\$4,699, 0 FTE/ 0 Positions) – NOAA will reduce the number of deferred maintenance and replacement projects at NWS field facilities. NOAA will prioritize projects and emerging requirements at NWS field facilities to minimize risk to operations.

Schedule and Milestones

FY 2027 – FY 2031

- Minimal deferred facilities maintenance / minor construction provided to NWS operational facilities

Deliverables

- Reduce funding for deferred maintenance projects

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(4,699)	(4,699)	(4,699)	(4,699)	(4,699)
Capitalized	(4,699)	(4,699)	(4,699)	(4,699)	(4,699)
Uncapitalized	0	0	0	0	0
Budget Authority	(4,699)	(4,699)	(4,699)	(4,699)	(4,699)
Outlays	(2,866)	(4,182)	(4,417)	(4,605)	(4,699)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Analyze, Forecast and Support
Subactivity: Analyze, Forecast and Support

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	305,544	323,290	325,807	325,807	0
11.3 Other than full-time permanent	708	749	755	755	0
11.5 Other personnel compensation	26,619	28,165	28,385	28,385	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	332,871	352,204	354,947	354,947	0
12 Civilian personnel benefits	134,921	142,757	143,868	143,868	0
13 Benefits for former personnel	248	262	264	264	0
21 Travel and transportation of persons	2,088	2,209	2,226	2,226	0
22 Transportation of things	4,007	4,239	4,272	4,272	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	13,578	14,366	14,478	14,478	0
23.2 Rental Payments to others	3,834	4,057	4,089	4,089	0
23.3 Communications, utilities and misc charges	11,455	12,120	12,215	12,215	0
24 Printing and reproduction	40	42	42	42	0
25.1 Advisory and assistance services	18,510	19,585	19,738	19,738	0
25.2 Other services from non-Federal sources	31,416	33,241	33,500	28,801	(4,699)
25.3 Other goods and services from Federal sources	3,452	3,653	3,681	3,681	0
25.4 Operation and maintenance of facilities	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 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	5,781	6,117	6,165	6,165	0
31 Equipment	2,337	2,472	2,492	2,492	0
32 Lands and structures	25	27	27	27	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	5,805	6,142	6,190	6,190	0
42 Insurance claims and indemnities	1	1	1	1	0
43 Interest and dividends	4	4	4	4	0
44 Refunds	0	0	0	0	0
99 Total Obligations	570,373	603,500	608,199	603,500	(4,699)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Dissemination

Goal Statement

The ability to communicate warnings and forecasts to the American public is essential to protecting property and saving lives. To be effective, NWS requires a scalable, robust, secure, 24 hours a day, 7 days a week operational dissemination infrastructure with a combination of on-premise and public cloud components, an optimized network that meets capacity requirements, and a sophisticated suite of communications systems to meet varied customer needs in a timely, reliable, and authoritative manner.

Base Program

The NWS transmits forecasts and warnings through the infrastructure provided by the Dissemination Activity. Dissemination maintains communication technology required by NWS to collect, tailor, and distribute data and products. The resilient Integrated Dissemination Program (IDP) infrastructure is an on-premise private cloud located in Boulder, CO, and College Park, MD. The IDP infrastructure collects and distributes watches, warnings, advisories, data, and products internally and externally. It provides information to multiple users in various formats including satellite broadcast and terrestrial (Earth-based) networks, internet, radio, and partner briefing webinars. The IDP infrastructure is the mission-critical communications hub that delivers information to different dissemination networks, such as to NWS offices, over the OneNWS Network, which connects NWS sites to each other and to partners, to the public with Wireless Emergency Alerts (WEA) through FEMA Integrated Public Alert and Warning System and requests for Emergency Alert System (EAS) activations through NOAA Weather Radio (NWR), and to emergency managers via the Emergency Managers Weather Information Network (EMWIN).

In FY 2027, NWS will continue divesting of on-premise IDP and transitioning the dissemination applications from on-premise IDP to the commercial cloud. NWS will also operationally deploy Weather.gov 2.0, providing the public with a mobile-first, cloud-native experience that ensures 99.9 percent uptime during life-threatening weather events. To ensure a Weather-Ready Nation and optimize the delivery of scalable and agile dissemination capabilities, the NWS organized the Dissemination Activity around infrastructure, networks, web services, and other warning-delivery services.

In general, activities in the Dissemination portfolio will:

- Operate NWS' information technology (IT) dissemination infrastructure and services;
- Maintain and support a scalable and geographically diverse redundant NWS dissemination architecture consistent with, and part of, the NOAA enterprise architecture;

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- Maintain a strategy to maximize effectiveness while minimizing cost;
- Maintain and operate NWS' dissemination system capabilities including IDP and NWS networks at 90 percent operational availability; and
- Sustain a support model for applications running in the public cloud.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

- Maintain existing Enterprise Geospatial and Web Services to accommodate data providers and users and increase data throughput via the DIS Cloud
- Execute approved and resourced Roadmap for future Weather Distribution Services to support a Weather-Ready Nation
- Manage IDP system usage, reliability, and resources
- Operate and maintain IDP applications 24x7
- Operate and maintain applications in the commercial cloud 24x7
- Operate and maintain water-related products and services
- Maintain operational support and maintenance of IDP on-premise private cloud infrastructure until all dissemination applications are transitioned to the commercial cloud
- Maintain operational support and maintenance of NWS Geostationary Weather Satellite Antenna System
- Maintain operational support for NWR telecommunications and transmitters
- Remove Internet Protocol Radio as a transmission method for NWR
- Deploy and operationalize [weather.gov](https://www.weather.gov) 2.0 and sunset legacy website
- Sustain operational capability of National Water Prediction Service (NWPS) and NWSSchat 2.0 on the DIS Cloud

Deliverables

- Maintain IDP and commercial cloud services at greater than 99 percent reliability
- Maintain NWR service at 96 percent availability
- Disseminate warning messages in fewer than 15 seconds
- Integrated enhanced weather data and web services operationally supported on IDP system and commercial cloud monitored 24/7
- 24x7 support of infrastructure and networking services

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(Dollar amounts in thousands)

- 24x7 support of NWS Global Information System Centers, GIS, and Web Services via the DIS Cloud
- Modernized telecommunications infrastructure capable of meeting the agency's mission

		<u>Explanation and Justification</u>					
		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos/BA	72	156,703	91	120,000	91	122,084
Dissemination	FTE/OBL	84	127,033	88	120,000	88	122,084

NWS operates and maintains critical infrastructure that enables NOAA to provide services to the Nation. NWS manages a distributed network of offices that span the United States and its territories, delivering essential NOAA services, especially those related to high impact events at the local level where critical, life-saving decisions are made. NWS manages all major weather observing systems from software engineering and communications to facilities and logistics planning. NWS also ensures worldwide acquisition and delivery of weather and water data through its private-cloud IDP systems, web and GIS services, public cloud services, and the OneNWS Network.

Dissemination maintains the following programs to accomplish this activity:

Dissemination IT Infrastructure and Virtualized Application Services within the IDP provides a scalable, robust, and secure dissemination IT infrastructure in two geographically diverse locations for NWS, NOAA, and Federal partners.

Terrestrial and Satellite Networking Services ensures NWS has the networking capacity and reliability to deliver critical weather data for internal and external partners. NWS operates and maintains critical terrestrial and satellite networking capabilities. With its updated IT infrastructure, NWS ensures adequate processing, delivery, and exploitation of new environmental satellite, model, and radar data. These terrestrial and satellite operational networks enable NWS to use new data to improve the accuracy and timeliness of weather warnings and forecasts.

Weather Information Distribution Services provides the capabilities to communicate weather-related warnings directly to

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(Dollar amounts in thousands)**

emergency managers and the American public. These services include providing NWS data and product access for international partners via the World Meteorological Organization Information Systems and the robust NWS Global Information System Centers.

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos./BA	91	122,084	91	120,000	0	(2,084)
Dissemination	FTE/OBL	88	122,084	88	120,000	0	(2,084)

Cost Savings from Copper Lines Transition (-\$2,084, 0 FTE/ 0 Positions) - This reduction reflects a cost savings associated with the change from copper to Enterprise Infrastructure Solutions (EIS), a decision that was made in FY 2026, and increases bandwidth capacity while achieving significant cost savings and cost avoidance. This decrease will preserve operations but will not allow for further investment in redundant circuits for any field offices with only a single-string infrastructure.

Schedule and Milestones

FY 2027 – FY 2031

- Optimize EIS network performance and maintain high-speed dissemination capabilities for life-saving weather and water data

Deliverables

- Maintain a high-availability network to ensure the uninterrupted flow of NWS products and data to the public and partners.

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(2,084)	(2,084)	(2,084)	(2,084)	(2,084)
Capitalized	(2,084)	(2,084)	(2,084)	(2,084)	(2,084)
Uncapitalized	0	0	0	0	0
Budget Authority	(2,084)	(2,084)	(2,084)	(2,084)	(2,084)
Outlays	(1,099)	(1,604)	(1,694)	(1,766)	(2,084)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Dissemination
Subactivity: Dissemination

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	11,949	11,287	11,483	11,483	0
11.3 Other than full-time permanent	12	11	11	11	0
11.5 Other personnel compensation	476	449	457	457	0
11.8 Total personnel compensation	0	0	0	0	0
11.9	12,436	11,747	11,952	11,952	0
12 Civilian personnel benefits	4,695	4,435	4,512	4,512	0
13 Benefits for former personnel	4	4	4	4	0
21 Travel and transportation of persons	190	180	183	183	0
22 Transportation of things	109	103	104	104	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	4,355	4,114	4,185	4,185	0
23.2 Rental Payments to others	5,605	5,294	5,386	5,386	0
23.3 Communications, utilities and misc charges	29,126	27,514	27,991	27,991	0
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	6,381	6,028	6,132	6,132	0
25.2 Other services from non-Federal sources	52,873	49,945	50,813	48,729	(2,084)
25.3 Other goods and services from Federal sources	1,393	1,316	1,339	1,339	0
25.4 Operation and maintenance of facilities	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 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	7,251	6,849	6,968	6,968	0
31 Equipment	1,523	1,438	1,463	1,463	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	1,091	1,031	1,049	1,049	0
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	2	2	2	2	0
44 Refunds	0	0	0	0	0
99 Total Obligations	127,033	120,000	122,084	120,000	(2,084)

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Activity: Science and Technology Integration

Goal Statement

NWS improves the overall quality of the environmental information needed to safeguard life and livelihoods by integrating new science and technology into its operations. By leveraging the entire weather enterprise including users, research communities, partner agencies, and industry, NWS' STI activity provides improved ensemble-based weather forecast guidance; leverages innovative artificial intelligence (AI) and machine learning (ML) technology for efficient operations and enhanced services; evaluates NWS products and services for improved service delivery; quantifies the economic value of NWS information; and effectively transitions knowledge and applications to operations for the Nation. Weather and Air Chemistry Research continually improves capabilities to provide more accurate and timely warnings and forecasts of various high-impact weather, water, and air quality events by prioritizing improvements in weather data observation, modeling, computing, forecasting, and warnings for the protection of life and property and for the enhancement of the national economy.

Base Program

STI supports targeted research and development efforts, improving a suite of forecast guidance models and post-processing, implementing AI/ML technologies efficiently and effectively to improve forecasts, alerts, and communications. With ongoing scientific advancements, STI also supports continuous workforce training and integrates the latest state of science into operations, to include economic and evaluation methodologies to ensure overall improvement on mission delivery. Demonstration and transition of groundbreaking research into operations (R2O) is a fundamental activity of this portfolio. NWS identifies and transfers innovative science into operational warnings, forecasts, stakeholder engagement, and decision support services, enabling the NWS vision to build a Weather-Ready Nation through improved products and probabilistic impact-based decision support services (IDSS).

Weather and Air Chemistry Research Programs support cooperation with external experts in weather and air chemistry research, improving predictions and warnings for the public and weather-sensitive U.S. industries with cutting-edge research, analysis techniques, and observing platforms.

NOAA's weather research activities are authorized under the *Weather Service Modernization Act* (Title VII, 15 U.S.C. § 313 note, §§ 701-709), the *National Oceanic and Atmospheric Administration Authorization Act* (Title I, § 108, 15 U.S.C. § 313 note), the *Weather Research and Forecasting Innovation Act* (15 U.S.C. § 8501), and the *National Integrated Drought Information System*

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Reauthorization Act (P.L. 115-423; 15 U.S.C. § 8511-8521).

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Schedule and Milestones

FY 2027 - FY 2031

- Test, demonstrate, and evaluate new science and service capabilities, such as Warn-on-Forecast and Seasonal Forecast System prototypes
- Routinely upgrade regional, global, hurricane, and air quality model, and National Blend of Models
- Improve weather model and post-processing guidance
- Demonstrate high-resolution large watershed modeling with nested hyper-resolution modeling over three regional areas
- Incrementally update Real-Time Mesoscale Analysis/Unrestricted Real-Time Mesoscale Analysis, Hurricane Analysis and Forecast System, Regional Wave Prediction System and the broader product suite based on customer requirements
- Develop an Agent Based Model for select riverine communities experiencing flooding
- Implement case study methodology to support Service Assessments and After-Action Reports to evaluate impacts of weather and weather services on communities
- Implement the Next Generation Probabilistic Guidance Suite, support adding incremental capability improvements to the NWS Connect system
- Fully migrate and integrate the Storm Events Database into a cloud environment with added functionality.
- Advance radar capabilities to better estimate precipitation in the cool season using dual polarization techniques in operational radar's Multi Radar Multi Sensor
- Complete annual competitive grant process for U.S. Weather Research Program-funded research and demonstration projects
- Facilitate knowledge sharing through the Earth Prediction Innovation Center (EPIC)
- Produce well-documented, cloud-friendly, performance-optimized code through EPIC by managing and documenting code, integrating code with other NOAA and community modeling efforts, and conducting performance optimization
- Conduct real-time demonstrations to evaluate the Experimental Hourly Wildfire Potential Index derived from the High Resolution Rapid Refresh model predictions of temperature, winds, and soil moisture conditions
- Develop and test AI capabilities, particularly generative AI, into modeling, forecasting, guidance, IDSS, public communications, and operational workflows to improve accuracy, efficiency, effectiveness and timeliness.
- UAS, aircraft interrogation, and MITRE wireless tech (5G/6G) data impact studies to evaluate operational forecast improvements to inform data buy investment decisions.

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- Demonstrate Model for Prediction Across Scales, AI/ML, and other modeling innovations in testbeds to support NOAA becoming the world leader in NWP
- Develop new guidance products to aid forecasters in better predicting high-impact weather events and supporting IDSS efforts
- Advance Air Quality and Fire Weather modeling research to increase forecast accuracy and protect public health
- Contribute to the Model for Prediction Across Scales Integration Project and Fire Weather Testbed to advance fire and smoke forecasts
- Complete annual competitive grant process to select U.S. Weather Research Program-funded research and demonstration projects
- Evaluate Advanced Technology Demonstrator as a proof-of-concept for phased array radar (PAR) to provide quality dual-polarization data
- Continue development of rotating planar PAR test plan
- Facilitate knowledge sharing through the Earth Prediction Innovation Center (EPIC) by hosting annual meetings, seminar series, summer institutes, and code sprints
- Produce well-documented, cloud-friendly, performance-optimized code through EPIC by managing and documenting code, integrating code with other NOAA and community modeling efforts, and conducting performance optimization
- Conduct real-time demonstrations to evaluate the Experimental Hourly Wildfire Potential Index derived from the High Resolution Rapid Refresh model predictions of temperature, winds, and soil moisture conditions

Deliverables

- Upgrades to operational global coupled earth system prediction systems, modeling infrastructure, operational regional and hurricane forecast systems, operational storm surge warning service products, and ozone and particulate prediction systems.
- Probabilistic hydrologic forecasts for assessing river level and flood risks
- Continuous improvements to operational forecast models with new or improved probabilistic forecast information
- Regular release of operational forecast systems to the research and development community through the UFS framework
- Transition of new and improved modeling techniques, evaluated by the Developmental Testbed Center and EPIC, and delivered to NWS for incorporation in the operational modeling suite
- Development and implementation of the next generation Joint Effort for Data assimilation Integration (JEDI) data assimilation infrastructure across operational modeling suite forecast systems
- Agile HPC environment with quicker operational transition of research and development efforts

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- Operational weekly, monthly and seasonal sea ice outlook guidance products for Arctic Ocean
- Forecaster applications of near real-time data products from research ocean remote sensing satellites
- Global operational coupled atmosphere-ocean-land-wave-sea ice prediction system extending today's operational weather outlooks from 16 days out to one year
- Improved forecasts provided to the Nation's critical infrastructure of space weather
- Improved public access to Federal water information
- Implement NWS Connect, including decision thresholds for specific weather events and communities
- Repository of post event case studies to evaluate impact of events and delivery of services.
- Transition Agent Based Model for use by local offices to support planning and preparedness of flooding events.
- Operational cloud based Storm Events Database to support verification and operations.
- Release EPIC community portal that integrates UFS code repository and dashboard, tutorials, and advanced user support
- AI/ML repository with AI-ready datasets to promote open development for AI-based numerical weather prediction models.
- Prototype PAR products available for transfer into NOAA operations - ensure the availability of Advanced Technology Demonstrator PAR data into the NOAA operational system in an experimental mode
- Initiate the report on the evaluation of the rotating PAR capability
- Release a fully functional web-based EPIC community portal that integrates Unified Forecast System code repository and dashboard, tutorials, and advanced user support
- Social science projects transitioned into application to enhance the value of tornado forecasts
- Reduced development time from research to operations
- Adoption of community-based modeling for Earth System Models
- Integrate AI into existing or new models, forecast products, guidance, IDSS, public communications, or operational workflows to improve accuracy, efficiency, effectiveness and timeliness.

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Science and Technology	Pos/BA	407	217,693	473	180,000	522	253,951
Integration	FTE/OBL	424	214,154	442	180,000	491	253,951

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In support of NOAA's operational forecasting mission, NWS researches and develops, improves, and monitors data assimilation systems and models of the atmosphere and oceans using advanced methods developed internally, as well as cooperatively with scientists from universities, NOAA laboratories, other government agencies, and the international scientific community.

STI maintains the following programs to accomplish this activity:

Weather-Ready Nation (WRN) is a nationwide initiative to build community resilience in the face of increasing vulnerability to extreme weather and water events. WRN empowers emergency managers, first responders, government officials, businesses, and the public to make faster, smarter decisions to save lives and protect livelihoods.

Operational Environmental Prediction Modeling Suite is the foundation for all warning, forecast, and decision support services. The Environmental Modeling Center develops, enhances, and maintains complex software systems for numerical weather, ocean, sea-ice, land, air quality, and coastal prediction, including data assimilation and post-processing, that span the globe from minutes to seasonal timescales. These forecast systems underpin all NOAA forecasts, warnings, and decision support service products.

Improving Effectiveness of Warning and Forecasts aims to accelerate the transition of advanced modeling, tools, and technology research into operations. This program is focused on improving warning and forecast lead times and accuracy of hazardous weather events associated with hurricanes, tornadoes, flash floods, and other severe weather hazards. The current focus is on Medium Range Weather / Sub-seasonal to Seasonal (days to months), Short Range Weather (hours to days), and Hurricane applications.

Hydrology and Water Resource Programs leverage NOAA partnerships to improve and integrate water resource prediction modeling capabilities. NWS' Hydrology Laboratory conducts research leading to the application of new scientific and computer technologies to hydrologic forecasting and related water resources problems. NWS transitions research into operational hydrologic and water resource forecasts to provide integrated decision support tools that offer a seamless suite of summit-to-sea forecasts.

Training Infrastructure is critical to preparing the current and future workforce for WRN. NWS uses a blended learning approach including online courses, webinars, and residence training. Implementation of these training initiatives requires new and enhanced methods and technologies for training development and delivery, taking into consideration adult learning principles and innovative technology such as simulations and on-demand training, integrated into applications and other systems.

Improve Operational Forecast Products and Services through a continuous infusion of science and technology. This is critical for improving services and ensuring the current and future workforce is prepared to meet the requirements of a WRN.

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Build Economic and Evaluation capabilities to understand weather impacts to communities so that the NWS can improve decisions-making, communication, and service delivery to fulfill its mission. In order to ensure a Weather Ready Nation through improved warnings, forecasts, and training, the Service Delivery Evaluation program provides a framework to evaluate and measure progress, understand impacts and outcomes over time, and to quantify the value of the NWS.

U.S. Weather Research Program works closely with federal agencies and entities, state and local governments, academia, and the private sector to develop and transition weather research. This is done through an annual competitive grant process where projects that show potential to improve knowledge about tropical cyclones, severe storms, extreme precipitation, air pollution, and subseasonal to seasonal outlooks are funded after a thorough peer-review process. The U.S. Weather Research Program, through social and behavioral science initiatives, also provides continuous improvements in understanding, communicating, and connecting the improvements of NOAA's weather forecast information to the public's growing forecast needs.

Tornado Severe Storm Research/Phased Array Radar NWS is working to couple weather forecast model information with dual-polarized radar observations to better determine the type and intensity of precipitation, and add the ability to classify hail size and detect tornado debris. Other radar research includes developing phased array radar, which can reduce the time to scan a weather system from 4-5 minutes to less than one minute, providing earlier weather predictions.

Joint Technology Transfer Initiative: The mission of JTTI is to ensure continuous development and transition of the latest weather technological advancements into NWS operations. This initiative is carried out in cooperation with the Weather Enterprise.

Earth Prediction Innovation Center is creating a true community global weather research modeling system that is accessible by the public and utilizes innovative strategies to host and manage the modeling system, leveraging existing NOAA resources to accelerate advances to the UFS.

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Science and Technology	Pos/BA	522	253,951	522	252,016	0	(1,935)
Integration	FTE/OBL	491	253,951	491	252,016	0	(1,935)

Reduce research grants related to streamflow and rainfall (-\$1,935, 0 FTE/ 0 Positions) - NWS will continue to fund the vast majority of projects supported by its cooperative research efforts, but will halt a small number of lower priority projects.

Schedule and Milestones

FY 2027 – FY 2031

- Maintain support for highest priority activities within available Research to Operations in Hydrology funding

Performance Measures

	2027	2028	2029	2030	2031
Number of grant awards					
With Decrease	34	34	34	34	34
Without Decrease	37	37	37	37	37
Outyear Costs:					
Direct Obligations	(1,935)	(1,935)	(1,935)	(1,935)	(1,935)
Capitalized	(1,935)	(1,935)	(1,935)	(1,935)	(1,935)
Uncapitalized	0	0	0	0	0
Budget Authority	(1,935)	(1,935)	(1,935)	(1,935)	(1,935)
Outlays	(1,180)	(1,722)	(1,818)	(1,896)	(1,935)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Science and Technology Integration
Subactivity: Science and Technology Integration

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1 Full-time permanent compensation	71,073	64,765	65,262	65,262	0
11.3 Other than full-time permanent	67	108	109	109	0
11.5 Other personnel compensation	2,460	2,169	2,185	2,185	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	73,600	67,042	67,557	67,557	0
12 Civilian personnel benefits	30,802	27,694	27,907	27,907	0
13 Benefits for former personnel	26	70	71	71	0
21 Travel and transportation of persons	47	423	426	426	0
22 Transportation of things	251	222	223	223	0
23 Rent, communications, and utilities	0	0	0		
23.1 Rental payments to GSA	7,777	6,819	6,871	6,871	0
23.2 Rental Payments to others	98	1,970	1,985	1,985	0
23.3 Communications, utilities and misc charges	1,197	1,006	1,014	1,014	0
24 Printing and reproduction	44	40	40	40	0
25.1 Advisory and assistance services	50,070	46,949	47,309	47,309	0
25.2 Other services from non-Federal sources	14,400	30,591	30,826	30,826	0
25.3 Other goods and services from Federal sources	4,204	3,774	3,803	3,803	0
25.4 Operation and maintenance of facilities	0	0	0	0	0
25.5 Research and development contracts	0	3,367	3,393	3,393	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	2,518	2,455	2,474	2,474	0
31 Equipment	1,030	4,746	4,782	4,782	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	28,086	54,846	55,267	53,332	(1,935)
42 Insurance claims and indemnities	0	0	0	0	0
43 Interest and dividends	2	2	2	2	0
44 Refunds	0	0	0	0	0
99 Total Obligations	214,154	252,016	253,951	252,016	(1,935)

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Activity: NWS Systems Acquisition
Subactivity: Observations

Goal Statement

The PAC Observations Subactivity supports the life cycle of all NWS observing system investments by providing technical solutions to meet NWS' operational observational requirements. Through these activities, NOAA conducts current observational capabilities, provides recapitalization of critical observational systems and components, and engineers technical solutions to address system obsolescence, and to meet evolving requirements and demands of systems.

Base Program

Observations is responsible for the collection of space, atmosphere, water, and climate observational data owned, leveraged, or purchased by NWS. Observations is also responsible for the development, acquisition and management of cost-effective observing technologies, hardware and software enhancements, maintenance and repairs, logistics, cost management, technical data verification, and life cycle replacements of NWS observational platforms.

Specifically, the funds in the PAC Observations Subactivity are used to:

- Extend the service life of NWS' observing systems networks;
- Address obsolete components by re-engineering and integrating new solutions;
- Conduct refresh of system components to maintain service availability;
- Migrate systems to current versions of software and networks.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

Next Generation Weather Radar (NEXRAD)

- Recapitalize test equipment
- Continue radome replacement
- Procure IT refresh of Radar Product Generator hardware and deploy software

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- Continue IT Refresh of radar network routers, servers, and IT devices
- Continue to migrate telecommunications to EIS

Automated Surface Observing System (ASOS)

- Continue deployment of Acquisition Control Unit (ACU) and Data Collection Package (DCP) upgrades
- Replace end-of-life sensors (e.g., visibility, ceilometers)

Weather Buoys and Coastal Marine Automated Network (C-MAN) stations

- Initiate refresh of at-risk weather buoys (e.g., platforms and sensors)

Upper Air

- Initiate refresh of end-of-life Automated Radiosonde Observation System (AROS)

Volunteer Observing Programs

- Initiate refresh of end-of-life sensors for Cooperative Observer Program
- Initiate communication upgrades for Voluntary Observing Ship network

Radar Next

- Conduct Acquisition Plan(s) Review

Deliverables

NEXRAD

- Re-engineer and integrate key IT hardware and system components to extend service life and maintain IT security controls.

ASOS

- Total refreshment of ACU-DCP enabling rapid sensor replacement, increased data flow, and remote maintenance capabilities
- New sensors to improve precipitation estimates and local weather conditions

Weather Buoys and C-MAN stations

- Refurbished marine and coastal observing network to support weather forecasting and marine transportation

Upper Air

- Continuity for upper air launch sites providing critical input to numerical weather prediction models

Cooperative Observer Programs

- Targeted refresh of critical observing sites providing climatological and oceanic data with modern equipment, increasing frequency and decreasing latency of data

EIS

- Modernized telecommunications infrastructure capable of meeting the agency's mission via EIS implementation

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Radar Next

- Acquisition plan(s) review in accordance with acquisition strategy report

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Observations	Pos/BA	2	36,200	4	16,200	4	16,200
	FTE/OBL	2	36,200	4	16,200	4	16,200

PAC Observations follows a portfolio management approach, wherein objectives are achieved through the prioritization of validated resource requirements and allocation of funds to those priorities. In this case, NWS prioritizes the refurbishment/extension of the useful life of NWS observational assets. Then, funds are allocated based on an evaluation of validated requirements, the impact of the observations to the NWS mission, the overall annual portfolio risk outlook, and costs.

Observation Systems Sustainment

Many of the NWS' observational systems are old and have reached, or are approaching, their end-of-life. Radar systems have thousands of components that continue to wear-out and/or become obsolete. In these cases, replacement components must be designed, engineered, and integrated - sometimes requiring a new manufacturer. Other observing systems face similar challenges - the weather buoy network requires a system refresh as well as new hulls and sensors to replace the current network which has been subject to many years in the harsh ocean environment. The upper air network of automated balloon launchers, a critical input to numerical weather prediction and medium range forecasts, are nearing the end of their life. Observations will have to work with the manufacturer to extend their useful life. The Cooperative Observer Program, the NWS' longest operating and oldest observation program, relies on equipment that is no longer supported by manufacturers and the support systems are nearing obsolescence.

NWS addresses these challenges in a systematic manner, based on system risk and observational impact. It will address obsolete components by re-engineering and integrating new solutions, updating hardware, software, and network components to maintain pace with industry standards, and identifying ways to operate and maintain systems more efficiently.

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Radar Next

NWS weather observations provide the foundation upon which the Nation's estimated \$12.4 billion weather industry is built. In addition, MITRE Corporation has estimated that current radar observations provide \$8.9 billion in annual economic benefit through reduced fatalities and injuries caused by tornadoes, severe winds, and flash floods as well as reduced aviation accidents and delays.¹ NOAA's NEXRAD is now over 30 years old and quickly approaching the end of its useful life. While the NEXRAD Service Life Extension Program extended the radar's lifespan, it did not address all the at-risk components within the system. Supply chain constraints and inflationary pressures continue to present risk to the availability of critical NEXRAD components and availability of the overall network. It is projected that the system will not meet its availability requirements by the mid-2030s, compromising the nation's weather radar capability which is vital for severe weather detection.

The Radar Next Program will design and deploy the next generation of weather surveillance radar technology to improve environmental data and products. This new generation of radars will provide critical atmospheric data enabling forecasters to improve the lead times and the accuracy of warnings for high-impact weather events. In addition, it will address the imminent gap in radar service, improve low elevation radar coverage for vulnerable areas. Per the Federal Acquisition Regulation (FAR) and Commerce Acquisition Regulation, NOAA is following a structured acquisition life cycle designed for major systems, focusing on rigorous planning, performance-based contracting, and, increasingly, agile methodologies. Key milestones include acquisition strategy approval, milestone decision reviews, contract awards, and performance-based management. Current notional Radar Next Program timelines estimate a phased implementation of the new system in the mid-2030s with full operational capabilities achieved by the early 2040s.

In FY 2027, NWS plans to continue migrating NEXRAD systems to EIS or other data transmission contract options; continue recapitalization of vital NEXRAD components; continue to purchase and deploy new ASOS sensors; continue system refresh and recapitalization efforts for the C-MAN stations and weather buoys; and recapitalize obsolete hydrogen generators to replace the need for scarce and expensive helium as a lifting gas for our weather balloons.

¹*Next Generation Weather Radar (NEXRAD) Societal Benefit Study*. Mahapatra, S., Spitaels, J., Bhatt, S. (2025). Mitre Corporation, Mitre technical report MTR250370. DOI: <https://doi.org/10.25923/6cz9-0h83>; <https://repository.library.noaa.gov/view/noaa/71986>.

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA		0	16,200	5	21,200	5	5,000
Observations	FTE/OBL	0	16,200	4	21,200	4	5,000

Radar Next Program (+\$5,000, +4 FTE/ +5 Positions) - NOAA requests an increase to continue efforts for the acquisition, integration, and implementation of a follow-on radar capability to provide continuity and meet emerging requirements for NOAA's most important observational system.

The current NEXRAD system is at risk of not being able to maintain a target availability of 96 percent in approximately 10 years based on risk factors such as the supply chain, and component repairability. Loss of this substantial weather radar network without a future alternative would impact weather readiness, leading to multiple radar outages that would cause significantly reduced severe storm and flash flood detection negatively impacting warning and advisory lead times.

NOAA has initiated the Radar Next Program to design and deploy the next generation of weather surveillance radar technology.

With this request, NWS will staff the Radar Next Program so it can continue the planning phase. Specifically in FY 2027, the program will complete the development of the detailed requirements, program cost estimate, and initiate the development of the numerous acquisition plans required to achieve DOC Milestone 2 approval in 2028. The acquisition plans include not only the radar system design, development and deployment requirements, but also the purchase and integration of commercial data, ML/AI, cloud computing, and technology advancement and improvements necessary to achieve an integrated weather intelligence solution.

15 U.S.C. § 313 mandates that the Secretary of Commerce must forecast the weather and issue storm warnings. The Radar Next Program enables this mandate to be achieved and supports the intent of the *Weather Research and Forecasting Innovation Act of 2017* (P.L. 115-25) as it will improve on the current NEXRAD performance, and coupled with data assimilation, will ensure the continued ability to identify severe weather and issue life-saving watches and warnings to the public.

Schedule and Milestones

FY 2027 – FY 2031

- Conduct Acquisition Plan(s) Review
- Achieve Key Decision Point-2 Solution Alternatives Identification

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(Dollar amounts in thousands)

- Conduct System Design Review
- Conduct Program Design Review
- Baseline cost, schedule, and requirements
- Brief and gain Milestone 2 approval from the DOC Management Review Board
- Prototype design, acquire, test and conduct final evaluation of multiple vendor solutions

Deliverables

- Acquisition plan(s) review in accordance with Acquisition strategy report
- Baselined requirements document
- Cost analysis requirements document
- CONOPS providing information on how the future state Radar Next system will function, how it will be supported, and how it will impact current state operations
- Independent Cost Analysis Report
- Baselined cost and schedule (Integrated Master Schedule)
- Initial risk reduction acquisition package
- Completed Prototype Solution Evaluation Report
- Draft acquisition package for Limited Rate Initial Production
- Purchase additional commercial radar data via the National Mesonet Program

Performance Measures

	2027	2028	2029	2030	2031
Completed Acquisition Plans					
With Increase	2	0	0	0	0
Without Increase	0	0	0	0	0
Outyear Costs:					
Direct Obligations	5,000	5,000	5,000	5,000	5,000

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(Dollar amounts in thousands)

Capitalized	0	0	0	0	0
Uncapitalized	5,000	5,000	5,000	5,000	5,000
Budget Authority	5,000	5,000	5,000	5,000	5,000
Outlays	3,050	4,450	4,700	4,900	5,000
FTE	4	4	4	4	4
Positions	5	5	5	5	5

Outyear Funding Estimates*

Radar Next	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	0	5,000	TBD	TBD	TBD	TBD	N/A	N/A
Total Request	20,500	21,200	TBD	TBD	TBD	TBD	TBD	TBD

* Outyears are not available at this time as the program has not undergone Milestone 2 review nor completed a program baseline. Future requests will be determined through the annual budget process.

** This excludes IRA Supplemental funding of \$9.910M provided in FY 2024 and FY 2025.

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PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Systems Acquisitions

Subactivity: Observations

Program Change: Radar Next Program

Title	Grade	Number	Annual Salary	Total Salaries	
Deputy Director (Sr. Physical Scientist)		15	1	176,970	176,970
Sr. Program Manager - Mat		15	1	185,824	185,824
Sr. Engineer		15	1	176,970	176,970
Engineer		14	2	150,454	300,908
Total			5		840,672
Less Lapse	25%		(1)		(210,168)
Total full time permanent (FTE)			4		630,504
2027 Pay Adjustment (0%)					0
					630,504
Personnel Data Summary					
Full-time Equivilant Employee (FTE)					
Full-time permanent			4		
Total FTE			4		
Authorized Positions					
Full-time permanent			5		
			5		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: NWS Systems Acquisition

Subactivity: Observations

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from	
					2027 Base	
11.1 Full-time permanent compensation	0	0	0	631	631	
11.3 Other than full-time permanent	0	0	0	0	0	
11.5 Other personnel compensation	0	0	0	0	0	
11.8 Special personnel services payments	0	0	0	0	0	
11.9 Total personnel compensation	0	0	0	631	631	
12 Civilian personnel benefits	0	0	0	252	252	
13 Benefits for former personnel	0	0	0	0	0	
21 Travel and transportation of persons	14	9	9	9	0	
22 Transportation of things	5	3	3	3	0	
23 Rent, communications, and utilities	0	0	0			
23.1 Rental payments to GSA	0	0	0	0	0	
23.2 Rental Payments to others	8	5	5	5	0	
23.3 Communications, utilities and misc charges	873	563	563	563	0	
24 Printing and reproduction	0	0	0	0	0	
25.1 Advisory and assistance services	5,413	3,492	3,492	3,492	0	
25.2 Other services from non-Federal sources	4,254	2,744	2,744	6,861	4,117	
25.3 Other goods and services from Federal sources	2	1	1	1	0	
25.4 Operation and maintenance of facilities	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 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	6,752	4,356	4,356	4,356	0	
31 Equipment	7,520	4,851	4,851	4,851	0	
32 Lands and structures	0	0	0	0	0	
33 Investments and loans	0	0	0	0	0	
41 Grants, subsidies and contributions	229	148	148	148	0	
42 Insurance claims and indemnities	43	28	28	28	0	
43 Interest and dividends	0	0	0	0	0	
44 Refunds	0	0	0	0	0	
99 Total Obligations	25,112	16,200	16,200	21,200	5,000	

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(Dollar amounts in thousands)

	2027 Base		2027 Estimate		Increase from 2027 Base	
	Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA	0	16,200	0	18,200	0	2,000
Observations FTE/OBL	0	16,200	0	18,200	0	2,000

Observations Recapitalization (+\$2,000, 0 FTE/ 0 Positions) - NOAA requests an increase in funding to sustain and modernize NWS' core observing systems networks. NWS prioritizes the refurbishment and extension of the useful life of NWS observational assets through a portfolio management approach and allocates funds based on an evaluation of validated requirements, the impact of the observations to the NWS mission, the overall annual portfolio risk outlook, and costs.

Over half of NWS major observing systems and capabilities are beyond or reaching end-of-life, and in turn threatening the accuracy and reliability of essential forecasts for air, land, and sea. This funding will enable crucial modernization across NWS's observing systems to ensure continuity of critical weather observing infrastructure and prevent extended outages of observing capabilities. NWS will leverage recurring PAC funding to address the recapitalization of our observing systems networks in a systematic manner, based on system risk and service impact.

Schedule and Milestones

FY 2027 – FY 2031

- Continue to execute marine weather observation network system refresh and recapitalization
- Build a five-year Satellite Readiness Plan

Deliverables

FY 2027 – FY 2031

- Deliver and begin to execute a Satellite Readiness Plan for future satellite missions
- Technology refresh and recapitalization of marine weather observing systems

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Performance Measures	2027	2028	2029	2030	2031
NWS Marine Observing Systems recapitalized (cumulative percentage)					
With Increase	3	10	17	26	36
Without Increase	2	8	13	18	24
Outyear Costs:					
Direct Obligations	2,000	2,000	2,000	2,000	2,000
Capitalized	2,000	2,000	2,000	2,000	2,000
Uncapitalized	0	0	0	0	0
Budget Authority	2,000	2,000	2,000	2,000	2,000
Outlays	1,220	1,780	1,880	1,960	2,000
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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Outyear Funding Estimates*

Observation Assets	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	0	2,000	2,000	2,000	2,000	2,000	N/A	N/A
Total Request	0	18,200	18,200	18,200	18,200	18,200	N/A	Recurring

*Outyears are estimates only. Future requests will be determined through the annual budget process

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Observations

Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
11.1 Full-time permanent compensation	0	0	0	0	0
11.3 Other than full-time permanent	0	0	0	0	0
11.5 Other personnel compensation	0	0	0	0	0
11.8 Special personnel services payments	0	0	0	0	0
11.9 Total personnel compensation	0	0	0	0	0
12 Civilian personnel benefits	0	0	0	0	0
13 Benefits for former personnel	0	0	0	0	0
21 Travel and transportation of persons	14	9	9	9	0
22 Transportation of things	5	3	3	3	0
23 Rent, communications, and utilities	0	0	0	0	0
23.1 Rental payments to GSA	0	0	0	0	0
23.2 Rental Payments to others	8	5	5	5	0
23.3 Communications, utilities and misc charges	873	563	563	563	0
24 Printing and reproduction	0	0	0	0	0
25.1 Advisory and assistance services	5,413	3,492	3,492	3,492	0
25.2 Other services from non-Federal sources	4,254	2,744	2,744	4,744	2,000
25.3 Other goods and services from Federal source	2	1	1	1	0
25.4 Operation and maintenance of facilities	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 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	6,752	4,356	4,356	4,356	0
31 Equipment	7,520	4,851	4,851	4,851	0
32 Lands and structures	0	0	0	0	0
33 Investments and loans	0	0	0	0	0
41 Grants, subsidies and contributions	229	148	148	148	0
42 Insurance claims and indemnities	43	28	28	28	0
43 Interest and dividends	0	0	0	0	0
44 Refunds	0	0	0	0	0
99 Total Obligations	25,112	16,200	16,200	18,200	2,000

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Activity: NWS Systems Acquisition
Subactivity: Central Processing

Goal Statement

The PAC Central Processing Subactivity ensures the uninterrupted flow of information from the collection of observations, to central guidance production, to local applications of all essential weather data products, and continuity of public watches and warnings.

Base Program

Central Processing is responsible for program and budget planning for the Weather and Climate Operational Supercomputing System (WCOS) and the Advanced Weather Interactive Processing System (AWIPS). Central Processing is also responsible for maintaining an optimum processing systems configuration and an enterprise architecture for processing systems to meet current and future NWS mission requirements, including the strategy for maximizing effectiveness while minimizing operating costs and coordination with the Office of Dissemination.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – 2031

- Provide operations and maintenance support for WCOS
- Provide operations and maintenance support for NOAA's R&D High Performance Computing system
- Phased implementation of new forecast tools and capabilities into AWIPS
- Complete redesign of software baseline for cloud-based AWIPS
- Award Phase II task order for enhanced WCOS capabilities

Deliverables

- Operational WCOS with full backup capability
- Production Suite On-Time Product Generation at 99 percent
- Sustained WCOS capacity at 14.5 petaflops, in each of the primary and backup systems
- New forecast tools and capabilities for impact-based decision support services / Weather-Ready Nation operations

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Explanation and Justification

	2025 Actual		2026 Enacted		2027 Base Program	
	Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA	14	67,892	28	68,000	28	68,000
Central Processing FTE/OBL	26	87,601	28	68,000	28	68,000

PAC Central Processing objectives are achieved through the following programs:

Weather and Climate Operational Supercomputing System (WCROSS) supports (a) weather forecasting capabilities 24 hours per day/seven days a week, (b) numerical environmental prediction model development and testing, and (c) dissemination of operational products using a wide area network. These products include national and global weather, water, and space weather guidance, forecasts, warnings and analyses to a broad range of users and partners including other NOAA programs, government agencies, military, and the general public.

WCROSS is composed of primary and backup operational supercomputing systems, storage resources, wide area network, support services, and developmental research and development computing systems. The primary system runs the NCEP production suite. The backup is used to thoroughly test new weather forecasting applications when it is not being used to run the production suite (during a backup system test or an actual emergency). The backup supercomputer system is capable of handling 100 percent of the operational workload should the primary supercomputer system be disrupted. In accordance with NOAA Critical Infrastructure Protection plans, implementation and maintenance of a redundant WCROSS architecture ensures uninterrupted flow of weather data and products, such as storm watch and warning services to the public. WCROSS also provides NWS access to developmental computing systems through the NOAA-wide enterprise Research and Development High Performance Computing System.

Advanced Weather Interactive Processing System (AWIPS) is an information processing, display, and telecommunications system that is the cornerstone of NWS field operations. AWIPS provides the following services:

- Integrates and displays radar, satellite, and other meteorological and hydrological data at NWS field offices;
- Acquires and processes data from sensors and local sources;
- Provides computational and display functions at the forecaster's desk;
- Provides an interactive communications system to interconnect NWS operational sites;
- Initiates the dissemination of weather and flood warnings and forecasts in a rapid and highly reliable manner; and,

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- Provides the communication interface for internal and external users of much of NOAA's real-time environmental data.

Sustained investments in the AWIPS hardware, communications, and software infrastructure, are necessary for integrating many other programs such as NEXRAD, and other weather radars, weather satellites, sensors, and instruments. NWS Government Performance and Results Act goals are based on the effective use of these technology investments along with advanced decision assistance tools, forecast preparation and advanced database capabilities. As the NWS continues to evolve toward an IDSS-based WRN, improvements to AWIPS technology will be needed to ensure NWS meteorologists and hydrologists have the necessary tools and technology. Continued AWIPS improvements produce increased performance in the Government Performance and Results Act (Pub. L.103-62) goals of Tornado Warning Lead Time, Flash Flood Warning Lead Time, and Winter Storm Warning Lead Time.

Outyear Funding Estimates:

Central Processing	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	0	0	0	0	0	N/A	N/A
Total Request	N/A	68,000	68,000	68,000	68,000	68,000	N/A	Recurring

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Activity: Systems Acquisition
Subactivity: Dissemination

Goal Statement

The advancement of the NOAA Weather Radio (NWR) Program is a life-saving mission critical component in the delivery of short-fused warnings and emergency messages for the American Public and near shore marine community. As commercial providers stop supporting copper lines, the NWS must migrate to current technologies. By FY 2027 NWS will complete the transition of NWR transmitter circuits from legacy copper to an Ethernet/Internet Protocol-based (wireless and /or satellite) to continue the delivery of time-sensitive warnings over NWR broadcasts.

The NOAA Integrated Dissemination Program (IDP) became operational in FY 2018, providing a reliable and scalable NWS on-premise private cloud (a dissemination infrastructure) to sustain 24 hours a day/seven days a week mission operations. To ensure IDP continues to function as intended, ongoing maintenance and support is necessary to keep both the hardware and software up to date and meeting current security requirements.

Base Program

To ensure a Weather-Ready Nation and optimize the delivery of scalable and agile dissemination capabilities, the PAC Dissemination Subactivity is organized around infrastructure, networks, web services, and warning dissemination services.

Funding within the PAC Dissemination Subactivity:

- Procures NWS' IT dissemination infrastructure and services;
- Closes NWS' dissemination requirements and gaps;
- Enhances and maintains NWS' dissemination system and application capabilities; and
- Develops a strategy to maximize effectiveness while minimizing cost.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

- Provide processing and storage resources to support a Weather Ready Nation

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- Conduct modest enhancements and cloud refactoring and optimization of existing dissemination applications and services
- Conduct modest annual refresh of Dissemination Infrastructure hardware
- Conduct enhancements of GIS and web services both on-premise private cloud and off-premise public cloud environments
- Replace legacy NWR copper circuits to an Ethernet/Internet Protocol-based solution (wireless and/or satellite) and NWR transmitter site monitoring equipment
- Begin the NWR Modernization project to be completed in FY 2026

Deliverables

- Improved reliability of enterprise GIS capabilities on the Dissemination Cloud Services
- Reliable infrastructure for NWS Dissemination services
- Continued reliability of NWR on updated Ethernet/Internet Protocol-based solutions

Explanation and Justification

	2025 Actual		2026 Enacted		2027 Base Program	
	Personnel	Amount	Personnel	Amount	Personnel	Amount
Pos/BA	0	9,880	1	10,000	1	10,000
Dissemination FTE/OBL	1	11,170	1	10,000	1	10,000

To achieve these goals, NWS manages the following programs:

NOAA Weather Radio

NWR provides the NWS with the capability to quickly disseminate severe and high impact weather warnings, watches and forecasts, and non-weather emergency messages to the public. In FY 2025, NWS accelerated its transition of NWR legacy technology to an Ethernet/Internet Protocol-based solution, which is planned to be completed in FY 2026. Further, NWS has continued to strengthen its partnership with FEMA to look for efficiencies in delivering both weather and non-weather emergency messages via NWR and FEMA's Integrated Public Alert and Warning System. This partnership ensures that messages from both the Federal Communication Commission-managed Emergency Activation System and Wireless Emergency Alerts are distributed appropriately.

Improve Dissemination Reliability Project

The improved dissemination reliability project mitigates risk to mission operations during severe weather events by enhancing

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capabilities to reduce single points of failure. Providing phased hardware refresh of the IDP architecture and modest enhancements and cloud refactoring and optimization to existing core applications on IDP ensures reliable delivery of NWS products to users and capitalizes on better observation data and prediction models to improve services.

Outyear Funding Estimates*

Dissemination	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	0	0	0	0	0	N/A	N/A
Total Request	N/A	10,000	10,000	10,000	10,000	10,000	N/A	Recurring

*Outyears are estimates. Future requests will be determined through the annual budget process.

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Activity: Systems Acquisition

Subactivity: Research Supercomputing

Goal Statement

Research Supercomputing provides sustained capabilities to the NOAA Research and Development (R&D) High-Performance Computing System (HPC), facilitating advancements in Earth system science and expediting the development of regional and sub-regional information products and services.

Base Program

NOAA's R&D HPC provides computational resources to support advances in environmental modeling crucial for understanding critical Earth system modeling issues. NOAA's environmental modeling enterprise underpins most of NOAA's products and services to the nation. NOAA's R&D HPC assets are part of the critical infrastructure required for NOAA to accomplish its mission. NOAA's R&D HPC supports the NOAA user base in the geospatial and ecosystems research communities across the agency. However, demand for HPC compute resources outweighs the supply currently. NOAA is exploring ways of mitigating this shortfall through other means such as cloud computing. NOAA currently has several pilots examining if cloud could be a possible solution to fill the supply and demand gap. Additionally, NOAA's research infrastructure is critical to enable significant advancements to improve observations for severe weather including fire weather, hurricanes, and flooding that eventually feed into observational forecasts.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 - FY 2031

- NOAA's environmental modeling applications able to utilize performance enhancements provided by fine-grained architecture
- Support high priority R&D HPC initiatives efforts to efficiently employ capacity and workflow adoption to cloud platforms
- Support high priority AI development projects

Deliverables

- Operate and fund R&D HPC systems and cloud platforms that maximize compute capacity within available resources

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Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Research	Pos/BA	0	0	0	0	4	45,000
Supercomputing	FTE/OBL	0	0	0	0	4	45,000

NOAA's R&D HPC provides computational resources to support advances in environmental modeling for mission-critical scientific and operational advancements that safeguard the public and support the economy. This investment includes the supercomputing systems, associated storage devices, advanced data communications, hardware and software engineering services, security, and necessary data center space. Decommissioning of Jet, the R&D HPC facility located at the David Skaggs Research Center in Boulder, Colorado, will be complete in FY 2026. NOAA currently operates three R&D HPCs, with two additional systems funded via contract:

- Gaea – Located at Oak Ridge National Laboratory in Oak Ridge, Tennessee, Gaea is primarily used for long-term climate and weather predictions and projections. Gaea enables scientists to better understand the relationship between the atmosphere's chemical makeup and climate as well as the ocean's role in climate.
- Hera – Located at NOAA Environmental Security Computing Center in Fairmont, West Virginia, Hera more than doubles the previous Theia system with a total capacity of 3.27 petaflops. It supports development of weather modeling across OAR and NWS to improve the prediction of high-impact weather events and evaluate potential future directions for models and data assimilation.
- Ursa – Located at NOAA Environmental Security Computing Center in Fairmont, West Virginia, Ursa is used for weather research and development including hurricane research.
- Rhea - Located at NOAA Environmental Security Computing Center in Fairmont, West Virginia, Rhea will strengthen NOAA's exploration and application of artificial intelligence and machine learning (AI/ML) capabilities. This will ultimately improve weather and ocean forecasting, ecosystem modeling, and the use of satellite Earth observations to enhance models.
- Hercules – Located at Mississippi State University in Starkville, Mississippi, Hercules is funded via a contract from NOAA. It provides increased resources for scientific research and greater opportunities for collaboration with the academic community.
- Orion – Located in Mississippi State University in Starkville, Mississippi, Orion is funded via a contract from NOAA. It provides increased resources for scientific research and greater opportunities for collaboration with the academic community.

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NOAA's R&D HPC also provides software engineering support and associated tools to modernize NOAA's applications to run efficiently on next generation fine-grain HPC architectures. Through a focused effort, engineers investigate and test new algorithms, train existing NOAA developers with new coding techniques, and assist these developers in accelerating the modernization of NOAA's applications. These software engineering efforts allow NOAA to take advantage of next-generation research computing technologies, but also help NOAA to more efficiently use its existing high-performance computing assets.

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		2027 Base	Amount	Personnel	Amount	Personnel	Amount
Research	Pos/BA	4	45,000	4	25,000	0	(20,000)
Supercomputing	FTE/OBL	4	45,000	4	25,000	0	(20,000)

Research Supercomputing Reduction (-\$20,000, 0 FTE/ 0 Positions) – NOAA will maintain its support for the highest-priority HPC research initiatives. NOAA will provide software engineering support and associated tools to re-architect its applications for optimal performance on next generation HPC architectures. NOAA will also support R&D HPC software engineering efforts to enhance capacity and utilization of cloud platforms. Furthermore, NOAA will prioritize its support for artificial intelligence (AI) development to improve its weather and ocean numerical models.

Schedule and Milestones:

FY 2027

- Support HPC initiatives to improve the accuracy of short-term warning and weather forecast systems and models; enable scientists to investigate long-lead time problems; accelerate modeling and simulation activities; and provide relevant decision support information that directly supports NOAA's mission to provide timely, accurate, and reliable weather information and predictions that safeguard life, property, and enhance the nation's economy
- Enhance cloud platform development tools for adoption, workflow, and scaling enhancements in transitioning models to commercial cloud providers in a cost-effective manner
- Provide a platform for investigation and utilization of new technologies related to HPC Cloud and AI/machine learning (ML)
- Support required hardware for high priority AI development projects

FY 2028 – FY 2031

- Maximize HPC capacity with available resources
- Continue supporting high priority R&D HPC initiatives efforts to efficiently employ capacity and workflow adoption to cloud platforms
- Continue to support high priority AI development projects

Deliverables:

- Reduce funding for HPC system and capacity acquisition

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	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	25,000	25,000	25,000	25,000	25,000
Capitalized	24,200	24,200	24,200	24,200	24,200
Uncapitalized	800	800	800	800	800
 Budget Authority	25,000	25,000	25,000	25,000	25,000
Outlays	8,500	20,500	23,250	24,750	25,000
FTE	4	4	4	4	4
Positions	4	4	4	4	4

Outyear Funding Estimates*

Research Supercomputing	2026 & Prior	2027	2028	2029	2030	2030	CTC	Total
Change from 2027 Base	N/A	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)	N/A	N/A
Total Request	N/A	25,000	25,000	25,000	25,000	25,000	N/A	Recurring

*Outyears are estimates. Future requests will be determined through the annual budget process

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Research Supercomputing

Object Class	2025 Actual	2026 Enacted	2027 Estimate	Decrease from 2026 Base
11.1 Full-time permanent compensation	0	0	612	0
11.3 Other than full-time permanent	0	0	0	0
11.5 Other personnel compensation	0	0	0	0
11.8 Special personnel services payments	0	0	0	0
11.9 Total personnel compensation	0	0	612	0
12 Civilian personnel benefits	0	0	188	0
13 Benefits for former personnel	0	0	0	0
21 Travel and transportation of persons	0	0	2	0
22 Transportation of things	0	0	0	0
23 Rent, communications, and utilities	0	0	0	0
23.1 Rental payments to GSA	0	0	467	0
23.2 Rental Payments to others	0	0	0	0
23.3 Communications, utilities and misc charges	0	0	487	0
24 Printing and reproduction	0	0	89	0
25.1 Advisory and assistance services	0	0	1,642	0
25.2 Other services from non-Federal sources	0	0	15,133	(10,690)
25.3 Other goods and services from Federal sources	0	0	22,908	(7,867)
25.4 Operation and maintenance of facilities	0	0	0	0
25.5 Research and development contracts	0	0	159	0
25.6 Medical care	0	0	0	0
25.7 Operation and maintenance of equipment	0	0	0	0
25.8 Subsistence and support of persons	0	0	0	0
26 Supplies and materials	0	0	776	0
31 Equipment	0	0	1,380	0
32 Lands and structures	0	0	0	0
33 Investments and loans	0	0	0	0
41 Grants, subsidies and contributions	0	0	1,157	(1,443)
42 Insurance claims and indemnities	0	0	0	0
43 Interest and dividends	0	0	0	0
44 Refunds	0	0	0	0
99 Total Obligations	0	0	45,000	(20,000)

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Activity: NWS Construction

Subactivity: Facilities Construction and Major Repairs

Goal Statement

The objective of the Construction activity is to construct and provide for major repairs and relocations to forecast offices and other government-owned and leased weather facilities.

Base Program

To support its mission, the NWS operates and maintains 122 Weather Forecast Offices (WFO), 13 River Forecast Centers (RFC), 17 Weather Service Offices (WSO) and associated employee housing units, and six National Centers. To support these facilities, the Facilities Construction & Major Repairs Subactivity is managed by NWS Office of Facilities.

The objectives of the Facilities Construction & Major Repairs activity are to:

- Upgrade, improve, and relocate NOAA's NWS Facilities;
- Maintain operational readiness by addressing construction and major component replacements, and real property disposals; and
- Maintain compliance with Federal law and national and local building codes.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 – FY 2031

- Design and build out tenant improvements for the relocation of up to seven operational sites
- Award contracts for highest priority repairs, replacements, and real property disposals

Deliverables

- Forced relocations addressed through new GSA leases
- Completed tenant improvements, construction, and relocation of operations
- Conducted necessary actions for real property disposals with available resources
- Completed construction and major component replacement projects with available resources

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(Dollar amounts in thousands)

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
	Pos/BA	1	9,625	1	10,000	1	10,000
NWS Construction	FTE/OBL	1	11,191	1	10,000	1	10,000

NWS facilities require extensive capital improvements to maintain operational readiness to support a Weather-Ready Nation. Immediate capital investments are required to address deficiencies in both leased and owned facilities including mission-critical infrastructure such as heating, ventilation, and air conditioning systems, emergency power generators, roofs, flooring systems, and uninterruptible power supply systems. This effort is essential to ensure the safety of the workforce and continuity of uninterrupted warnings, watches, and forecasts for local communities and for our partner agencies, such as the FAA and DoW. NWS relies on Facilities PAC funding to cover the costs of tenant improvements and move costs associated with forced office relocations resulting from the competitive procurement of new GSA leases.

NWS anticipates the following activities will be supported in FY 2027: NWS will complete the lease award and start design at WFO/RFC Slidell, New Orleans, LA, WFO/RFC Sacramento, CA, and WFO/RFC State College, PA; start the construction of new office for WFO Honolulu, HI; and will continue with the competitive lease procurement process for new office space at WFO Miami, FL. NWS will complete construction of the tenant improvements at WFO San Angelo, TX. NWS will complete the WSO Pago Pago Emergency Readiness project. NWS will continue to address the aging infrastructure of its headquarters building in Silver Spring, MD, and initiate the design for the Mission Control Center at NCWCP, College Park, MD. NWS will also continue to focus resources on lifecycle management of government owned assets to address life safety by awarding a contract for the Fire Alarm Modernization Project. Future projects include the remediation, demolition, disposal, and site restoration at Lake Hughes, CA; Grant's Pass, OR; Yap; Majuro; Guam; Miami, FL (RDA); St. Paul, AK; McGrath, AK; Kodiak, AK, Sterling, VA; and Utqiagvik, AK.

In FY 2027, as part of facilities lifecycle management, NWS will complete ongoing forced relocations, perform construction and repair projects, field requirements, continue real property disposals, and NWS headquarters infrastructure repairs.

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(Dollar amounts in thousands)

Outyear Funding Estimates*

NWS Construction	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	0	0	0	0	0	N/A	N/A
Total Request	N/A	10,000	10,000	10,000	10,000	10,000	N/A	Recurring

*Outyears are estimates. Future requests will be determined through the annual budget process.

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Executive Summary

NOAA requests a total of \$1,576,473,000 and 769 FTE/ 922 positions for the National Environmental Satellite, Data, and Information Service (NESDIS) for FY 2027, including a net decrease of \$94,988,000 and 25 FTE/ 25 positions in program changes.

NESDIS (<http://www.nesdis.noaa.gov/>) provides secure and timely access to global environmental data from satellites and other sources to enhance the Nation's economy, security, environment, and quality of life. NESDIS works in close coordination with its NOAA Line Office partners to help satisfy NOAA's weather and environmental mission service requirements. Information derived from the data that NESDIS collects and curates supports investments and resource utilization in the economy, including in the areas of agriculture, transportation, fisheries, energy, construction, emergency management, hazard mitigation, and other sectors.

NESDIS manages the Nation's civil operational environmental satellites, which constitutes the largest constellation of civil operational satellites in the world. These satellites are essential to NOAA's integrated observing system, which is the foundation of the environmental intelligence that NOAA provides. NESDIS maintains primary constellations of environmental satellites in the polar and geostationary orbits and in deep space at Lagrange point 1, directly along the sun-earth line. NESDIS also leverages Federal, partner, academic, and commercial data sources to develop and distribute products and information from NOAA to save lives and property and provide essential information to sustain and generate economic activity. NOAA satellite observations, along with partner and commercial observations, provide uninterrupted global coverage necessary for generating short-term and long-term weather forecasts. NESDIS is committed to the shared international effort to establish a global observing system that meets both the Nation's and the world's need for environmental intelligence. A fully implemented global observing system, which includes partnerships with multiple international contributors, delivers to the United States twice as much satellite data as we provide. This system yields increasingly accurate and reliable warnings of severe weather and other environmental events in the United States and all around the world.

Next Generation Architecture

Within the evolving weather and environmental data landscape, we are seeing an ever-increasing pace of technological advances (such as satellite and launch vehicle capabilities, artificial intelligence, high performance computing, and machine learning), which is opening access to space, increasing demand for timely integrated data and information, and advancing forecast modeling. NOAA is committed to leveraging the innovation and capabilities of the commercial industry to support weather forecasting, environmental monitoring, and space weather observations. In the development and operation of satellite programs, NOAA will adopt commercial best practices and technology where possible, working with industry partners. NOAA will also pursue expansion of data acquisition efforts to more fully utilize commercially available data where the data meet NOAA mission needs. To this end, NOAA proposes to rename the

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Systems/Services Architecture and Engineering Subactivity to the Commercial Services Subactivity to better reflect the alignment with key priorities and expansion of space-based commercial data acquisition activities.

NOAA's vision is to create an integrated, digital understanding of our Earth environment that will allow our citizens to adapt and thrive. This observing system will provide advanced, real-time data critical to saving lives and protecting property as well as powering increasingly sophisticated models that forecast weather patterns and environmental conditions, to provide our communities and users with information to manage their lives and investments into the future.

We envision a future observing system that will provide:

- A breadth of observations obtained from multiple viewpoints and organized into observation portfolios, including Low Earth Orbit (LEO), Geostationary Earth Orbit (GEO), and Space Weather Observations (SWO), where and when we need them to meet expected future demands.
- A system featuring a mixture of small, medium, and large satellites and instruments, including shorter development times, more frequent launches, and smaller and more capable instruments and satellites.
- A Common Ground Services approach to operate the evolving observing system, and integrate cloud capabilities to verify, calibrate, and fuse data into better products and services. This includes a flexible, scalable platform that enables secure ingest of partner data in different formats.
- A combination of assets, including NOAA-owned and managed, partner assets, commercial partnerships, and the purchase of commercial data.

As NESDIS continues to adapt to the evolving weather and environmental data landscape, endeavors will focus on LEO, GEO, and SWO capabilities as well as the provision of common ground services for the secure ingest of data. Together, these four areas constitute the pillars of NOAA's next-generation observing system.

NESDIS continues to adhere to and track the life cycle costs (LCCs) formulated in conjunction with the Department of Commerce for major satellite programs such as the Geostationary Operational Environmental Satellite – R Series (GOES-R Series), Polar Follow On (PFO), and Space Weather Follow On (SWFO).

The FY 2027 budget supports the current constellation and makes the critical investments necessary to maintain the development timelines for the most mature next generation satellite programs to expand delivery of essential weather, environmental, and space weather information to meet the needs of the Nation.

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Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$5,387,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for NESDIS activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration.

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Life cycle costs: The following tables provide the details of the total LCC of NOAA satellites that have a required base funding level of over \$250 million.

GOES-R Series LCC* (\$ in thousands):

GOES-R Series	2026 & Prior**	2027	2028*	2029*	2030*	2031*	CTC	Total
GOES-R Series LCC (PAC & ORF)	10,673,225	112,063	119,563	119,563	119,563	111,163	444,947	11,700,087
<i>Procurement, Acquisition, and Construction (PAC)</i>								
Total PAC	10,327,162	71,100	78,600	78,600	78,600	70,200	240,132	10,944,394
GOES-R Series	10,327,162	71,100	78,600	78,600	78,600	70,200	240,132	10,944,394
<i>Operations, Research, and Facilities (ORF)</i>								
Total ORF	346,063	40,963	40,963	40,963	40,963	40,963	204,815	755,693
Office of Satellite and Product Operations	271,963	33,553	33,553	33,553	33,553	33,553	167,765	607,493
Product Development, Readiness & Application	60,000	6,000	6,000	6,000	6,000	6,000	30,000	120,000
National Centers for Environmental Information	14,100	1,410	1,410	1,410	1,410	1,410	7,050	28,200

* Outyears are estimates. Future requests will be based on current needs and requirements. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted and any reductions for deobligations in prior enacted appropriations.

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GeoXO LCC* (\$ in thousands):

GeoXO	2026 & Prior**	2027*	2028*	2029*	2030*	2031	CTC	Total
GeoXO LCC (PAC & ORF)	1,725,243	500,000	513,000	526,000	539,000	552,000	7,586,574	11,941,817
<i>Procurement, Acquisition, and Construction (PAC)</i>								
Total PAC	1,725,243	500,000	513,000	526,000	539,000	552,000	7,586,574	11,941,817
GeoXO	1,725,243	500,000	513,000	526,000	539,000	552,000	7,586,574	11,941,817

* Outyears are estimates. Future requests will be based on current needs and requirements. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted as well as any reductions for deobligations in prior enacted appropriations.

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Polar Weather Satellites (PWS; JPSS and PFO) LCC* (\$ in thousands):

PWS		2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Total PWS (PAC & ORF)		14,429,010	352,160	425,000	375,000	375,000	375,000	1,828,855	18,160,025
JPSS LCC (PAC & ORF)^		11,322,125	-	-	-	-	-	-	11,322,125
PFO LCC (PAC & ORF)		3,106,885	352,160	425,000	375,000	375,000	375,000	1,828,855	6,837,900
<i>Procurement, Acquisition, and Construction (PAC)</i>									
Total PAC		14,069,850	277,370	350,210	300,210	300,210	300,210	1,305,325	16,903,385
Subactivity	Program								
Polar Weather Satellites	JPSS	11,014,355	-	-	-	-	-	-	11,014,355
	PFO	3,024,295	269,570	342,410	292,410	292,410	292,410	1,250,725	5,764,230
Common Ground Services	JPSS	23,400	-	-	-	-	-	-	23,400
	PFO	7,800	7,800	7,800	7,800	7,800	7,800	54,600	101,400
<i>Operations, Research, and Facilities (ORF)</i>									
Total ORF		359,160	74,790	74,790	74,790	74,790	74,790	523,530	1,256,640
Subactivity	Program								
Office of Satellite and Product Operations	JPSS	237,570	-	-	-	-	-	-	237,570
	PFO^	59,190	59,190	59,190	59,190	59,190	59,190	414,330	769,470
Product Development, Readiness and Application	JPSS	43,800	-	-	-	-	-	-	43,800
	PFO^	14,600	14,600	14,600	14,600	14,600	14,600	102,200	189,800
National Centers for Environmental Information	JPSS	3,000	-	-	-	-	-	-	3,000
	PFO^	1,000	1,000	1,000	1,000	1,000	1,000	7,000	13,000

* Outyears are estimates. Future requests will be based on current needs and requirements. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted and any reductions for deobligations in prior enacted appropriations.

^ The FY 2026 & Prior column for JPSS reflects cumulative costs for the JPSS program through FY 2025, which was the final year of the JPSS LCC.

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		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
Comparison by Subactivity		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE (NESDIS)											
Office of Satellite and Product Operations	Pos/BA	264	245,899	329	269,000	329	272,818	329	225,000	0	(47,818)
	FTE/OBL	257	242,770	280	269,000	280	272,818	280	225,000	0	(47,818)
Product Development, Readiness and Application	Pos/BA	52	62,137	70	59,000	70	59,762	70	43,500	0	(16,262)
	FTE/OBL	59	64,174	56	59,000	56	59,762	56	43,500	0	(16,262)
U.S. Group on Earth Observations	Pos/BA	0	0	0	500	0	500	0	500	0	0
	FTE/OBL	0	1	0	500	0	500	0	500	0	0
National Centers for Environmental Information	Pos/BA	126	76,035	185	69,000	185	69,807	185	52,000	0	(17,807)
	FTE/OBL	139	72,950	140	69,000	140	69,807	140	52,000	0	(17,807)
NOAA Community Project Funding/NOAA Special Projects	Pos/BA	0	7,250	0	375	0	375	0	0	0	(375)
	FTE/OBL	0	7,250	0	375	0	375	0	0	0	(375)
TOTAL NESDIS - ORF	Pos/BA	442	384,071	584	397,875	584	403,262	584	321,000	0	(82,262)
	FTE/OBL	455	387,145	476	397,875	476	403,262	476	321,000	0	(82,262)

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Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE (NESDIS)											
Geostationary Systems-R	Pos/BA	40	100,611	32	74,600	32	74,600	32	71,100	0	(3,500)
	FTE/OBL	26	114,086	32	74,600	32	74,600	32	71,100	0	(3,500)
Polar Weather Satellites	Pos/BA	55	272,989	56	290,000	56	290,000	56	269,570	0	(20,430)
	FTE/OBL	52	412,111	46	290,000	46	290,000	46	269,570	0	(20,430)
Space Weather Follow On	Pos/BA	22	40,961	0	0	0	0	0	0	0	0
	FTE/OBL	16	38,055	0	0	0	0	0	0	0	0
Common Ground Services	Pos/BA	63	92,062	78	90,000	78	90,000	78	90,353	0	353
	FTE/OBL	79	96,443	65	90,000	65	90,000	65	90,353	0	353
Geostationary Earth Orbit	Pos/BA	38	497,459	76	497,897	76	497,897	76	500,000	0	2,103
	FTE/OBL	57	491,268	71	497,897	71	497,897	71	500,000	0	2,103
Low Earth Orbit	Pos/BA	14	77,990	37	120,000	37	120,000	37	125,000	0	5,000
	FTE/OBL	16	42,475	34	120,000	34	120,000	34	125,000	0	5,000
Space Weather Next	Pos/BA	35	157,072	38	150,000	38	150,000	38	150,000	0	0
	FTE/OBL	42	249,214	29	150,000	29	150,000	29	150,000	0	0
Commercial Services	Pos/BA	36	92,062	46	43,252	46	43,252	21	47,000	(25)	3,748
	FTE/OBL	47	79,791	41	43,252	41	43,252	16	47,000	(25)	3,748
Satellite CDA Facility	Pos/BA	0	2,315	0	2,450	0	2,450	0	2,450	0	0
	FTE/OBL	1	2,103	0	2,450	0	2,450	0	2,450	0	0
TOTAL NESDIS - PAC	Pos/BA	303	1,333,521	363	1,268,199	363	1,268,199	338	1,255,473	(25)	(12,726)
	FTE/OBL	336	1,525,546	318	1,268,199	318	1,268,199	293	1,255,473	(25)	(12,726)
NESDIS Inflation Reduction Act (ORF)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	9	6,375	0	0	0	0	0	0	0	0
TOTAL NESDIS	Pos/BA	745	1,717,592	947	1,666,074	947	1,671,461	922	1,576,473	(25)	(94,988)
	FTE/OBL	800	1,919,066	794	1,666,074	794	1,671,461	769	1,576,473	(25)	(94,988)

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PROGRAM DECREASE FOR 2026
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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel Amount</u>		<u>Personnel Amount</u>		<u>Personnel</u>	<u>Amount</u>
NOAA Community							
Project Funding/	Pos./BA	0	375	0	0	0	(375)
NOAA Special	FTE/OBL	0	375	0	0	0	(375)
Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$375, 0 FTE/ 0 Positions) - This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

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Activity: Environmental Satellite Observing System

Goal Statement

NOAA manages operational environmental satellites and related ground systems to provide timely and accurate environmental data and products for forecasts and warnings to ensure the safety of U.S. citizens, public property, and infrastructure.

Base Program

NOAA's Environmental Satellite Observing Systems activity maintains and operates a system of polar-orbiting satellites which provides global imaging and sounding for medium and long-range weather forecasting crucial to numerical weather prediction models. It also maintains and operates a system of geostationary satellites to provide near-continuous environmental observations of the Earth's Western Hemisphere and supplies data and operational products to the public and decision-makers. NOAA's space weather satellite and instruments maintain the nation's real-time solar monitoring capabilities, which are critical to the accuracy and lead time of NOAA's space weather alerts and forecasts.

Statement of Operating Objectives

Office of Satellite and Product Operations: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

Product Development, Readiness, and Application: See the Program Changes for the proposed schedule, milestones, deliverables, performance goals, and measurement data.

**U.S. Group on Earth Observations:
Schedule and Milestones**

FY 2027 – FY 2031

- Increase U.S. leadership in the implementation of Group on Earth Observations (GEO) strategic goals, which align with U.S. interests, including furthering innovation in Earth observations through the GEO Work Programme, integration and advocacy for private sector participation in GEO activities, and strengthening public-private partnerships through participation in GEO programs and projects

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Deliverables

- Participation in major GEO meetings and activities to promote international engagement and coordination with stakeholders and outreach
- Leverage Americas Group on Earth Observations to advance the application of Earth observations, geospatial, and statistical data through flexible training options to gain required knowledge, skills, and abilities

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Explanation and Justification

Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Office of Satellite and Product Operations	Pos/BA	264	245,899	329	269,000	329	272,818
	FTE/OBL	257	242,770	280	269,000	280	272,818
Product Development, Readiness, and Application	Pos/BA	52	62,137	70	59,000	70	59,762
	FTE/OBL	59	64,174	56	59,000	56	59,762
U.S. Group on Earth Observations	Pos/BA	0	0	0	500	0	500
	FTE/OBL	0	1	0	500	0	500
Total Environmental Satellite Observing Systems	Pos/BA	316	308,036	399	328,500	399	333,080
	FTE/OBL	316	306,945	336	328,500	336	333,080

Office of Satellite and Product Operations (OSPO) (<http://www.ospo.noaa.gov/>): OSPO acquires and delivers accurate, timely, and reliable satellite observations and integrated products from NOAA-operated, commercially-acquired, and domestic and international non-NOAA satellites. OSPO provides support during launch, activation, and evaluation of new satellites and provides assessments of satellite and ground station anomalies.

OSPO manages and directs NOAA's command and control of the on-orbit satellites that supply the environmental data critical for developing weather and environment products used daily by Federal and state agencies, industry, and citizens across the Nation. OSPO works with NOAA's NWS to supply the satellite data that makes up over 90 percent of the information used in their numerical weather prediction models. OSPO also collects space weather data, which is used to protect the aviation and electric power industries, Global Positioning System, radio communications, and satellites.

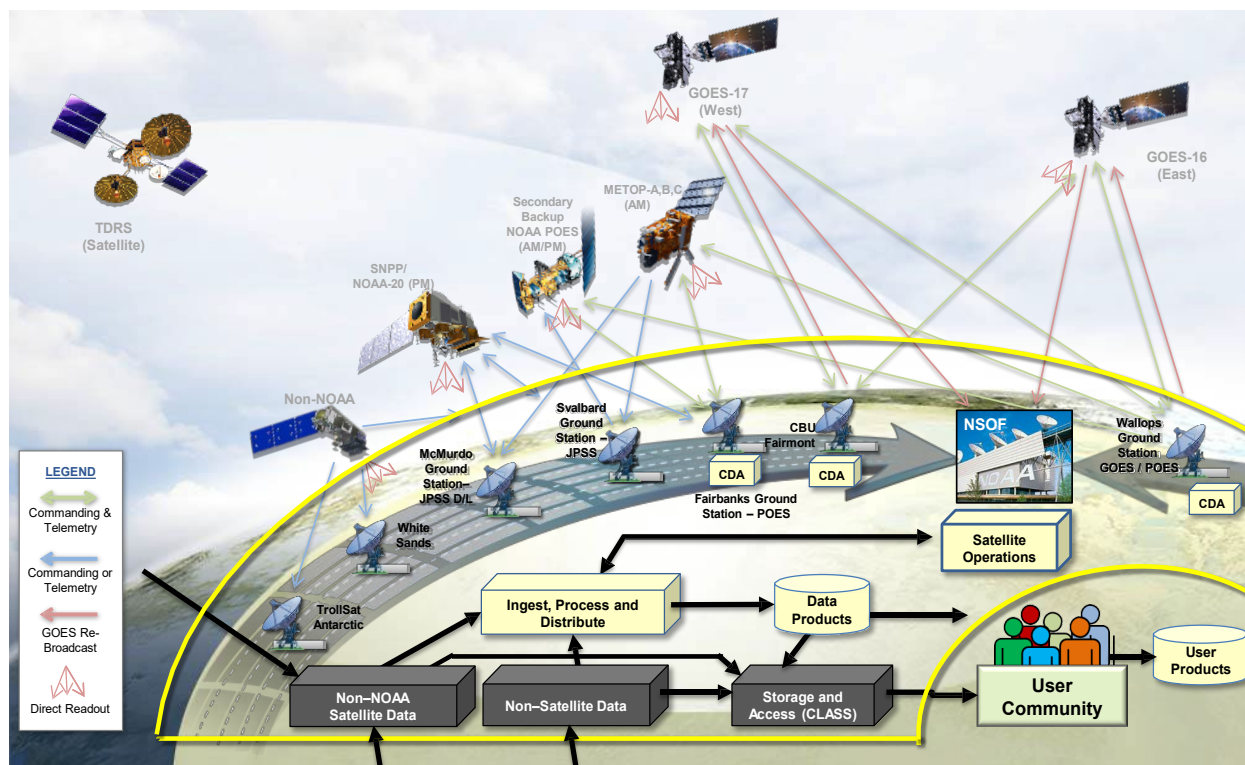
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OSPO Core Functions:

- Maintains and operates NOAA's polar-orbiting satellites systems, providing global imaging, and sounding for medium and long-range weather forecasting and climate analysis;
- Maintains and operates NOAA's geostationary satellites systems, providing near-continuous environmental observations of the Western Hemisphere that are critical for weather forecasting and severe storm tracking;
- Maintains and operates the Deep Space Climate Observatory (DSCOVR), providing real-time solar wind monitoring capabilities critical to the accuracy and lead time of NOAA's space weather alerts and forecasts;
- Sustains legacy ground systems through operations and maintenance activities that preserve functionality, reliability, and continuity of service;
- Performs on-orbit anomaly support for the Geostationary Operational Environmental Satellites-R Series (GOES-R Series), the Joint Polar Satellite System (JPSS), DSCOVR, Space Weather Follow On (SWFO) and Jason-3;
- Delivers satellite data and operational products to the public and decision-makers;
- Operates a Data Collection System service, providing continuous data relay services for multiple Federal and commercial users; and,
- Operates and maintains the U.S. Mission Control Center for the Search and Rescue Satellite Aided Tracking system.

In FY 2026, OSPO operated and supported 14 NOAA on-orbit satellites including: legacy GOES; JPSS; GOES-R Series; DSCOVR; Space Weather Observations at L1 to Advance Readiness-1 (SOLAR-1; formerly SWFO-L1); and Jason-3. Polar Operational Environmental Satellites (NOAA 15, NOAA-18 and NOAA-19) were decommissioned at the end of FY 2025. OSPO also operated and supported five U.S. Space Force satellites through reimbursable agreements, including three Defense Meteorological Satellite Program satellites and two Electro-optical/Infrared Weather System – Geostationary satellites. OSPO also operates the Search and Rescue Satellite Aided Tracking system through a reimbursable agreement with the U.S. Air Force and the U.S. Coast Guard. OSPO implements cybersecurity and vulnerability management across satellite ground systems to reduce operational risk, which ensures continuity of critical satellite data flow to key users such as NOAA's NWS.

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Maintaining the operations and data acquisition from NOAA and our partner satellites is a 24/7 process. OSPO manages and directs operation of the central ground facilities which ingest, process, and distribute environmental satellite data and derived products to users.

OSPO sustains NOAA's legacy ground systems through capability enhancements; periodic technology refresh, including hardware, software and IT security upgrades. OSPO currently sustains ground segments supporting the GOES, Jason-3, COSMIC-2, SWFO, and DSCOVR satellite constellations. OSPO also supports elements of the GOES-R Series and JPSS ground segments and sustains system antennas, which send and receive data to and from satellites.

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OSPO supports:

- The NOAA Satellite Operations Facility (NSOF) which conducts 24/7 environmental satellite operations and processes more than 30 terabytes of raw environmental satellite data daily from on-orbit Department of War, NOAA, and non-NOAA satellites;
- The Satellite Operations Control Center and Environmental Satellite Processing Center together serve as the operational link between satellites and users. The Satellite Operations Control Center provides command and control of on-orbit satellites while the Environmental Satellite Processing Center processes and disseminates environmental data. These functions are supported by the Command and Data Acquisition Stations at Wallops Island, Virginia; and Fairbanks, Alaska; a consolidated backup at Fairmont, West Virginia; and a data collection at McMurdo Station, Antarctica, and Svalbard Station, Norway. NOAA will decommission and vacate the Command and Data Acquisition Station located in Utqiagvik, Alaska, in FY 2027;
- The Comprehensive Large Array-data Stewardship System (CLASS), which serves as an electronic library of NOAA environmental data, providing long-term preservation and access to the data from observing systems (e.g., satellites, radar, and other ground observations);
- The GOES Data Collection System and Argos Data Collection and Location Systems, which collect and relay environmental data from remote and mobile platforms worldwide, support weather forecasting, hazard monitoring, and scientific research worldwide; and,
- The NOAA instruments on the Metop-B, Metop-C, and Sentinel-6 satellites by providing data processing and distribution of environmental data, as well as anomaly support.

Product Development, Readiness and Application (PDR&A) (<http://www.star.nesdis.noaa.gov/star/index.php>): PDR&A funds the core capabilities of the Center for Satellite Applications and Research (STAR) and post operational phase transition support for the GOES-R Series, Jason, JPSS, COSMIC-2, and POES and Metop legacy systems. Through these activities, STAR delivers value from the nation's satellites investments by generating accurate data, products, and information. Program funding supports the development and improvement of new satellite algorithms, coupled with essential calibration of sensors and validation of products. STAR also supports development, maintenance, and delivery of products derived from geostationary and low Earth observations to enable weather forecasting, severe storm tracking, and other natural hazard monitoring and response. STAR optimizes the value of data by leveraging existing space-based (agency and commercial) and field measurements, supporting national security applications, among others.

With these capabilities, PDR&A capitalizes on NOAA's investment in operational environmental satellites to:

- Perform sensor calibration and data validation from multi-platform satellites to ensure that accurate, precise, consistent, and usable data products are delivered to NOAA, federal, and commercial partners in order to advance the weather enterprise

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and grown the U.S. economy;

- Analyze sensor performance and promptly resolve anomalies to ensure the highest quality data is delivered to downstream users;
- Develop algorithms for multi-platform satellites to transform raw sensor output into usable data to be ingested into weather prediction models and natural hazard monitoring.

To further enable NOAA's mission through the usage of reliable, accurate, and consistent satellite data, PDR&A will:

- Collaborate across NOAA Line Offices to combine environmental satellite measurements with other available information to create fit-for-purpose blended data, products, applications, and services to meet NOAA missions, goals, and advance Earth science solutions;
- Utilize remote sensing solutions to supply critical, near real-time and retrospective satellite data and information products to enhance NOAA services that protect lives, property, ecosystems and livelihoods. This includes increasing lead times for severe weather and hazard warnings;
- Provide user support, training, and distribution services to enable easy access to and use of a wide range of products and services that protect lives and property and boost the economy;
- Identify capabilities needed in future satellites (public and commercial, domestic and international), including Observing System Simulation Experiments, to meet NOAA mission objectives and satisfy user needs, and support development through transition to operations of NOAA instruments and missions.

U.S. Group on Earth Observations (USGEO) (<https://usgeo.gov/>): USGEO is a subcommittee of the White House National Science and Technology Council, co-chaired by the Office of Science and Technology Policy, NASA, NOAA, and the U.S. Geological Survey. USGEO provides program resources to support the U.S. Group on Earth Observations and supports NOAA's participation as part of the U.S. membership in the international GEO organization. GEO is a partnership of 117 governments and more than 150 participating organizations and Associates from the public and private sectors at international, regional, and national levels with a mission to coordinate comprehensive and sustained Earth observations. The United States is a founding member of GEO, and NOAA serves as the United States Principal to GEO, a role that enables driving its strategic direction.

Environmental threats are among the great global challenges of our time, including disaster planning and enhancing resilience of all communities in the face of public health challenges, and stress on food systems and biodiversity. Integrated Earth observations from public and private sources, technological advances in the application of artificial intelligence and machine learning, cloud computing

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and data analytics are essential tools for addressing these challenges. NOAA works to maximize the impact of U.S. policy objectives through the partnerships developed in USGEO, by leveraging Federal agency technical expertise and the commitments, financial contributions, and capabilities of other nations and the private sector. USGEO fulfills legislative requirements to deliver a National Plan for Civil Earth Observations and its associated implementation plan. One of USGEO's objectives is to coordinate the United States' participation and representation to GEO. Specifically:

- Enhance international cooperation to enable more robust Earth observation architectures;
- Improve access to international data through global partnerships;
- Advance U.S. interests via strategic international engagement;
- Strengthen global and regional leadership through engagement in the intergovernmental GEO and advancement of its corresponding western hemisphere Regional GEO community, Americas Group on Earth Observations.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Office of Satellite and Product Operations	Pos./BA	329	272,818	329	225,000	0	(47,818)
	FTE/OBL	280	272,818	280	225,000	0	(47,818)

Streamlining of Satellite Operations (-\$47,818, 0 FTE/ 0 Positions) – This reduction is a result of the planned streamlining of operations, leveraging automation at the NOAA Satellite Operations Facility, as well as supporting a strategic shift towards leveraging capabilities in the private sector to outsource data operations through a government-owned, contractor-operated model, beginning with outsourcing GOES-R Series data operations. NOAA anticipates that this model will provide significant cost savings in the future.

Schedule and Milestones

FY 2027 – FY 2031

- 24/7 operations, engineering, collision, and anomaly support for NOAA geostationary, low Earth orbit, and space weather satellites; and backup operations for Sentinel-6 and Metop satellites
- Process and distribute environmental data from NOAA geostationary, low Earth orbit, and space weather satellites
- Maintain commercial and government owned satellite operation facilities at Suitland, Maryland; Wallops Island, Virginia; Fairbanks, Alaska; Fairmont, West Virginia; Svalbard, Norway

Deliverables

- Delivery of satellite data and products to users
- Transition oversight of mission operations services contract for NEON's QuickSounder to OSPO after completion of on-orbit testing
- Complete deorbiting activities for Suomi NPP
- Accept handover of JPSS-4 after successful on-orbit testing

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Performance Measures	2027	2028	2029	2030	2031
Percent of milestones completed on time					
With Decrease	90	90	90	90	90
Without Decrease	90	90	90	90	90
Outyear Costs:					
Direct Obligations	(47,818)	(47,818)	(47,818)	(47,818)	(47,818)
Capitalized	0	0	0	0	0
Uncapitalized	(47,818)	(47,818)	(47,818)	(47,818)	(47,818)
Budget Authority	(47,818)	(47,818)	(47,818)	(47,818)	(47,818)
Outlays	(26,169)	(42,558)	(44,949)	(46,862)	(47,818)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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(Direct Obligations amounts in thousands)

Activity: Environmental Satellite Observing Systems
Subactivity: Office of Satellite and Product Operations

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	34,681	38,163	38,260	38,260	0
11.3	Other than full-time permanent	218	218	218	218	0
11.5	Other personnel compensation	4,008	4,008	4,008	4,008	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	38,907	42,389	42,389	42,389	0
12	Civilian personnel benefits	11,681	12,717	12,905	12,905	0
13	Benefits for former personnel	422	422	422	422	0
21	Travel and transportation of persons	409	409	409	409	0
22	Transportation of things	18	18	18	18	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	11,469	11,469	11,469	11,469	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	3,426	3,426	3,426	3,426	0
24	Printing and reproduction	15	15	15	15	0
25.1	Advisory and assistance services	110,860	122,860	124,860	91,042	(33,818)
25.2	Other services from non-Federal sources	48,497	58,210	59,840	45,840	(14,000)
25.3	Other goods and services from Federal sources	13,127	13,127	13,127	13,127	0
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	105	105	105	105	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	1,255	1,255	1,255	1,255	0
31	Equipment	1,006	1,006	1,006	1,006	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	1,573	1,573	1,573	1,573	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	Total obligations	242,770	269,000	272,818	225,000	(47,818)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Product Development,	Pos./BA	70	59,762	70	43,500	0	(16,262)
Readiness and Application	FTE/OBL	56	59,762	56	43,500	0	(16,262)

Product Development, Readiness and Application Decrease (-\$16,262, 0 FTE/ 0 Positions) – With this reduction, satellite observations will continue to be transformed into actionable information through algorithm development, transitions to operations, and continued sensor calibrations and product validation, prioritizing weather forecasting, severe storm tracking, and other natural hazards monitoring and response for protection of life and property.

Schedule and Milestones

FY 2027 – FY 2031

- PFO mission pre- and post-launch calibration/validation, and transition to routine calibration/validation, algorithm development and maintenance, and anomaly resolution
- Maintain operations, routine calibration/validation, algorithm development, and anomaly resolution for GOES-R Series mission through planned lifetime
- Develop land, ocean, atmosphere, cryosphere, and radiance products that support NOAA's weather forecasting mission and transition them to sustained operations
- Conduct scientific research for operational product development using satellite remote sensing observations to support the weather enterprise

Deliverables

- Maintain algorithms and data product validation to translate raw data into useful products meeting quality requirements for PWS and GOES-R Series missions, Jason-3, Sentinel-6, Metop, COSMIC-2, commercial data streams, etc.
- Conduct pre-launch initial instrument calibration and product validation for satellites to be launched, and perform on-orbit sensor calibration and product validations for recently launched satellites
- Provide observing requirements inputs to future satellite sensor and mission studies and support their optimization for NOAA mission needs and subsequent development

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Performance Measures	2027	2028	2029	2030	2031
Number of NESDIS Enterprise algorithms supported					
With Decrease	85%	85%	90%	90%	90%
Without Decrease	95%	95%	95%	95%	95%
Number of Satellite Sensors Calibrated					
With Decrease	19	19	19	19	19
Without Decrease	25	25	25	25	25
Outyear Costs:					
Direct Obligations	(16,262)	(16,262)	(16,262)	(16,262)	(16,262)
Capitalized	0	0	0	0	0
Uncapitalized	(16,262)	(16,262)	(16,262)	(16,262)	(16,262)
Budget Authority	(16,262)	(16,262)	(16,262)	(16,262)	(16,262)
Outlays	(9,920)	(14,473)	(15,286)	(15,937)	(16,262)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: Environmental Satellite Observing Systems

Subactivity: Product Development, Readiness and Application

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	10,027	9,778	9,778	9,778	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	254	254	254	254	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	10,281	10,032	10,058	10,058	0
12	Civilian personnel benefits	3,728	3,010	3,070	3,070	0
13	Benefits for former personnel	259	259	259	259	0
21	Travel and transportation of persons	146	146	146	146	0
22	Transportation of things	3	3	3	3	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	2,932	2,932	2,932	2,932	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	35	35	35	35	0
24	Printing and reproduction	2	2	2	2	0
25.1	Advisory and assistance services	4,808	4,808	4,808	4,808	0
25.2	Other services from non-Federal sources	10,826	9,619	9,619	9,619	0
25.3	Other goods and services from Federal sources	848	848	848	848	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	17,010	14,010	14,686	5,686	(9,000)
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	28	28	28	28	0
31	Equipment	21	21	21	21	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	13,247	13,247	13,247	5,985	(7,262)
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	Total obligations	64,174	59,000	59,762	43,500	(16,262)

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Activity: National Centers for Environmental Information

Goal Statement

NOAA provides secure and enduring access to authoritative environmental data and products to support economic prosperity and secure the Nation's safety and livelihoods.

Base Program

NOAA's National Centers for Environmental Information (NCEI) is the Nation's leading authority for environmental information, an operational provider of data products and information services responsive to U.S. industry and policy requirements. It is responsible for preserving, hosting, and providing access to one of the most significant environmental archives on Earth, with comprehensive oceanic, coastal, atmospheric, and geophysical data and information, covering the depths of the ocean to the surface of the sun, spanning million-year-old sediment records to near real-time satellite data and images.

Statement of Operating Objectives

National Centers for Environmental Information: See the Program Changes for the proposed schedule, milestones, deliverables, performance goals and measurement data.

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Explanation and Justification

Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Centers for Environmental Information	Pos/BA	126	76,035	185	69,000	185	69,807
	FTE/OBL	139	72,950	140	69,000	140	69,807
Total National Centers for Environmental Information	Pos/BA	126	76,035	185	69,000	185	69,807
	FTE/OBL	139	72,950	140	69,000	140	69,807

NCEI serves as NOAA's authoritative archive for environmental data, managing and preserving data from ground, ocean, and space-based observation platforms that measure conditions from the bottom of the ocean to the surface of the sun. NCEI also provides online access to environmental datasets and products in easily used, understood, and accessible formats, serving more than 3.7 million unique, domestic website visitors annually. NCEI's data stewardship and archiving services provide trusted, authoritative, and open data that are foundational to decision making, and provides for the highest possible return on investments in NOAA's Earth observations by ensuring data and fundamental information products and data sets are accessible, integrated, discoverable, traceable, durable, and reusable. NCEI data holdings include forward-looking model output and include data going back millennia to the present day.

NCEI ingests raw observational and model environmental data from NOAA's observational platforms and partners, and calibrates, derives, and assembles data products and services that empower U.S. industry and inform policy. It hosts and provides access to over 70 petabytes (PB) of data (primary and secure copy), projected to increase annually by 8.5 PB in 2030. NCEI and CLASS work closely together, managing large volumes of data, to ensure long term preservation and access to critical data assets, such as current JPSS, GOES-R Series, space weather, and commercial data platforms as well as legacy data from Jason, POES, GOES, and other systems. While not funded by NCEI, the CLASS data repository is best situated at the enterprise level in the cloud to provide data to support essential ingest and archival storage infrastructure, which NCEI leverages to provide its stewardship and curation services. NCEI also hosts data from other NOAA offices, including the NWS Tsunami Warning Program, NOS National

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Geodetic Survey, NOS Coral Reef Program, NMFS Office of Science and Technology, and OMAO ships, aircraft, and uncrewed systems. In addition, NCEI provides a repository for partner data collectors that are integrated with NOAA data, such as in the World Ocean Database. NCEI is home to NOAA's National Center for Artificial Intelligence and works with NOAA offices and programs to support and promote wide use of AI to implement NOAA's mission.

Information provided by NCEI helps businesses and organizations across all sectors of the U.S. economy operate more efficiently, safely and economically sustainably. Demand for high-value environmental data and information has dramatically increased in recent years and is expected to continue doing so. In addition, NCEI information and expertise informs disaster decisions and declarations issued by the Department of Agriculture and the Department of Homeland Security, and various state, local, and tribal authorities, to inform effective response at the community level. Data stewardship is critical to realize the full value of the multi-billion-dollar investment NOAA makes in Earth system observations.

The data and access tools that NCEI provides are used in the public and private sectors throughout the U.S. economy including, but not limited to, agriculture, transportation, retail trade, energy and utilities, finance and insurance, health, coastal hazards, and water resources. Case studies that highlight specific products, use cases, and systems that rely on NCEI data to protect life and property, save money, and conserve natural resources can be found at <https://www.ncei.noaa.gov/about/our-impact>. NCEI's expertise, datasets, and nationwide presence supports state and Federal agencies, international partners, and industry. This includes programs with the Department of War, Department of Homeland Security, Department of Agriculture, Department of Transportation, and Department of State. NCEI's timely transition to the NESDIS Cloud Enterprise will support increasing public access to authoritative data sets and AI-ready data.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
National Centers for	Pos./BA	185	69,807	185	52,000	0	(17,807)
Environmental	FTE/OBL	140	69,807	140	52,000	0	(17,807)
Information							

National Centers for Environmental Information Decrease (-\$17,807, 0 FTE/ 0 Positions) – NOAA will continue the core mission of preserving, hosting, and providing access to its extensive environmental data archives. With this decrease, NOAA will reduce engagement services, tailored products, and eliminate the Regional Climate Services program. Resources will be prioritized for enhancing scientific data assembly, archiving and access capabilities, preparing data for AI applications to facilitate private sector use, and migrating data to the NESDIS Cloud Enterprise to improve data discoverability and usability. The improvement of core archive functions and migration to the NESDIS Cloud Enterprise will support NOAA's initiatives to unleash American prosperity through accelerated innovation in the weather and space enterprises. NCEI will also support data assembly hubs, in support of other NOAA Line Office objectives, through Coastal Data Development to grow the American maritime economy.

Schedule and Milestones:

FY 2027 – FY 2031

- Provide authoritative and actionable environmental data that informs future investments across sectors such as finance, agriculture, fisheries, transportation, energy, insurance, and manufacturing
- Provide access to environmental data and products for use in public- and private-sector decision-making earth ecosystem baselines, monitoring, and assessments
- Continue a strategic and prioritized transition of environmental data ingest, preservation, access, and use-inspired information/services to the NESDIS Cloud Enterprise to support the expected increase of archived data and provide scalability and facilitate transformation to analysis-ready information and ethical use by artificial intelligence and machine learning (AI/ML) tools

Deliverables:

- Provide ingest, quality control, assembly, archive and access services for NOAA and NOAA partners' environmental data and derived products, and promote increased availability of priority analysis-ready data for ethical AI/ML use

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- Maintain the Nation's archive of environmental information as well as international data holdings through the World Data System and leverages data portals and cloud services to maximize the availability and accessibility of official archived records
- Decommission on-premises information technology infrastructure commensurate with the successful transition of archive, access, and information production/service capabilities to the NESDIS Cloud Enterprise

Performance Measures	2027	2028	2029	2030	2031
Number of datasets fully transitioned to AI-ready formats (annually)					
With Decrease	2	2	2	2	2
Without Decrease	7	7	7	7	7
PB of data ingested into the archive					
With Decrease	2.5PB	2.5PB	2.5PB	2.5PB	2.5PB
Without Decrease	3.7PB	3.9PB	4.1PB	4.3PB	4.5PB
Outyear Costs:					
Direct Obligations	(17,807)	(17,807)	(17,807)	(17,807)	(17,807)
Capitalized	0	0	0	0	0
Uncapitalized	(17,807)	(17,807)	(17,807)	(17,807)	(17,807)
Budget Authority	(17,807)	(17,807)	(17,807)	(17,807)	(17,807)
Outlays	(10,862)	(15,848)	(16,739)	(17,451)	(17,807)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Dollar amounts in thousands)

Activity: National Centers for Environmental Information

Subactivity: National Centers for Environmental Information

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	19,802	20,386	20,437	20,437	0
11.3	Other than full-time permanent	134	134	134	134	0
11.5	Other personnel compensation	641	641	641	641	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	20,577	21,161	21,212	21,212	0
12	Civilian personnel benefits	7,358	8,556	8,675	8,675	0
13	Benefits for former personnel	864	864	864	864	0
21	Travel and transportation of persons	362	362	362	362	0
22	Transportation of things	52	52	52	52	0
23	Rent, communications, and utilities	275	275	275	275	0
23.1	Rental payments to GSA	60	61	61	61	0
23.2	Rental Payments to others	655	668	668	668	0
23.3	Communications, utilities and misc charges	275	275	275	275	0
24	Printing and reproduction	60	61	61	61	0
25.1	Advisory and assistance services	23,121	17,373	18,010	6,970	(11,040)
25.2	Other services from non-Federal sources	9,218	9,218	9,218	2,451	(6,767)
25.3	Other goods and services from Federal	821	821	821	821	0
25.4	Operation and maintenance of facilities	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 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	72	72	72	72	0
31	Equipment	410	410	410	410	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	8,771	8,771	8,771	8,771	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	Total obligations	72,950	69,000	69,807	52,000	(17,807)

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Activity: Systems Acquisition

Goal Statement

Systems Acquisition: NOAA's satellite portfolio provides the backbone for the operational data products that support NOAA's work related to weather, oceans, coasts, and ecosystems. NOAA satellite data drives critical decision-making, impacts national security, and numerous sectors of the economy including agriculture, transportation, energy, construction, infrastructure, emergency management, and hazard mitigation.

Base Program

Systems Acquisition: NOAA maintains three portfolios of environmental satellites and data acquisition that produce crucial sets of observations: low-earth orbiting, geostationary, and space weather. Systems Acquisition includes flight, ground, and architecture planning, risk reduction, and development activities. System Acquisition enables NOAA satellite programs to continue to meet milestones, as well as to plan for future programs and comprehensive engineering solutions. Detailed operating objectives for each Subactivity are described below.

Statement of Operating Objectives

Systems Acquisition:

Geostationary Systems - R: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

Polar Weather Satellites: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

Common Ground Services: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

Geostationary Earth Orbit: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

Low Earth Orbit: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement

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data, and the budget profile.

**Space Weather Next:
Schedule and Milestones**

FY 2027 – FY 2031

- Space weather Observations at L1 for Advanced Readiness (SOLAR-A) launch and post launch checkout and calibration activities

Deliverables

- Launch of SOLAR-A satellite

Outyear Funding Estimates*

Space Weather Next (SW Next)	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	0	TBD	TBD	TBD	TBD	N/A	N/A
Total SW Next Request#	664,974	150,000	TBD	TBD	TBD	TBD	TBD	TBD

* Outyears are estimates. Future requests will be determined through the annual budget process and informed by the various studies as the program moves through the formulation process.

** The FY 2026 & Prior column accounts for FY 2025 Actuals and FY 2026 Enacted, as well as any reductions for deobligations of prior enacted appropriations.

SW Next includes \$6.6 million transferred from the Projects, Planning, and Analysis PPA in the FY 2023 Enactment, formerly referred to as SWO Base.



L1 Magnetic Field and Solar Wind Velocity

Solar Coronal Imagery

X-Ray Irradiance
(EXIS)

Key

90% probability that satellite meets threshold requirement

In-orbit checkout	In-orbit, operational and $\geq 80\%$ probability meets threshold requirement	GCE DSC
In-orbit, operational and 85-90% probability meets threshold requirement		
In-orbit storage		
Planned mission life		
Planned in-orbit checkout		

Click a satellite's name for the current status. As of March 2026

Calendar Year	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44		
Fiscal Year	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43			

Operational satellite extended life estimates (indicated by an arrow) are based on July 2025 reliability analyses (80% confidence) for satellites in orbit for at least one year.

*Includes both instrument and satellite bus reliability with design life specification

GOES: Geostationary Operational Environmental Satellites
DISCOVER: Deep Space Climate Observatory

Approved: Irene Parker
Assistant Administrator for
Satellite and Information Services (Acting)

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Commercial Services: See the Program Change for the proposed schedule, milestones, deliverables, performance goals and measurement data, and the budget profile.

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Explanation and Justification

Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Geostationary Systems-R	Pos/BA	40	100,611	32	74,600	32	74,600
	FTE/OBL	26	114,086	32	74,600	32	74,600
Polar Weather Satellites	Pos/BA	55	272,989	56	290,000	56	290,000
	FTE/OBL	52	412,111	46	290,000	46	290,000
Space Weather Follow On	Pos/BA	22	40,961	0	0	0	0
	FTE/OBL	16	38,055	0	0	0	0
Common Ground Services	Pos/BA	63	92,062	78	90,000	78	90,000
	FTE/OBL	79	96,443	65	90,000	65	90,000
Geostationary Earth Orbit	Pos/BA	38	497,459	76	497,897	76	497,897
	FTE/OBL	57	491,268	71	497,897	71	497,897
Low Earth Orbit	Pos/BA	14	77,990	37	120,000	37	120,000
	FTE/OBL	16	42,475	34	120,000	34	120,000
Space Weather Next	Pos/BA	35	157,072	38	150,000	38	150,000
	FTE/OBL	42	249,214	29	150,000	29	150,000
Commercial Services	Pos/BA	36	92,062	46	43,252	46	43,252
	FTE/OBL	47	79,791	41	43,252	41	43,252
Total NESDIS Systems Acquisition	Pos/BA	303	1,331,206	363	1,265,749	363	1,265,749
	FTE/OBL	335	1,523,443	318	1,265,749	318	1,265,749

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Systems Acquisition

Geostationary Earth Orbit Observations: NOAA's geostationary observations contribute to weather forecast models and drive short-term weather forecasts, severe weather warnings, and monitoring of hazards such as lightning, fire hot spots, and volcanic eruptions. These observations are the only continuous observations of the Western Hemisphere and provide low latency images of hurricanes, wildfires, and other severe weather in motion. Geostationary observations allow NOAA forecasters to assess rapidly-changing storm conditions and operate with real-time situational awareness that facilitates the issuance of timely and accurate warnings that save lives and protect property.

NOAA's geostationary observational capability is derived from two programs:

- **Geostationary Operational Environmental Satellites – R (GOES-R) Series:** The GOES-R Series is a four-satellite program that provides advanced imagery and atmospheric measurements of Earth's weather, oceans and environment, real-time mapping of lightning activity, and improved monitoring of solar activity and space weather. Observations from these satellites provide coverage of the western hemisphere from a geostationary orbit, allowing continuous monitoring of severe storms, tropical cyclones, volcanic eruptions, fire hot spots, cloud and atmospheric moisture changes, lightning, ocean current flow dynamics, and atmospheric smoke and dust. Observations from GOES-R Series space weather instruments enable NWS's Space Weather Prediction Center to significantly improve space weather forecasts and provide early warning of possible impacts to the Earth's space environment and potentially disruptive events on the ground. These satellites deliver critical real-time data and information needed for sound decision making and work with global partners.

The GOES program, which has provided essential observational data since 1975, supports NOAA's NWS in forecasting, tracking, and monitoring severe storms. The GOES-R Series satellites provide significant enhancements over legacy satellites for its operational users.

Products derived from these data are improved through more frequent imagery, a fourfold increase in spatial resolution, more spectral bands for inferring cloud properties, and lightning mapping. The increased quantity, quality, and accuracy of GOES-R Series data have enabled NWS to issue more timely and accurate weather watches, warnings, and advisories to the public,



Artist rendering of GOES-R Series satellite (Credit: NASA)

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protecting life and property. The GOES-R Series will continue to support ground system sustainment, cloud migration, and on-orbit anomalies to ensure successful operations through the end of the program in 2036.

GOES-U, the last satellite in the series, launched on June 25, 2024, and became GOES-19 when it reached geostationary orbit on July 7, 2024. GOES-19 replaced GOES-16 as GOES East on April 7, 2025, and GOES-16 moved into on-orbit storage. NOAA's approach of maintaining two operational geostationary satellites with on-orbit spares ensures uninterrupted coverage of the Western Hemisphere and is critical to the transition from the GOES-R Series to the next generation of geostationary satellites.

- **Geostationary Extended Observations (GeoXO):** NOAA's GeoXO satellite program will continue the GOES-R Series mission as a follow-on four-satellite program and serve as the next generation of space-based severe weather monitoring observatories. GeoXO will provide sustained, continuous observations from geostationary orbit to meet NOAA weather mission requirements. These observations are essential to weather forecasting and severe storm watches, alerts, and warnings. NOAA is working to ensure these critical observations are in place by the early 2030s as the GOES-R Series nears the end of its operational lifetime.

The GeoXO constellation will include imagers and a new hyperspectral sounder for short-range (0-3 days) forecasting, severe weather warnings, and hazardous conditions.

The configuration of the four-satellite constellation will include two series of two satellites in the GOES East and West positions. NOAA has contracts in place for instrument and spacecraft elements and is in the process of transitioning from cost-plus to firm-fixed-price contracts. NOAA will continue efforts to advance a more agile, efficient, and cost-effective satellite mission.

The first GeoXO satellite will host an ABI. This satellite is being designed to launch in 2032 in order to avoid an observation continuity gap between the GOES-R Series and GeoXO that would impair weather forecasts and real-time monitoring of severe storms. Imagers on the subsequent GeoXO satellites are being designed to provide enhanced observation and forecasting capabilities beyond ABI, including higher spatial resolution imagery and additional spectral channels for water vapor detection. GeoXO satellites will also introduce a hyperspectral infrared sounder capable of measuring the vertical distribution of atmospheric temperature and water vapor. This sounder will increase availability of real-time atmospheric data to support weather modeling, nowcasting, and localized forecasts.

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The enhanced capabilities of the GeoXO constellation compared to the GOES-R Series is intended to significantly improve weather forecasting and severe weather and storm warnings. Observations from GeoXO will provide vital data to complement those from NOAA partners in Europe and Asia, providing a global observing system. These improvements have been long sought by the NWS and the Weather Enterprise¹ to provide more precise data that would improve weather forecasts and the ability to save lives, property, and safeguard the national economy. The space weather instruments on the GOES-R Series will not be continued on GeoXO. The most essential of these observations will continue to be supported on other future satellite missions.

Low Earth Orbit Observations: NOAA's low Earth orbit (LEO) observational capability is managed by the Office of Low Earth Orbit Observations (LEO Observations). Data from LEO polar orbiting satellites are the backbone of global numerical weather prediction (NWP) models,² providing 85 percent of all data ingested into NWS models. These satellites can also aid in detecting and monitoring hazards such as fires, droughts, floods, poor air quality, coral bleaching events, and unsafe coastal waters due to harmful algal blooms and hypoxia. LEO Observations programs deliver both mission-specific data products and source-agnostic enterprise products and services. The programs support efforts to optimize mission impact by partnering with users in a testbed environment to assess new observations or products and facilitate user readiness. Program activities also include ground system development and sustainment for LEO observations.

LEO Observations programs respond to Congressional direction to improve weather forecast and prediction capabilities, consistent with the *Weather Research and Forecasting Innovation Act of 2017*, as amended (15 U.S.C. § 111). A resilient constellation of LEO satellites that are capable of rapid deployment to mitigate the risk of on-orbit failures is essential for improving life-saving weather forecasts and warnings.

In addition to acquiring new government-owned observing assets, the LEO Observations programs will support partnerships with other U.S. agencies, foreign governments, and private industry to provide critical LEO, and potential medium Earth orbit observations, measurements and services. These efforts will improve NOAA's weather and environmental forecast capabilities. The investments made will evolve NESDIS' current architecture toward a more distributed system, including greater use of small and medium-sized satellites, hosted payloads on commercial platforms, commercial data buys, and an increased number of partnerships

¹ Geostationary Extended Observations (GeoXO) Hyperspectral InfraRed Sounder Value Assessment Report, 2021. DOI: <https://doi.org/10.25923/7zvz-fv26>

² Includes satellite data provided by NOAA and partner LEO and GEO satellites and commercial satellite data. National Weather Service: www.nco.ncep.noaa.gov/sib/counts/April_2023.html

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with domestic and foreign space agencies. NOAA will continue to leverage emerging opportunities, new innovations, and scientific advancements within the commercial space industry as they become available.

NOAA's LEO observational capability is derived from multiple programs:

- **Polar Weather Satellites (PWS):** PWS provides global meteorological observations to enable short-range (0-3 days), and mid-range (3-7 days) forecasts and warnings of severe weather events. Emergency managers and communities rely on PWS data to make timely decisions to protect life and property. PWS also provides an array of global observations for numerous environmental phenomena that support and supplement seasonal monitoring and weather forecasting. Data and imagery from PWS improve the timeliness, accuracy, and cost effectiveness of public weather warnings and forecasts, including:
 - Operational and short-term forecasts at high northern latitudes, in places such as Alaska, where observations from geostationary satellites are more challenging;
 - Severe storm and flood warnings;
 - Tropical cyclone and hurricane warnings;
 - Hydrologic forecasts;
 - Ocean surface temperature, ocean color for ocean monitoring (e.g., reef conditions, harmful algal bloom warnings)
 - Aviation forecasts (domestic, military, and international);
 - Ice monitoring and forecasting;
 - Ozone monitoring;
 - Environmental air quality monitoring;
 - Detection and analysis of wildfires and smoke, and volcanic eruptions including volcanic ash warnings for aviation safety;
 - Short-term and mesoscale forecasts



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PWS supports international partnerships with European and Japanese space agencies for operational civilian polar-orbiting satellites. These satellites provide the primary input data for all NWP models, with polar satellites contributing approximately 85 percent of all data for NWP models.³

PWS includes five satellites: the NOAA/NASA Suomi National Polar-orbiting Partnership (Suomi NPP) scheduled for deorbiting in FY 2027; the currently-flying NOAA-20, NOAA-21; and the upcoming JPSS-3 and JPSS-4 satellites. The program also includes a ground system, with facilities and data acquisition and distribution activities in Antarctica, Norway, Alaska, New Mexico, Maryland, Virginia, and West Virginia. These systems support mission operations, science, maintenance, and data archiving through FY 2038 to ensure continuity of accurate and timely weather forecasts and warnings.

NOAA/NASA Suomi NPP,⁴ NOAA-20, and NOAA-21 are currently operational in the early afternoon orbit. NOAA is developing JPSS-3 and JPSS-4 as copies of the NOAA-21 spacecraft and instrument suite, reducing cost and technical risk by leveraging existing contracts and proven designs. The NOAA-21, JPSS-3, and JPSS-4 missions are comprised of the Advanced Technology Microwave Sounder (ATMS), Cross-track Infrared Sounder, Visible Infrared Imaging Radiometer Suite, and the Ozone Mapping Profiler Suite instruments. In addition, the NASA-provided Libera instrument for radiation budget measurements will fly on JPSS-4, which has a launch commitment date of FY 2028.

In FY 2027, NOAA will continue integration and testing of the JPSS-4 instruments and spacecraft. NOAA will also continue the development, maintenance, and sustainment of the ground systems, including efforts to address emerging technologies and threats, and conduct risk reduction activities to support current and future polar data acquisition requirements.

- **Near Earth Orbit Network (NEON):** NEON is NOAA's follow-on program to PWS. Together with its partners and commercial industry, NEON will sustain and enhance the data and modeling capabilities essential for weather prediction and environmental monitoring. NEON will employ a "Buy, Partner, Build" approach, leveraging commercial capabilities and best practices, partnering with Federal and international partners to obtain observations where feasible, and building only what it must.

³ Includes satellite data provided by NOAA and partner LEO satellites and commercial satellite data. National Weather Service:

https://www.nco.ncep.noaa.gov/sib/counts/January_2026.html

⁴ NOAA, in collaboration with NASA, plans to decommission and deorbit Suomi NPP in FY 2027. Suomi NPP is the first satellite NOAA is required to deorbit in accordance with U.S. Government Orbital Debris Mitigation Standard Practices (November 2019):

https://orbitaldebris.jsc.nasa.gov/library/usg_orbital_debris_mitigation_standard_practices_november_2019.pdf.

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The NEON program includes satellites that host Earth-observing instruments necessary to meet NOAA observational requirements. The program will leverage commercial ground services provided by industry partners, including instrument integration, satellite command and control, operations, data receipt and routing, data processing, and product distribution. These ground services will support a hybrid architecture that integrates commercial capabilities, NESDIS-developed enterprise ground system capabilities, and NEON-developed capabilities over the program's operational lifetime.

NEON Series 1 focuses on microwave soundings and will replace the ATMS instrument currently provided by PWS. This effort includes the development of next-generation microwave instruments with improved science performance and enhanced detection of radio frequency interference compared to legacy instruments. These advancements will facilitate commercial participation in the LEO microwave sounding market, increasing the number of opportunities for future commercial data purchases of microwave sounding data.

NEON Series 1 will acquire a block of four small commercial spacecraft, each designed to accommodate the microwave sounding instruments. Once integrated, these satellites will be available for on-demand launch into the desired orbit, ensuring continuity of critical microwave sounding data for global numerical weather prediction models and forecasts. Drawing on commercial innovations in the production of spacecraft, rapid response launch vehicles, and operations will improve agility and resiliency over legacy systems.

QuickSounder is a demonstration mission and pathfinder for Series 1. An engineering model of the ATMS instrument, similar to those flown on JPSS satellites will be launched on a commercial spacecraft and operated by commercial ground services. QuickSounder will inform NOAA's transition to a more agile and disaggregated architecture that incorporates small and medium-sized satellites.

Space Weather Observations: NOAA's satellites observe space weather and provide essential data necessary for safeguarding critical infrastructure, space-based assets, and society. Space weather remains a key risk to all space assets and the establishment of space commerce.

- **Space Weather Next (SW Next):** SW Next sustains, improves, extends, and mitigates potential gaps in observations to support NOAA's operational space weather forecasting mission, as authorized by the *Promoting Research and Observations of Space Weather to Improve the Forecasting of Tomorrow Act* or the *PROSWIFT Act* (51 USC § 606), and driven by the National Space Weather Strategy and Action Plan. The program ensures continuity of space weather observations across all

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applicable orbits and supports ongoing operational product improvements within NOAA's NWS Space Weather Prediction Center (SWPC). The program represents the next generation of space weather monitoring observatories, providing essential, sustained observations to meet NOAA's operational space weather mission needs.

NESDIS, in partnership with NWS, continues to engage the space weather stakeholders across industry, academia, interagency working groups, and advisory bodies to define observational requirements. NESDIS is developing concept designs, trade studies, and analysis of alternatives to support Department of Commerce acquisition milestones. The SW Next program will provide observations from multiple vantage points including an L1 continuity series and an L5 project in partnership with the ESA. The SW Next L1 Series – SOLAR - will sustain the coronal mass ejection (CME) and solar wind measurements currently provided by SOLAR-1 (formerly SWFO), as the program reaches end of life. NOAA will continue formulation of space weather instrumentation for GEO space weather observations beyond the existing GOES-R Series.

NESDIS continues to collaborate with the Naval Research Laboratory (NRL) to develop the compact coronagraph (CCOR-3) instrument for deployment on ESA's L5 Vigil mission that is anticipated to launch in 2031. Under this partnership, ESA will provide the Vigil spacecraft with multiple instruments, launch services, and mission operations, while NESDIS, through an interagency agreement with the NRL, will deliver the CCOR-3 instrument. Observations from the L5 vantage point will provide a unique perspective for near real-time CME imagery and significantly improve early detection needed for forecasting, warning, and alerts regarding solar activity headed towards the Earth.

CMEs drive the most severe geomagnetic storms, and their propagation is significantly impacted by solar wind structures. The addition of L5 observations will improve arrival and duration forecasts of CMEs and characterization of interactions with Earth's magnetosphere (e.g., direct-hit, glancing blow, etc.). These capabilities are critical to protecting bulk power systems, aviation operations, spacecraft operations, and Global Navigation Satellite System (GNSS) users. Incorporation of L5 solar wind data will increase forecast lead time and confidence, particularly for events expected to impact Earth within 3-7 days and will improve the Geomagnetic Storm Watch product and provide real-time validation of space weather forecasting models.

NESDIS is advancing contingency strategies through partnership opportunities to supplement observations. These include potential use of coronagraph observations from the NASA Polarimeter to Unify the Corona and Heliosphere mission, ionospheric observations from the Taiwan Space Agency, and solar wind data from the NASA IMAP mission to mitigate potential interruptions from SOLAR-1 observations. Additional partnership opportunities for observational or ground support

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elements may also be pursued.

The SW Next Milestone 1 Decision Memorandum, as signed by the Secretary of Commerce, authorized NESDIS to manage diverse space weather observation programs as a portfolio of programs under SW Next, while maintaining transparency in the development schedules as well as annual and life cycle costs for individual programs and projects. NOAA completed the SW Next L5 DOC Milestone 2 Review in March 2024 and Milestone 2/3 Review for the SW Next L1 Series in July 2024 and established its program baseline.

Common Ground Services (CGS): CGS is responsible for developing, building, deploying, and sustaining the common ground service for NOAA's satellite, data, and information capabilities. The backbone of this enterprise system is the NESDIS Common Cloud Framework (NCCF), which enables a modern, cloud-based approach to data management that improves efficiency, scalability, and cost-effectiveness. NOAA will continue to leverage partnerships and external data sources to deliver enhanced products and services in support of its weather mission.

CGS funds the Office of Common Services (OCS), which plans and implements a common ground service for NOAA's satellite, data, and information capabilities. Ground services are critical to acquiring, processing, and managing the weather-related satellite data, maximizing the value of investments made by NOAA and its partners in the space and weather sector. CGS also enables access to non-NOAA data sources, including domestic and international partner satellites and commercially-acquired data. In collaboration with NCEI, CGS also provides long-term archival services for all approved NOAA and external partners' weather-related data sources.

The NCCF is a platform that supports multi-mission cloud services and hosts many of the enterprise common services supporting operational NESDIS missions (Figure on NESDIS-43), as well as science teams across NOAA Line offices. In FY 2025, CGS delivered an enhanced secure ingest service that improves the collection of observations from a diverse set of sources, including commercial providers, into the NESDIS secured cloud-computing system. Consolidating data in the NCCF storage service significantly improves accessibility and usability as data volumes are expected to grow from 65 to 1,000 petabytes by 2030. This approach enables faster development of new applications, supports research by the academic community, and facilitates the use of AI/ML to maximize the value of NOAA's large data sets.

NCCF's product generation service transforms raw data observations into usable information and data products using NESDIS enterprise algorithms, ensuring consistency across multiple missions and instruments. These services generate the majority of NESDIS LEO operational data products. NCCF will also support the QuickSounder mission by ingesting commercial data,

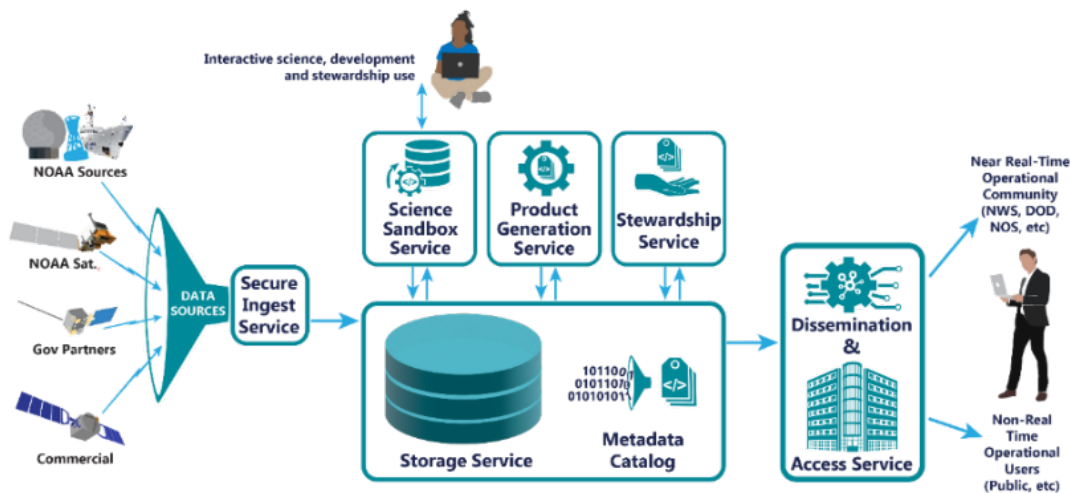
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generating data products, and disseminating the products directly to the NWS via cloud-to-cloud transfer, demonstrating applicability for the next generation of LEO missions.

The NCCF science sandbox service is now operational and enables scientists to perform algorithm development, calibration and validation activities, and other data manipulation activities in the cloud which eliminates the need for costly data transfers across geographical and system security boundaries. The operational stewardship service leverages NCCF to enhance data usability by preserving provenance and enabling the use in AI applications.

NCCF services support users by modernizing the product generation service, reducing the time required to transition scientific innovations into the operational product baseline, and by applying enterprise algorithms that provide consistent weather data products from observations originating from multiple NOAA and non-NOAA instruments.

NESDIS Common Cloud Framework (NCCF)



CGS activities also include management, engineering, integration and testing, and transition to operations. System engineers support system verification and validation efforts, as well as life cycle reviews for major satellite acquisition programs and projects which utilize the common services. CGS funding has successfully demonstrated the applicability of emerging technologies to enhance data acquisition within the NESDIS Ground Enterprise, including space-based data relay and software-defined radios.

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Commercial Services: Commercial Services, previously named Systems/Services Architecture and Engineering, supports the integration of private-sector data and technologies into NOAA operations to enhance forecast accuracy, system flexibility, and maximize mission value. Commercial Services includes:

- **Commercial Data Program:** This program integrates cost-effective, space-based commercial data into NOAA's operations, to improve the accuracy of NWS forecasts, enhance public safety, and significantly reduce economic losses from severe weather and space weather events. In addition to acquiring commercial data, the program supports commercial data pilots that assess the commercial sector's capabilities, data quality, and operational impact prior to integrating into operations. NOAA will continuously evaluate commercial data offerings to ensure quality and mission relevance, assess their impact on operational outcomes, and conducts cost-benefit analyses to inform future data acquisition strategies. NESDIS continues to support joint venture partnerships with Federal partners and the commercial sector to leverage emerging capabilities for NOAA's operational use.
- **Architecture, Requirements, and Planning:** This function leads and manages NESDIS-wide planning and assessments of future enterprise architectures. This includes performing architecture trade studies (within NOAA as well as with industry, partners, and the science community), supporting pre-formulation activities, demonstrations, and the development of roadmaps to achieving future architectures.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Geostationary	Pos./BA	32	74,600	32	71,100	0	(3,500)
Systems-R	FTE/OBL	32	74,600	32	71,100	0	(3,500)

GOES-R Series (-\$3,500, 0 FTE/ 0 Positions) - NOAA requests a reduction to the GOES-R Series program. The GOES-R Series transitioned into full operations after the launch of its final satellite, GOES-U/GOES-19, in June 2024, and its ensuing transition as the operational GOES East on April 7, 2025. The reduction will be achieved through the transition to a government-owned, contractor-operated model that will outsource data operations to the commercial sector and reduce sustainment costs for the ground system. The remaining funds will support ground system sustainment activities such as obsolescence, cloud migration, and on-orbit anomalies to ensure successful satellite operations through the planned end of the program in 2036.

Schedule and Milestones

FY 2027 – FY 2031

- Continue sustainment activities, to include obsolescence, cloud migration, and on-orbit anomalies

Deliverables

- Sustainment of GOES-R Series ground system

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Performance Measures	2027	2028	2029	2030	2031
Percent of milestones completed on time					
With Decrease	75	75	75	75	75
Without Decrease	75	75	75	75	75
Outyear Costs:					
Direct Obligations	(3,500)	4,000	4,000	4,000	(4,400)
Capitalized	(3,500)	4,000	4,000	4,000	(4,400)
Uncapitalized	0	0	0	0	0
Budget Authority	(3,500)	4,000	4,000	4,000	(4,400)
Outlays	(1,190)	(320)	2,895	3,510	1,069
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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Outyear Funding Estimates*

GOES-R Series	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	(3,500)	4,000	4,000	4,000	(4,400)	N/A	N/A
GOES-R Series PAC Request	10,327,162	71,100	78,600	78,600	78,600	70,200	240,132	10,944,394
Total GOES-R Series ORF Request	346,063	40,963	40,963	40,963	40,963	40,963	204,815	755,693
GOES-R Series LCC (PAC & ORF)	10,673,729	112,063	119,563	119,563	119,563	111,163	444,947	11,700,087

* Outyears are estimates. Future requests will be determined through the annual budget process. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted and any reductions for deobligations of prior enacted appropriations.

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Activity: Systems Acquisition

Subactivity: Geostationary Systems - R

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	3,028	3,764	3,764	3,764	0
11.3	Other than full-time permanent	4	4	4	4	0
11.5	Other personnel compensation	169	169	169	169	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	3,201	3,937	3,937	3,937	0
12	Civilian personnel benefits	1,086	1,181	1,181	1,181	0
13	Benefits for former personnel	73	73	73	73	0
21	Travel and transportation of persons	64	64	64	64	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	105	105	105	105	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	22	22	22	22	0
24	Printing and reproduction	3	3	3	3	0
25.1	Advisory and assistance services	48,243	27,926	27,926	25,926	(2,000)
25.2	Other services from non-Federal sources	10,306	10,306	10,306	10,306	0
25.3	Other goods and services from Federal sources	43,414	23,414	23,414	21,914	(1,500)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	2,086	2,086	2,086	2,086	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	7	7	7	7	0
31	Equipment	66	66	66	66	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	5,410	5,410	5,410	5,410	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	Total obligations	114,086	74,600	74,600	71,100	(3,500)

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel Amount</u>		<u>Personnel Amount</u>		<u>Personnel</u>	<u>Amount</u>
Polar Weather	Pos./BA	56	290,000	56	269,570	0	(20,430)
Satellites	FTE/OBL	46	290,000	46	269,570	0	(20,430)

Polar Weather Satellites (-\$20,430, 0 FTE/ 0 Positions) – NOAA requests a decrease to continue the development of the Polar Follow On satellites, JPSS-3 and JPSS-4. FY 2027 funding will support the long-term storage and periodic testing of the JPSS-3 instruments and spacecraft. Funding will also be used to continue integration and testing of the JPSS-4 instruments and spacecraft in preparation for the planned launch in FY 2028. NOAA will continue the sustainment of the globally distributed ground system supporting the Suomi NPP, NOAA-20, and NOAA-21 satellites.

Schedule and Milestones

FY 2027 – FY 2031

- JPSS-4 Launch Commitment Date (Q1 FY 2028) and satellite commissioning (transition to operations)
- JPSS-3 periodic instrument and spacecraft checkout while in storage

Deliverables

- Launch of JPSS-4 satellite
- Sustainment of JPSS ground system

Satellite	Launch Commitment Date*	Target Launch Date**
JPSS-4	Q1 FY 2028***	TBD
JPSS-3	Q1 FY 2033***	TBD

* Launch commitment dates will be re-evaluated based on annual appropriations, the performance of on-orbit assets, and the overall constellation risk posture.

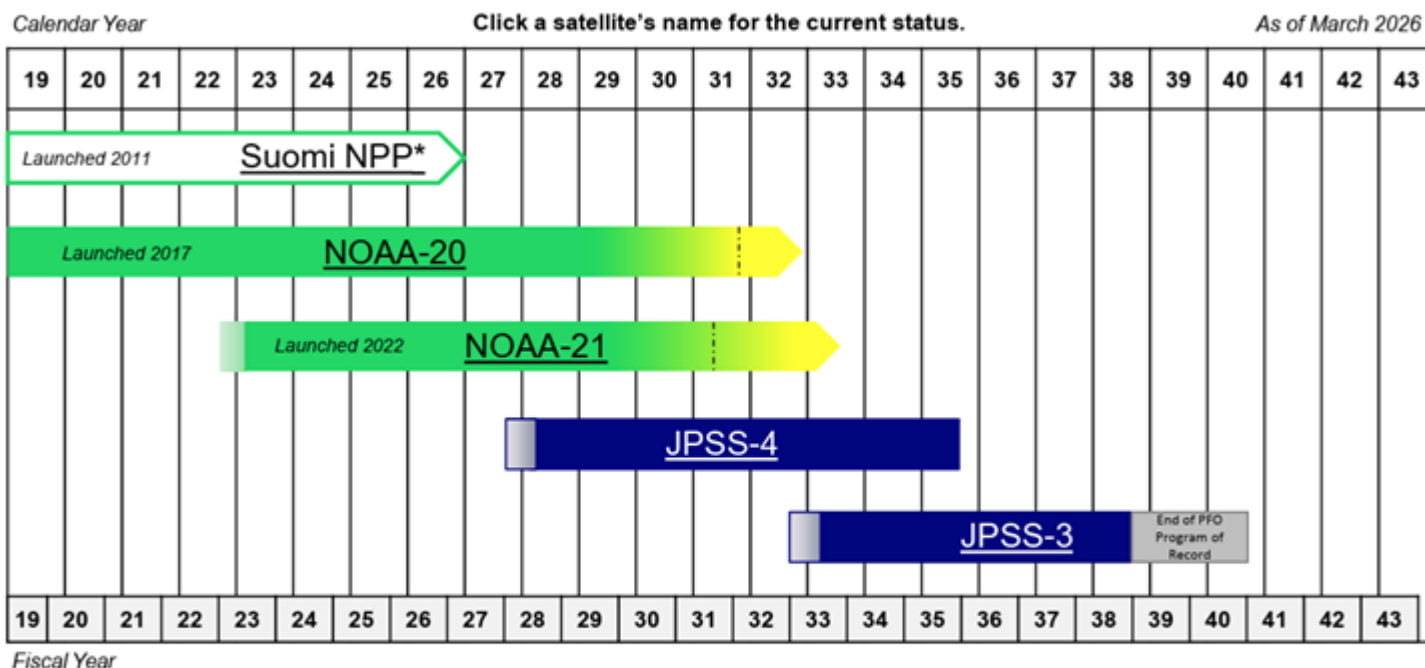
** Target Launch Date is only known after coordination with the launch services provider and in accordance with the NESDIS 1330 Polar-Orbiting Launch Policy.

*** The launch commitment dates were swapped between JPSS-3 and JPSS-4 in FY 2023 to integrate the Libera instrument on JPSS-4 while reducing technical, cost and schedule risk.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)



NOAA Polar Satellite Programs Continuity of Weather Observations



Key

	On-orbit, operational		Planned mission life
	On-orbit, operational, End-of-Life		Planned on-orbit checkout
	On-orbit residuals		End of Polar Follow-On Program of Record
	On-orbit checkout		90% probability that satellite meets threshold requirement for HAPS

Approved: Irene Parker
Assistant Administrator for
Satellite and Information Services (Acting)

Operational satellite extended life estimates (indicated by an arrow) based on July 2025 reliability analyses.
Suomi NPP: Suomi National Polar-orbiting Partnership; JPSS: Joint Polar Satellite System

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Performance Measures	2027	2028	2029	2030	2031
Percent of milestones completed on time					
With Decrease	75	75	75	75	75
Without Decrease	75	75	75	75	75
Outyear Costs:					
Direct Obligations	(20,430)	52,410	2,410	2,410	2,410
Capitalized	(20,430)	52,410	2,410	2,410	2,410
Uncapitalized	0	0	0	0	0
Budget Authority	(20,430)	52,410	2,410	2,410	2,410
Outlays	(6,946)	8,013	23,729	6,516	5,182
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Outyear Funding Estimates*

Polar Weather Satellites	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 PWS Base	N/A	(20,430)	52,410	2,410	2,410	2,410	N/A	N/A
Total PWS	14,038,650	269,570	342,410	292,410	292,410	292,410	1,250,725	16,778,585
JPSS (PAC)^	11,037,755	0	0	0	0	0	0	11,037,755
JPSS (ORF)	284,370	0	0	0	0	0	0	284,370
Total JPSS	11,322,125	0	0	0	0	0	0	11,322,125
PFO (PAC)^	3,032,095	277,370	350,210	300,210	300,210	300,210	1,305,325	5,865,630
PFO (ORF)	74,790	74,790	74,790	74,790	74,790	74,790	523,530	972,270
Total PFO	3,106,885	352,160	425,000	375,000	375,000	375,000	1,828,855	6,837,900

* Outyears are estimates. Future requests will be determined through the annual budget process. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for the FY 2026 Enacted Budget as well as any reductions for deobligations of prior enacted appropriations.

^ JPSS (PAC) and PFO (PAC) includes PAC funding supporting PWS and CGS via Operational Phase Transfer.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Polar Weather Satellites

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	7,777	6,948	6,948	6,948	0
11.3	Other than full-time permanent	79	79	79	79	0
11.5	Other personnel compensation	270	270	270	270	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	8,126	7,297	7,297	7,297	0
12	Civilian personnel benefits	2,853	2,189	2,189	2,189	0
13	Benefits for former personnel	138	138	138	138	0
21	Travel and transportation of persons	196	196	196	196	0
22	Transportation of things	4	4	4	4	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	409	409	409	409	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	57	57	57	57	0
24	Printing and reproduction	2	2	2	2	0
25.1	Advisory and assistance services	28,130	28,130	28,130	28,130	0
25.2	Other services from non-Federal sources	11,602	11,602	11,602	11,602	0
25.3	Other goods and services from Federal sources	336,885	216,267	216,267	195,837	(20,430)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	3,210	3,210	3,210	3,210	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	64	64	64	64	0
31	Equipment	722	722	722	722	0
32	Lands and structures	6,700	6,700	6,700	6,700	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	13,013	13,013	13,013	13,013	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	Total obligations	412,111	290,000	290,000	269,570	(20,430)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR FY 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u>		<u>Personnel</u>		<u>Personnel</u>	<u>Amount</u>
Common Ground Services	Pos./BA	78	90,000	78	90,353	0	353
	FTE/OBL	65	90,000	65	90,353	0	353

Common Ground Services Increase (+\$353, 0 FTE/ 0 Positions) – At this funding level, NOAA will prioritize the functionality of the NCCF, continue to leverage partner and commercial observations, and deliver enhanced products and services to support NOAA's weather mission.

Schedule and Milestones

FY 2027 – FY 2031

- Develop new functionality to operationalize NCCF services to incorporate new data streams and new products
- Migrate all users to optimized Product Generation 2.0 (Algorithm Orchestration) within the NCCF
- Optimize and sustain the NCCF core services to support the NESDIS Ground Enterprise, including processing and distribution for QuickSounder mission

Deliverables

- Sustainment of enterprise NCCF operational services; secure ingest, product generation, science sandbox, stewardship, storage, dissemination, and access of data from NOAA-managed missions, commercial, and partner data sources
- Integration of new flight mission ground services into the existing NCCF framework
- Migration of all Product Dissemination and Access users completed

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR FY 2027
(Dollar amounts in thousands)

Outyear Funding Estimates*

Common Ground Services (CGS)	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	353	353	353	353	353	N/A	N/A
Total CGS Request	424,036	90,353	90,353	90,353	90,353	90,353	N/A	N/A

* Outyears are estimates. Future requests will be determined through the annual budget process. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted Budget, as well as any reductions for deobligations of prior enacted appropriations.

Performance Measures

	2027	2028	2029	2030	2031
Enhanced or new products and services made available to the designated user community which utilize partner data sources based on NOAA core mission data product categories (per year)*					
With Increase	6	6	6	6	6
Without Increase	6	6	6	6	6
Percentage of prioritized data transformed into analysis-ready cloud and AI formats					
With Increase	5	10	15	20	25
Without Increase	0	0	0	0	0
Outyear Costs:					
Direct Obligations	353	353	353	353	353
Capitalized	353	353	353	353	353
Uncapitalized	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR FY 2027
(Dollar amounts in thousands)

Budget Authority	353	353	353	353	353
Outlays	120	289	328	349	353
FTE	0	0	0	0	0
Positions	0	0	0	0	0

*On average, it takes two years to develop and make products and services available.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Common Ground Services

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
11.1	Full-time permanent compensation	10,896	9,055	9,055	10,896	0
11.3	Other than full-time permanent	4	4	4	4	0
11.5	Other personnel compensation	280	280	280	280	0
11.8	Special personnel services payments	0	0	0	3,948	0
11.9	Total personnel compensation	11,180	9,339	9,339	9,339	0
12	Civilian personnel benefits	3,948	2,802	2,802	2,802	0
13	Benefits for former personnel	103	103	103	103	0
21	Travel and transportation of persons	121	121	121	121	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	1,067	1,067	1,067	1,067	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	17	17	17	17	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	23,884	23,884	23,884	23,884	0
25.2	Other services from non-Federal sources	53,032	49,577	49,577	49,930	353
25.3	Other goods and services from Federal sources	78	78	78	78	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	922	922	922	922	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	51	51	51	51	0
31	Equipment	135	135	135	135	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	1,904	1,904	1,904	1,904	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	Total obligations	96,443	90,000	90,000	90,353	353

**Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)**

		2027 Base		2027 Estimate		Increase from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Geostationary Earth	Pos./BA	76	497,897	76	500,000	0	2,103
Orbit	FTE/OBL	71	497,897	71	500,000	0	2,103

Geostationary Extended Observations (+\$2,103, 0 FTE/ 0 Positions) – NOAA requests an increase to continue restructuring the GeoXO program to focus on NOAA’s core weather mission. The GeoXO program, which is working towards the first planned launch in 2032, will meet essential observation needs to support weather forecasting, nowcasting, and severe storm warnings. The requested increase will help accelerate development of the hyperspectral sounder instrument.

In addition to providing essential mission continuity from the GOES-R Series, the program restructuring supports operational redundancy and reducing the risk of observational data gaps. This approach will deliver benefits in forecast accuracy, strengthen disaster resilience, and reinforce global leadership in weather prediction.

Schedule and Milestones

FY 2027 – FY 2031

- Complete program restructure into a more streamlined, innovative, and cost-effective operation
- Mission Preliminary Design Review
- Mission CDR
- Complete CDR of the spacecraft
- Award modification of the hyperspectral sounder instrument development contract
- Award mission integration prime contract
- CDR for the hyperspectral sounder instrument

Deliverables

- GeoXO Baseline Report

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	2,103	15,103	28,103	41,103	167,000
Capitalized	2,103	15,103	28,103	41,103	167,000
Uncapitalized	0	0	0	0	0
Budget Authority	2,103	15,103	28,103	41,103	54,103
Outlays	715	6,144	17,036	29,252	42,143
FTE	0	0	0	0	0
Positions	0	0	0	0	0

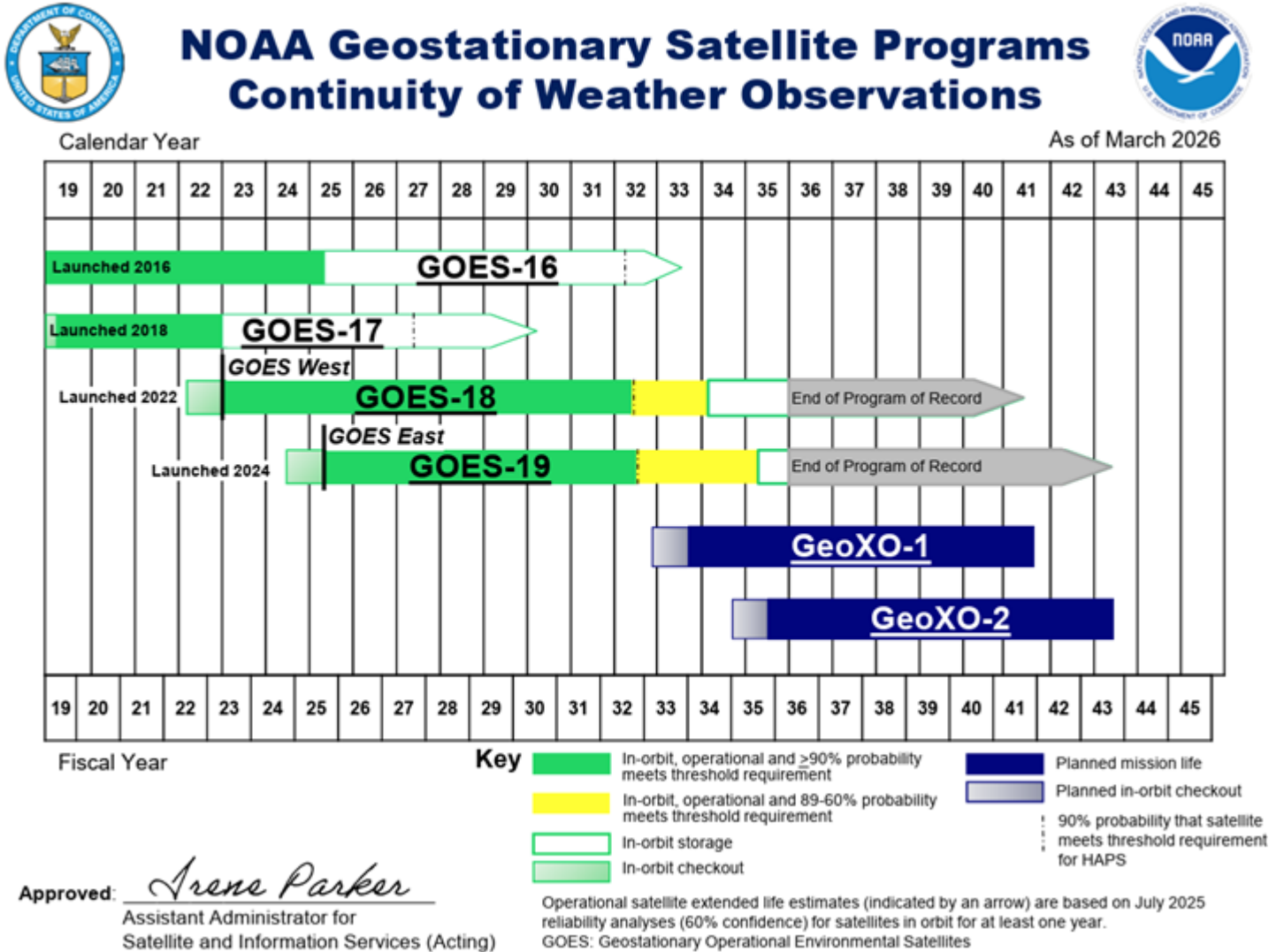
Outyear Funding Estimates*

GEO	FY 2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	2,103	15,103	28,103	41,103	54,103	N/A	N/A
Total GEO PAC Request	1,725,243	500,000	513,000	526,000	539,000	552,000	7,586,574	11,941,817

* Outyears are estimates. Future requests will be determined through the annual budget process. Therefore, the PAC profile will be updated on an annual basis.

** The FY 2026 & Prior column accounts for FY 2026 Enacted, as well as any reductions for deobligations of prior enacted appropriations.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)



Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Geostationary Earth Orbit

Object Class		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
11.1	Full-time permanent compensation	9,532	11,992	11,992	11,992	0
11.3	Other than full-time permanent	19	19	19	19	0
11.5	Other personnel compensation	261	261	261	261	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	9,812	12,272	12,272	13,236	0
12	Civilian personnel benefits	3,424	3,682	3,682	3,424	0
13	Benefits for former personnel	162	162	162	162	0
21	Travel and transportation of persons	270	270	270	270	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	23	0
23.1	Rental payments to GSA	702	702	702	3	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	23	23	23	23	0
24	Printing and reproduction	3	0	0	3	0
25.1	Advisory and assistance services	8,685	8,685	8,685	8,685	0
25.2	Other services from non-Federal sources	5,001	5,001	5,001	5,001	0
25.3	Other goods and services from Federal sources	459,322	463,236	463,236	465,306	2,103
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	200	200	200	200	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	40	40	40	40	0
31	Equipment	15	15	15	15	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	3,609	3,609	3,609	3,609	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	Total obligations	491,268	497,897	497,897	500,000	2,103

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Direct Obligations amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2026 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Low Earth Orbit	Pos./BA	37	120,000	37	125,000	0	5,000
	FTE/OBL	34	120,000	34	125,000	0	5,000

Near Earth Orbit Network (+\$5,000, 0 FTE/ 0 Positions) – NOAA requests a planned increase to support the NEON Series 1 Sounder for Microwave-Based Applications (SMBA) and continue formulation and development activities to evaluate approaches for critical LEO observations. Understanding the opportunities and risks of commercial capabilities, including building spacecraft, launch vehicles, and ground services, is critical for developing and implementing a robust program to serve as the next generation of polar orbiting satellites providing continuous global data.

NOAA will award development contracts for the Series 1 SMBA, procure instrument parts, and obtain the necessary contract support for this satellite series. The first launches for the first Series 1 microwave sounding missions will commence in the early 2030s. This will ensure that NOAA can maintain one primary and one secondary satellite in polar orbit to avoid any potential gaps in observation continuity of critical microwave sounding measurements that support accurate forecasts. Series 1 satellites will include next-generation instruments that will improve upon the capabilities of legacy programs and enable a more agile and resilient architecture.

Schedule and Milestones

FY 2027 – FY 2031

- Launch of NEON QuickSounder
- Transition of mission operations services contract for NEON's QuickSounder to the Office of Satellite and Product Operations after completion of on-orbit testing
- NEON Series 1 DOC Milestones 2 and 3
- Award NEON Series 1 microwave sounder instrument contract

Deliverables

- Series 1 Determination of Readiness Report

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Direct Obligations amounts in thousands)

Performance Measures	2026	2027	2028	2029	2030
Percent of Milestones completed on time					
With Decrease	75	75	75	75	75
Without Decrease	75	75	75	75	75
Outyear Costs:					
Direct Obligations	5,000	TBD	TBD	TBD	TBD
Capitalized	5,000	130,000	380,000	380,000	380,000
Uncapitalized	0	0	0	0	0
Budget Authority	5,000	130,000	380,000	380,000	380,000
Outlays	1,700	46,600	192,150	326,200	361,250
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
 (Direct Obligations amounts in thousands)

Outyear Funding Estimates*

Low Earth Orbit	2026 & Prior**	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	5,000	TBD	TBD	TBD	TBD	N/A	N/A
Total LEO Request (PAC)#	391,801	125,000	TBD	TBD	TBD	TBD	TBD	TBD

* Outyears are estimates. Future requests will be determined on an annual basis and informed by the various studies as the program moves through the formulation gateways.

** The FY 2026 & Prior column accounts for FY 2026 Enacted and any reductions for deobligations of prior enacted appropriations.

The LEO Programs includes prior year resources for CDARS, COSMIC-2/GNSS RO, and POES Extension not captured in this table. Funding for CDARS was transferred to ORF in FY 2023 via an operational phase transfer. Funding for COSMIC-2/GNSS RO was transferred to ORF in FY 2024 via an operational phase transfer. The final year of POES Extension funding was FY 2023.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition

Subactivity: Low Earth Orbit

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase from 2027 Base
11.1	Full time permanent compensation	2,321	4,981	4,981	4,981	0
11.3	Other than fulltime permanent	40	40	40	40	0
11.5	Other personnel compensation	41	41	41	41	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,402	5,062	5,062	5,062	0
12	Civilian personnel benefits	814	1,620	1,620	1,620	0
13	Benefits for former personnel	18	18	18	18	0
21	Travel and transportation of persons	24	24	24	24	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	169	169	169	169	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	6	6	6	6	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	4,840	8,899	8,899	8,899	0
25.2	Other services from nonFederal sources	6,758	11,758	11,758	11,758	0
25.3	Other goods and services from Federal sources	25,806	90,806	90,806	95,806	5,000
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	243	243	243	243	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	13	13	13	13	0
31	Equipment	3	3	3	3	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	1,379	1,379	1,379	1,379	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	Total obligations	42,475	120,000	120,000	125,000	5,000

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Commercial	Pos./BA	46	43,252	46	53,000	0	9,748
Services	FTE/OBL	41	43,252	41	53,000	0	9,748

Commercial Services (+\$9,748, 0 FTE/ 0 Positions) – NOAA requests an increase to expand NESDIS space-based commercial data acquisition activities.

The acquisition of commercial data supports the Administration's initiative to leverage the strength and capabilities of the U.S. commercial sector. Through this program, NOAA will continue to purchase space-based commercial data, including radio occultation data, to support NWP model forecasts and space weather applications. Increased resources would support the procurement of Global Navigation Satellite System-Radio Occultation (GNSS-RO) data along with the ability to pursue new operational data purchases which might include microwave sounding, GNSS-Reflectometry (GNSS-R) ocean surface winds, and other data types to improve the accuracy of NWS forecasts that protect public safety and reduce economic losses due to severe weather. This program leverages the capability of the private sector by integrating cost-effective commercial data into NOAA's operations. The requested increase would broaden the scope of data NOAA incorporates into its forecast models. The *Weather Research and Forecasting Innovation Act of 2017*, as amended (15 USC § 111) which provides the statutory basis for NOAA's commercial data program and enables the procurement and evaluation of commercial weather data, while expanding commercial opportunities.

Schedule and Milestones

FY 2027 – FY 2031

- Continue to execute commercial radio occultation contract delivery orders for continuity of operational data purchases
- Continue to pursue potential operational purchases of commercial data which could include microwave sounding, GNSS-R, and other data types. Investigate the data quality and application of commercial hyperspectral, scatterometry, and high-resolution infrared imagery data for wildfire detection and mapping

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Deliverables

- Commercial radio occultation data processed and delivered to NWS for use in operational NWP models and delivered to NOAA's SWPC for use in space weather models

Performance Measures

	2027	2028	2029	2030	2031
Evaluation of new technology or data sources to meet NOAA needs					
With Increase	2	2	2	2	2
Without Increase	2	2	2	2	2
Outyear Costs:					
Direct Obligations	9,748	9,748	9,748	9,748	9,748
Capitalized	9,748	9,748	9,748	9,748	9,748
Uncapitalized	0	0	0	0	0
Budget Authority	9,748	9,748	9,748	9,748	9,748
Outlays	3,314	7,993	9,066	9,651	9,748
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Outyear Funding Estimates*

Commercial Services	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	9,748	9,748	9,748	9,748	9,748	N/A	N/A
Total Commercial Services Request**	406,511	53,000	53,000	53,000	53,000	53,000	N/A	N/A

* Outyears are estimates. Future requests will be determined through the annual budget process.

** The 2026 & prior column includes \$96.9M from Joint Venture and \$10M from GeoXO. GeoXO was transferred to the Geostationary Earth Orbit (GEO) PPA in FY 2021

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition
Subactivity: Commercial Services

		2025	2026	2027	2027	Increase
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	6,107	5,340	5,340	5,340	0
11.3	Other than full-time permanent	4	4	4	4	0
11.5	Other personnel compensation	179	179	179	179	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	6,290	5,523	5,523	5,523	0
12	Civilian personnel benefits	2,210	1,657	1,657	1,657	0
13	Benefits for former personnel	46	46	46	46	0
21	Travel and transportation of persons	76	76	76	76	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	569	569	569	569	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	25	25	25	25	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	58,881	23,662	23,662	33,410	9,748
25.2	Other services from non-Federal sources	2,084	2,084	2,084	2,084	0
25.3	Other goods and services from Federal	4,182	4,182	4,182	4,182	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	606	606	606	606	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	23	23	23	23	0
31	Equipment	117	117	117	117	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	4,681	4,681	4,681	4,681	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	Total obligations	79,791	43,252	43,252	53,000	9,748

**Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)**

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Commercial Services	Pos./BA	46	43,252	21	37,252	(25)	(6,000)
	FTE/OBL	41	43,252	16	37,252	(25)	(6,000)

Architecture, Requirements, and Planning Termination (-\$6,000, -25 FTE/ -25 Positions) – NOAA requests a decrease to eliminate funding for Architecture, Requirements, and Planning (ARP) activities. This reduction maintains support for Commercial Services and prioritizes the integration of private sector data and technologies into operations, advancing key priorities through commercial innovation and cost efficiencies. To the extent possible, staff supporting ARP will be reassigned to support other vacancies across the NESDIS enterprise.

Outyear Funding Estimates*

Commercial Services	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	(6,000)	(6,000)	(6,000)	(6,000)	(6,000)	N/A	N/A
Total Commercial Services Request**	406,511	37,252	37,252	37,252	37,252	37,252	N/A	N/A

* Outyears are estimates. Future requests will be determined through the annual budget process.

** The 2026 & prior column includes \$96.9M from Joint Venture and \$10M from GeoXO. GeoXO was transferred to the Geostationary Earth Orbit (GEO) PPA in FY 2021.

**Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Systems Acquisition
Subactivity: Commercial Services
Program Change: Architecture, Requirements, and Planning Termination

Title	Grade	Number	Annual Salary	Total Salaries
General Engineer	ZP-II	(1)	(100,097)	(100,097)
General Engineer	ZP-III	(1)	(131,826)	(131,826)
General Engineer	ZP-IV	(4)	(185,234)	(740,936)
Administrative Officer	ZA-IV	(1)	(185,234)	(185,234)
Management & Program Analyst	ZA-IV	(4)	(185,234)	(740,936)
Management & Program Analyst	ZA-V	(1)	(195,200)	(195,200)
Acquisition Management Specialist	ZA-III	(1)	(131,826)	(131,826)
Acquisition Management Specialist	ZA-IV	(1)	(185,234)	(185,234)
Physical Scientist	ZP-III	(1)	(131,826)	(131,826)
Physical Scientist	ZP-IV	(4)	(185,234)	(740,936)
Physical Scientist	ZP-V	(6)	(195,200)	(1,171,200)
Total		(25)		(4,455,251)
Less lapse		0		0
Total full-time permanent (FTE)		(25)		(4,455,251)
2027 Pay Adjustment (0.0%)				0
				(4,455,251)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(25)		
Total FTE		(25)		
Authorized Positions:				
Full-time permanent		(25)		
Total Positions		(25)		

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Systems Acquisition
Subactivity: Commercial Services

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	6,107	5,340	5,340	885	(4,455)
11.3	Other than full-time permanent	4	4	4	4	0
11.5	Other personnel compensation	179	179	179	179	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	6,290	5,523	5,523	1,068	(4,455)
12	Civilian personnel benefits	2,210	1,657	1,657	320	(1,337)
13	Benefits for former personnel	46	46	46	46	0
21	Travel and transportation of persons	76	76	76	76	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	569	569	569	569	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	25	25	25	25	0
24	Printing and reproduction	1	1	1	1	0
25.1	Advisory and assistance services	58,881	23,662	23,662	23,454	(208)
25.2	Other services from non-Federal sources	2,084	2,084	2,084	2,084	0
25.3	Other goods and services from Federal	4,182	4,182	4,182	4,182	0
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	606	606	606	606	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	23	23	23	23	0
31	Equipment	117	117	117	117	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	4,681	4,681	4,681	4,681	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	Total obligations	79,791	43,252	43,252	37,252	(6,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Construction

Goal Statement

The objectives of the Satellite Command and Data Acquisition (CDA) Facility Subactivity are to support repairs and renew facilities that contain critical infrastructure; maintain structural integrity through capital improvements; and to ensure availability of power and cooling necessary for NOAA's satellite ground system.

Base Program

The Satellite CDA Facility Subactivity addresses NESDIS PAC facility requirements for NESDIS CDA Facilities.

Statement of Operating Objectives

Schedule and Milestones

FY 2027 - FY 2031

- Wallops Island, VA, CDA Station: Paving upgrade; operations building construction; data center lights upgrade (for sustainability); operational floor reconfiguration.
- Fairbanks, AK, CDA Station: Demolition of abandoned antennas; roadway paving upgrade; new security fence (around station core/6,000 linear feet); new security fence (along main road/7,500 linear feet); data center electrical upgrades; historic log cabin demolition; Very Long Baseline Interferometry building demolition

Deliverables

- Demolition of multiple abandoned structures
- Paving upgrades to damaged service roads
- Implementation of recommended countermeasures from anti-terrorism risk assessments

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Outyear Funding Estimates*

Satellite CDA Facility	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from FY 2027 Base	N/A	0	0	0	0	0	N/A	N/A
Total Request	50,238	2,450	2,450	2,450	2,450	2,450	N/A	N/A

*Outyears are estimates. Future requests will be determined through the annual budget process.

** The FY 2026 & Prior column accounts for FY 2026 Enacted and any reductions for deobligations in prior enacted appropriations.

Explanation and Justification

Comparison by Subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Satellite CDA Facility	Pos/BA	0	2,315	0	2,450	0	2,450
	FTE/OBL	1	2,103	0	2,450	0	2,450
Total Satellite CDA Facility	Pos/BA	0	2,315	0	2,450	0	2,450
	FTE/OBL	1	2,103	0	2,450	0	2,450

Satellite CDA Facility: To support its mission requirement to ensure that the control, health, and safety of NOAA satellites can be maintained at all times, and that the satellites are available to provide timely and essential environmental data to a wide range of users, NESDIS operates and maintains CDA Stations at Fairbanks, AK, and Wallops Island, VA; NOAA Satellite Operations Facility at Suitland, MD; and the NESDIS Consolidated Back-Up facility at Fairmont, WV. These facilities provide power and cooling to the satellite ground systems uninterrupted 24 hours per day, 365 days per year.

**Department of Commerce
National Oceanic and Atmospheric Administration
Mission Support
Budget Estimates, Fiscal Year 2027**

Executive Summary

NOAA requests a total of \$312,876,000 and 624 FTE/ 651 positions for Mission Support, including a decrease of \$81,242,000 and 26 FTE/ 74 positions in program changes.

Mission Support will continue to provide the services essential to the safe and successful execution of NOAA's mission.

The Mission Support budget is organized into two activities within the Operations, Research, and Facilities (ORF) account and includes the following:

- Mission Support Services:
 - Executive Leadership provides centralized executive management as well as policy formulation and direction.
 - Mission Services and Management includes such activities as financial reporting, budgeting, information technology, acquisition and grants, human resource services, and facilities management.
 - IT Security leads priority cyber security initiatives and leadership of Artificial Intelligence (AI) and Cloud solutions to support agency operations and science.
 - Payment to the DOC Working Capital Fund provides centralized services to NOAA's Line Offices and Staff Offices.
 - Facilities Maintenance supports a centralized approach to addressing facilities maintenance and repair projects across NOAA.
- Office of Education:
 - The Office of Education provides leadership on education matters, promotes NOAA products and services to the public and provides expert support for education activities across the agency.

The Mission Support budget is organized under one activity within the Procurement, Acquisition, and Construction (PAC) account, Construction. Within this activity, NOAA Construction provides for restoration of capital assets including alteration or modification of properties.

Department of Commerce Pay, Personnel Action Request, Benefits Direct Bill:

Department of Commerce's Pay, Personnel Action Request, Benefits Direct Bill provides transactional and corporate-wide services in the Human Resources (HR), Acquisition Services, Financial Management, and Information Technology functional areas. HR was the first functional area to transition to this model and NOAA was the first customer for these services starting in late FY 2016. NOAA continues to receive and pay for an increasing number of HR transactional and processing services to include Personnel Action Requests, payroll, employee separations and limited processing of compensation and benefits. NOAA/Office of Human Capital Services still provides all NOAA personnel with retirements and benefits counseling and processing services. NOAA continues to subscribe to the U.S. Office of Personnel

**Department of Commerce
National Oceanic and Atmospheric Administration
Mission Support
Budget Estimates, Fiscal Year 2027**

Management's (OPM) USAStaffing talent acquisition application and service and continued its participation through FY 2025 to conduct full scale hiring.

Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$21,151,000 and 0 FTE/ 0 positions to account for the full funding requirement for certain inflationary adjustments to current programs for Mission Support activities. This includes inflationary increases for labor and non-labor activities, including benefits and rent charges from the General Services Administration.

Technical Adjustments

NOAA also requests the following transfers for a net decrease of \$52,500,000 and 30 FTE/ 45 positions to the agency:

From Office	Subactivity	To Office	Subactivity	Amount
MS	Office of Space Commerce (ORF)	Departmental Management	Office of Space Commerce	\$53,164,000 and 30 FTE / 45 positions

NOAA requests to transfer \$53,164,000 and 30 FTE / 45 positions from the MS Office of Space Commerce Subactivity to the DOC Departmental Management Office of Space Commerce Subactivity to implement Section 6(b) of Executive Order (EO) 14335: "Enabling Competition in the Commercial Space Industry" and realign the functions of the Office of Space Commerce (OSC) currently performed within NOAA as a standalone office within the Department of Commerce. Elevation of the Office of Space Commerce will allow the DOC to carry out the directives received from the Administration and Congress to take on further responsibilities relating to the commercial space industry. This realignment will enable DOC to be a uniquely vocal advocate for the growing U.S. commercial space industry.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
TRANSFER CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Mission Support Services

Subactivity: Office of Space Commerce (ORF) – Technical Transfer from Office of Space Commerce (ORF) to Departmental Management

Object Class		2026 Enacted	2027 Transfer	2027 Base
11.1	Full-time permanent compensation	4,339	(4,355)	0
11.3	Other than full-time permanent	0	0	0
11.5	Other personnel compensation	126	(126)	0
11.7	NOAA Corps	0	0	0
11.9	Total personnel compensation	4,465	(4,481)	0
12	Civilian personnel benefits	1,573	(1,607)	0
13	Benefits for former personnel	0	0	0
21	Travel and transportation of persons	403	(408)	0
22	Transportation of things	45	(46)	0
23	Rent, communications, and utilities	0	0	0
23.1	Rental payments to GSA	364	(375)	0
23.2	Rental Payments to others	0	0	0
23.3	Communications, utilities and misc charges	46	(47)	0
24	Printing and reproduction	3	(3)	0
25.1	Advisory and assistance services	3,488	(3,523)	0
25.2	Other services from non-Federal sources	1,384	(1,428)	0
25.3	Other goods and services from Federal sources	40,653	(41,169)	0
25.4	Operation and maintenance of facilities	0	0	0
25.5	Research and development contracts	0	0	0
25.6	Medical care	0	0	0
25.7	Operation and maintenance of equipment	9	(9)	0
25.8	Subsistence and support of persons	0	0	0
26	Supplies and materials	56	(57)	0
31	Equipment	11	(11)	0
32	Lands and structures	0	0	0
33	Investments and loans	0	0	0
41	Grants, subsidies and contributions	0	0	0
42	Insurance claims and indemnities	0	0	0
43	Interest and dividends	0	0	0
44	Refunds	0	0	0
99	Total obligations	52,500	(53,164)	0

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease From 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
MISSION SUPPORT (MS)											
Mission Support Services	Pos/BA	691	336,206	748	329,717	703	297,588	644	272,876	(59)	(24,712)
	FTE/OBL	588	343,942	661	329,717	631	297,588	617	272,876	(14)	(24,712)
Office of Education	Pos/BA	15	20,837	15	34,950	15	35,066	0	0	(15)	(35,066)
	FTE/OBL	15	26,389	12	34,950	12	35,066	0	0	(12)	(35,066)
Hollings Scholarship	Pos/BA	0	7,668	0	0	0	0	0	0	0	0
	FTE/OBL	6	4,720	0	0	0	0	0	0	0	0
NOAA Community Project/ NOAA Special Projects	Pos/BA	0	0	0	1,464	0	1,464	0	0	0	(1,464)
	FTE/OBL	0	1,000	0	1,464	0	1,464	0	0	0	(1,464)
TOTAL MISSION SUPPORT – ORF	Pos/BA	706	364,711	763	366,131	718	334,118	644	272,876	(74)	(61,242)
	FTE/OBL	609	376,051	673	366,131	643	334,118	617	272,876	(26)	(61,242)
Construction	Pos/BA	3	52,520	7	60,000	7	60,000	7	40,000	0	(20,000)
	FTE/OBL	8	32,878	7	60,000	7	60,000	7	40,000	0	(20,000)
TOTAL MISSION SUPPORT – PAC	Pos/BA	3	52,520	7	60,000	7	60,000	7	40,000	0	(20,000)
	FTE/OBL	8	32,878	7	60,000	7	60,000	7	40,000	0	(20,000)
Spectrum Relocation Fund – ORF	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	1	2,000	0	4,355	0	6,448	0	0	0	0
Spectrum Relocation Fund-PAC	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	5,752	0	850	0	5,865	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

Spectrum Pipeline – ORF	Pos/BA	0	20,251	0	0	0	0	0	0	0	0
	FTE/OBL	0	3,108	0	4,336	0	945	0	0	0	0
MS Inflation Reduction Act (ORF)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	56	31,973	0	0	0	0	0	0	0	0
MS Inflation Reduction Act (PAC)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	3,684	0	0	0	0	0	0	0	0
TOTAL MISSION SUPPORT	Pos/BA	709	437,482	770	426,131	725	394,118	651	312,876	(74)	(81,242)
	FTE/OBL	674	455,446	680	435,672	650	407,376	624	312,876	(26)	(81,242)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Community							
Project Funding/	Pos./BA	0	1,464	0	0	0	(1,464)
NOAA Special	FTE/OBL	0	1,464	0	0	0	(1,464)
Projects							

Terminate NOAA Community Project Funding/NOAA Special Projects (-\$1,464, 0 FTE/ 0 Positions) – This program change removes funding for one-time congressionally directed projects provided in the FY 2026 enacted bill.

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Mission Support Services

Goal Statement

The objectives of these Mission Support activities are to: 1) develop policies regarding the administration of NOAA programs with Federal agencies, the Congress, and private industry; and 2) develop and implement policy, planning, and program oversight.

Base Program

NOAA's Mission Support services are the backbone of NOAA's programs and mission. These services provide the planning, administrative, financial, procurement, information technology, human resources, and infrastructure services that are essential to the safe and successful execution of NOAA's mission.

Statement of Operating Objectives

Schedule and Deliverables:

AGO

- Provide the capacity to support the Administration's acquisition and grants priorities
- Align acquisition resources to NOAA program requirements that result in contracts being awarded on time and that result in better value for the Government
- Increase AGO/Program Office engagement early in the acquisition and grants lifecycle

OCAO

- Initiate Silver Spring Metro Center Prospectus Readiness Project to reduce NOAA's footprint in preparation for new NOAA HQ lease which expires in 2028
- Continue implementation of the NOAA Asset Management Program to support data driven decision making and reporting
- Increase focus on resolution of leases and identify and initiate property disposals
- Address highest priority repair needs to arrest the degradation of facilities condition across the portfolio
- Continue implementing measures to improve the safety culture that has been established at NOAA over the past four years
- Successfully execute construction and repair projects on time and within budget

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

OCFO

- Continue to contribute materially accurate and timely NOAA financial reporting to DOC in support of annual unqualified opinion on the DOC consolidated financial statements
- Continue to deliver DOC Strategic Planning and Performance deliverables ahead of schedule
- Execute at least one major economic analysis and reporting product

OCIO

- Develop and deliver next generation, integrated cloud architectures and platforms to improve NOAA's use of AI at scale, reduce system complexity, and improve agency data access
- Expand NOAA's enterprise network architecture to achieve economic efficiencies and increased reliability, by providing high-availability, cost-optimized connectivity that meets escalating mission-critical data demands
- Advance enterprise cybersecurity maturity through AI-driven threat detection and automated incident response to enhance systemic resilience
- Modernize public-private partnerships to leverage cloud-native dissemination platforms, maximizing the accessibility and economic impact of NOAA's environmental data assets
- Accelerate the transition to a cloud-smart infrastructure to reduce technical debt and increase operational agility across all Line Offices

OHCS

- Optimize and transform the full-service HR framework to enhance operational efficiency and strategic workforce alignment across NOAA.
- Improve NOAA's ability to attract, hire and retain talent in both scientific and support fields
- Build an ongoing internal Federal HR hiring capacity to supplement current capacity and address emerging hiring needs
- Execute comprehensive investigative support for the Workforce Violence Prevention and Response Program (WVPRP) and the Office of Civil Rights (OCR)
- Modernize consultative and operational support services for Senior Executive and Senior Professional, recruitment, performance management and continuing education
- Reorganization and reshaping of NOAA workforce

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

OCR

- Sustain a model Equal Employment Opportunity (EEO) program and process EEO complaints of discrimination
- Conduct Alternative Dispute Resolutions to address complaints

WVPRP

- Maintain 24/7 comprehensive advocacy and consultation services for individuals affected by workplace violence across the NOAA enterprise
- Report on incidents of sexual assaults involving employees of NOAA, and individuals who work with or conduct business on behalf of the Administration
- Maintain the Rape, Abuse & Incest National Network (RAINN) contract for continued crisis response and victim advocacy services through a NOAA dedicated sexual assault and sexual harassment (SASH) hotline/helpline and website
- Manage NOAA's SASH database to protect sensitive information, support data analysis, and improve risk mitigation. Critical to privacy rights and efficient management of SASH cases
- Continue to acquire and distribute WVPRP informational materials and solicit feedback from the NOAA workforce to broaden and improve awareness regarding SASH reporting options and available resources
- Develop mandatory annual SASH training and supplemental training to address other forms of sexual misconduct, stalking, domestic violence, and psychological safety
- Pursuant to the National Defense Authorization Act of 2017 (Public Law 114-328), submit an annual report on SASH to Congress.
- Conduct NOAA's Annual Sexual Assault Awareness and Prevention Month and National Domestic Violence Month campaigns

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Executive Leadership	Pos/BA	127	30,305	120	28,230	120	28,611
	FTE/OBL	77	28,363	110	28,230	110	28,611
Mission Services and Management	Pos/BA	512	175,556	564	156,000	564	159,405
	FTE/OBL	441	164,427	504	156,000	504	159,405
IT Security	Pos/BA	16	16,099	19	15,438	19	15,876
	FTE/OBL	25	19,207	17	15,438	17	15,876
DOC Working Capital Fund	Pos/BA	0	71,228	0	71,299	0	87,368
	FTE/OBL	0	70,493	0	71,299	0	87,368
Facilities Maintenance	Pos/BA	1	5,994	0	6,250	0	6,328
	FTE/OBL	0	3,736	0	6,250	0	6,328
Office of Space Commerce	Pos/BA	22	37,024	45	52,500	0	0
	FTE/OBL	29	57,716	30	52,500	0	0
Total Mission Support Services	Pos/BA	678	336,206	748	329,717	703	297,588
	FTE/OBL	572	343,942	661	329,717	631	297,588

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Executive Leadership

Executive Leadership supports the leadership and management of NOAA and represents NOAA at the executive level with other Federal agencies, Congress, NOAA stakeholders, and private industry.

The Offices of the Under Secretary/Assistant Secretary and Deputy Under Secretary (USAO): These offices support NOAA's leadership. Program activities consist of formulating and executing policies for achieving NOAA objectives, responding to Executive Branch policy decisions, and exercising delegated authority in committing NOAA to courses of action. USAO also includes the following offices:

Office of Legislative and Intergovernmental Affairs (OLIA): This office serves as the primary liaison for NOAA with the members and staff of Congress. The office is responsible for the planning, direction, and coordination of legislative programs that are of immediate concern to the Office of the Under Secretary.

Office of Communications and External Affairs: This office is the principal point of contact for NOAA programs with the public and the news media. Its staff advises NOAA and other Departmental officials on all aspects of media relations and communication issues.

Office of International Affairs (OIA): This office coordinates NOAA and other leadership officials' relationships with international programs, as directed by the Office of the Under Secretary. The Director of the Office of International Affairs exercises a leadership role in establishing policies, guidelines, and procedures for NOAA's international programs.

Interagency Meteorological Coordination Office (IMCO): This office ensures Federal coordination functions for the Department pursuant to the Weather Research and Forecasting Innovation Act (Public Law No. 115-25, Title IV, sec. 402), as amended. The IMCO serves as the administrative headquarters of the Interagency Council on Advancing Meteorological Services, an Executive Branch office chartered under the authority of the Director of Science and Technology Policy. This office is funded through an assessment of funds from NWS, OAR, and NESDIS.

Office of General Counsel (OGC): OGC provides legal advice, review, and representation on a host of complex matters arising from the fulfillment of NOAA's mission. NOAA OGC ensures NOAA management decisions are made with necessary consideration of proper legal requirements, procedures, and options.

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Mission Services and Management

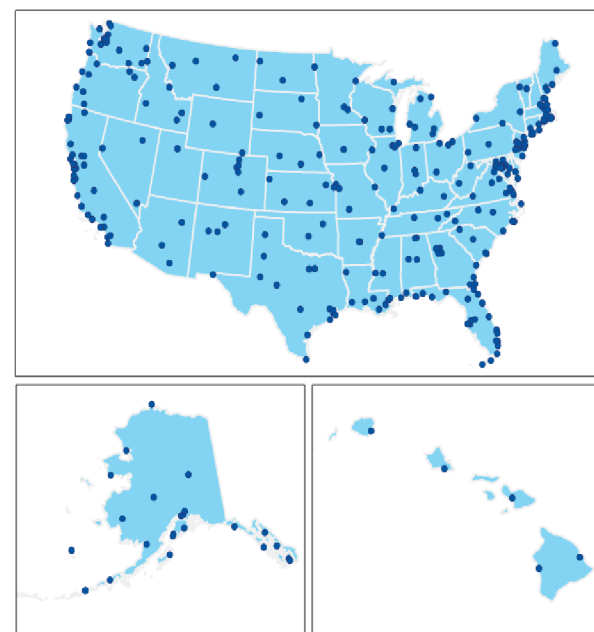
Mission Services and Management is the mission-enabling arm of NOAA that supports all operational activities and is essential to its success.

Acquisition and Grants Office (AGO): AGO provides high-value services to NOAA Line and Staff Offices, compliant with laws and regulations, on time, and at the best value to the government through the planning, solicitation, award, administration, and closeout of more than 210,000 acquisition and financial assistance transactions annually. NOAA's ability to accomplish its mission and achieve its goals depends significantly on AGO's ability to process over \$4 billion annually in accordance with statutory and regulatory requirements. In FY 2025, for example, AGO obligated over \$2.1 billion and managed over 2,900 active contracts and \$2.25 billion on over 2,000 financial assistance transactions.

In addition, NOAA continued its strong support of small businesses in FY 2025 by obligating 39 percent of funds to small businesses. This represents the third consecutive year AGO exceeded \$1 billion in total small business obligations.

Office of the Chief Administrative Officer (OCAO): NOAA's national scope and mission require a diverse portfolio of geographically distributed facilities. OCAO supports the NOAA mission through oversight, technical expertise, and support services of NOAA's assets, facilities, and infrastructure. NOAA's real property portfolio includes more than 600 facilities, including 4,675 acres of land, and 400 NOAA-owned facilities with an estimated replacement value of \$5 billion. OCAO also administers a personal property portfolio of approximately 141,000 personal property assets valued at over \$22 billion. Additionally, OCAO manages NOAA's Safety and Occupational Health program, coordinates security, credentialing, and antiterrorism risk protection, and ensures best business practices concerning records and financial controls.

Office of the Chief Financial Officer (OCFO): OCFO serves as NOAA's principal financial manager. NOAA has annual appropriated resources of over \$7.8 billion and recorded net capital asset value of \$12.5 billion in FY 2025. OCFO is responsible under the CFO Act for providing the oversight necessary for NOAA to materially contribute to DOC's unmodified opinion on the audit of its consolidated financial statements. The OCFO includes several offices: the Budget Office, Finance Office, and the



Current NOAA Footprint

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Performance, Risk, and Social Science Office (PRSSO). The Budget Office provides oversight and management of the budget process in addition to related outreach and communication. This includes coordinating the preparation of budget submissions and allocating and controlling the execution of all budgetary resources. The Finance Office ensures that NOAA financial statements and reports are accurate, supports the financial management system, and is responsible for the timely payment of bills. PRSSO leads and deploys best practices from performance development, economic analysis of NOAA's contribution to protecting lives and property, enterprise project management, as well as evaluation and evidence building to advance NOAA's mission. OCFO oversees the NOAA Direct Bill process enabling the assessment of Line and Staff Offices for their proportionate share to consolidate costs for unique enterprise-wide programs or services. CFO also oversees the Common Services account which provides resources for NOAA-wide activities and services provided through Memoranda of Understanding and/or Interagency Agreements and funds the Departmental Management Advances and Reimbursements account

Office of the Chief Information Officer (OCIO): NOAA OCIO delivers high-quality, operational technology services and security solutions to enable NOAA's operational, data, and science missions. Our operating model centers on centralized service delivery, enterprise-wide customer experience, and risk-based security, providing a secure and agile information enterprise with advanced computing capabilities. The OCIO delivers integrated networking, multi-platform cloud, and AI solutions to enable streamlined mission delivery and accelerate the use of AI at agency scale while ensuring enterprise-wide security for all information technology (IT) systems.

To drive organizational efficiency, the OCIO institutionalizes an enterprise-wide service delivery model. This includes providing enterprise software, website hosting, and help desk services that deliver streamlined, cost-effective capabilities across the agency. By consolidating these functions, we mitigate technical debt, eliminate duplicative support contracts, and maximize fiscal transparency. Collectively, this enterprise IT infrastructure connects and manages networks, telecommunications, and systems, enabling NOAA to perform data observations, ingestion, assimilation, modeling, processing, dissemination, and archiving at scales required to meet mission requirements. In addition, OCIO ensures the usability of Radio Frequency spectrum to radio users in the Department of Commerce.

Office of Human Capital Services (OHCS): OHCS delivers comprehensive human resources programs, services, and guidance that facilitate the acquisition, development, and retention of a highly skilled, motivated, and high-performing workforce capable of accomplishing the agency's mission. OHCS provides a wide range of human resources functions, including strategic workforce planning, labor-management and employee relations, recruitment and hiring, human resources program evaluation and quality assurance, HR policy guidance, performance management and incentives, executive and employee support, HR data analytics and forecasting, and HR information technology systems. OHCS optimizes every stage of the employee lifecycle to ensure organizational excellence.

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Office of Civil Rights (OCR): The Office of Civil Rights (OCR) at NOAA ensures compliance with Equal Employment Opportunity (EEO) and civil rights laws, preventing discrimination based on race, color, religion, sex (including sexual orientation and pregnancy), national origin, age (40 or older), genetic information, disability, or pregnancy accommodation. OCR employs Alternative Dispute Resolution (ADR) methods, such as mediation and facilitated discussions, to resolve workplace conflicts efficiently and amicably.

Workplace Violence Prevention and Response Program (WVPRP): The WVPRP provides a comprehensive approach to preventing and responding to workplace violence for all NOAA employees, contractors, and affiliates. The program emphasizes cross-sector collaboration, interdepartmental coordination, and trauma-informed practices to proactively address and effectively manage all forms of workplace violence, particularly focusing on sexual assault and sexual harassment (SASH).

IT Security

The IT Security Program ensures the resilience of NOAA's global digital infrastructure, safeguarding the data, networks, and intellectual property essential to NOAA's mission. As NOAA's reliance on hyperconnected systems grows, the program has evolved from traditional perimeter-based defense to a proactive, risk-based posture aligned with the Department of Commerce's Enterprise Zero Trust Architecture (ZTA). To maximize fiscal and operational impact, the program is consolidating fragmented security controls into unified enterprise services.

Payment to the Department of Commerce (DOC) Working Capital Fund (WCF)

The DOC WCF provides centralized services to NOAA's Line and Staff Offices in the most efficient and economical manner. Organizational units within DOC provide administrative, legal, information technology, financial, and policy support needed to accomplish NOAA's overall mission. The WCF was established pursuant to 5 USC 607 (15 USC 1521). Unlike other DOC bureaus, the NOAA contribution to the WCF is provided by specific allocation within the NOAA appropriation.

Facilities Maintenance

Addressing DM&R backlog requirements is key to reducing the pressure on mission funding. NOAA will continue to review DM&R requirements annually and prioritize them to ensure that the most critical issues are corrected first.

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Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Executive	Pos./BA	120	28,611	116	26,820	(4)	(1,791)
Leadership	FTE/OBL	110	28,611	109	26,820	(1)	(1,791)

Executive Leadership (-\$1,791, -1 FTE/ -4 Positions) – NOAA will reduce communications related support contracts and civil servant labor in the Executive Leadership PPA.

These funds will continue to support the Offices of the Under Secretary, Assistant Secretary and Deputy Under Secretary leadership activities consisting of formulating and executing policies for achieving NOAA objectives, responding to Executive Branch policy decisions, and exercising delegated authority in committing NOAA to courses of action. Funding provided also includes support for the Office of Office of Legislative and Intergovernmental Affairs to serve as the primary liaison for NOAA with the members and staff of Congress; Office of Communications and External Affairs as the principal point of contact for NOAA programs with the public and the news media; Office of International Affairs to coordinate NOAA and other leadership officials' relationships with international programs; and Office of General Counsel to provide legal advice, review, and representation on a host of complex matters arising from the fulfillment of NOAA's mission.

Schedule and Milestones:

FY 2027

- Reduce communications support contracts and civil servant labor through attrition and reduced hiring

Deliverables:

- Represent NOAA at the executive level with other Federal agencies, Congress, NOAA stakeholders, and private industry
- Plan, direct, and coordinate legislative programs that are of immediate concern to the Office of the Under Secretary
- Exercise a leadership role in establishing policies, guidelines, and procedures for NOAA's international programs
- Advise NOAA and other Departmental officials on all aspects of media relations and communication issues
- Ensure NOAA management decisions are made with necessary consideration of proper legal requirements, procedures, and options

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(1,791)	(1,791)	(1,791)	(1,791)	(1,791)
Capitalized	0	0	0	0	0
Uncapitalized	(1,791)	(1,791)	(1,791)	(1,791)	(1,791)
Budget Authority	(1,791)	(1,791)	(1,791)	(1,791)	(1,791)
Outlays	(1,093)	(1,594)	(1,684)	(1,755)	(1,791)
FTE	(1)	(1)	(1)	(1)	(1)
Positions	(4)	(4)	(4)	(4)	(4)

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Mission Support Services
Subactivity: Executive Leadership
Program Change: Executive Leadership

Title	Grade	Number	Annual Salary	Total Salaries
Administrative Officer	III	(1)	139,854	(139,854)
International Affairs Analyst	III/IV	(1)	195,200	(195,200)
Management and Program Analyst	III	(2)	139,854	(279,708)
Total		(4)		(614,762)
Adjustment		3		461,072
Total full-time permanent (FTE)		(1)		(153,691)
2027 Pay Adjustment (0.0%)				0
				(153,691)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(1)		
Total FTE		(1)		
Authorized Positions:				
Full-time permanent		(4)		
Total Positions		(4)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Mission Support Services
Subactivity: Executive Leadership

		2025	2026	2027	2027	Decrease
	Object Class	Actuals	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	14,632	14,564	14,615	14,461	(154)
11.3	Other than full-time permanent	(147)	0	0	0	0
11.5	Other personnel compensation	516	514	514	514	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	15,001	15,077	15,128	14,974	(154)
12	Civilian personnel benefits	5,151	5,127	5,232	5,178	(54)
13	Benefits for former personnel	294	292	292	292	0
21	Travel and transportation of persons	683	680	688	330	(358)
22	Transportation of things	14	14	14	14	0
23	Rent, communications, and utilities		0	0		
23.1	Rental payments to GSA	3,830	3,812	3,937	3,937	0
23.2	Rental Payments to others	272	271	278	271	(7)
23.3	Communications, utilities and misc charges	72	72	73	53	(20)
24	Printing and reproduction	13	13	13	13	0
25.1	Advisory and assistance services	317	316	320	255	(65)
25.2	Other services from non-Federal sources	1,839	1,683	1,733	895	(838)
25.3	Other goods and services from Federal sources	223	222	247	197	(50)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	90	89	89	89	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	184	183	186	133	(53)
31	Equipment	74	73	75	33	(42)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	306	305	305	155	(150)
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	Total obligations	28,363	28,230	28,610	26,819	(1,791)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Mission Services	Pos./BA	730	159,405	675	141,000	(55)	(18,405)
and Management	FTE/OBL	709	159,405	696	141,000	(13)	(18,405)

Mission Services and Management (-\$18,405, -13 FTE/ -55 Positions) – NOAA will continue to prioritize mission critical work across staff offices and take advantage of efficiencies where possible. NOAA will ensure adequate support for such activities as financial reporting, budgeting, information technology, acquisition and grants, human resource services, and facilities to continue to support NOAA's Line Offices.

Schedule and Milestones:

FY 2027

- Reduce support contracts and civil servant labor through attrition and reduced hiring

Deliverables:

- Capacity to support the Administration's acquisition and grants priorities
- Repair highest priority needs of facilities across the portfolio
- DOC's unmodified opinion on the audit of its consolidated financial statements
- Incorporation of machine learning and automation into security operations
- 24/7 workplace violence prevention advocacy and consultation services

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(18,405)	(18,405)	(18,405)	(18,405)	(18,405)
Capitalized	0	0	0	0	0
Uncapitalized	(18,405)	(18,405)	(18,405)	(18,405)	(18,405)
Budget Authority	(18,405)	(18,405)	(18,405)	(18,405)	(18,405)
Outlays	(11,227)	(16,380)	(17,301)	(18,037)	(18,405)
FTE	(55)	(55)	(55)	(55)	(55)
Positions	(13)	(13)	(13)	(13)	(13)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL

Activity: Mission Support Services

Subactivity: Mission Services and Management

Program Change: Mission Services and Management

Title	Grade	Number	Annual Salary	Total Salaries
Human Resources Specialist	III/IV	(8)	195,200	(1,561,600)
Human Resources Assistant	III	(1)	139,854	(139,854)
Grants Management Analyst	III/IV	(5)	195,200	(976,000)
Budget Analyst	III/IV	(3)	195,200	(585,600)
Auditor	III/IV	(1)	195,200	(195,200)
Accountant	III/IV	(11)	195,200	(2,147,200)
Financial Administration and Program Analyst	III/IV	(11)	195,200	(2,147,200)
Information Technology Specialist	III/IV	(9)	195,200	(1,756,800)
Management and Program Analyst	III	(6)	139,854	(839,124)
Total		(55)		(10,348,578)
Adjustment		42		7,902,550
Total full-time permanent (FTE)		(13)		(2,446,028)
2027 Pay Adjustment (0.0%)				0
				(2,446,028)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(13)		
Total FTE		(13)		
Authorized Positions:				
Full-time permanent		55		
Total Positions		55		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Mission Support Services

Subactivity: Mission Services and Management

		2025	2026	2027	2027	Decrease
	Object Class	Actuals	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	71,007	67,368	67,540	65,094	(2,446)
11.3	Other than full-time permanent	27	25	25	25	0
11.5	Other personnel compensation	(2,187)	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	68,846	67,393	67,565	65,119	(2,446)
12	Civilian personnel benefits	23,393	22,194	22,554	21,698	(856)
13	Benefits for former personnel	1,953	1,853	1,853	1,853	0
21	Travel and transportation of persons	1,530	1,452	1,464	1,252	(212)
22	Transportation of things	199	188	192	138	(54)
23	Rent, communications, and utilities		0	0		
23.1	Rental payments to GSA	10,640	10,095	10,226	10,226	0
23.2	Rental Payments to others	939	891	914	891	(23)
23.3	Communications, utilities and misc charges	567	538	547	538	(9)
24	Printing and reproduction	732	694	709	694	(15)
25.1	Advisory and assistance services	4,370	4,146	4,439	3,146	(1,293)
25.2	Other services from non-Federal sources	39,722	35,611	37,666	28,500	(9,166)
25.3	Other goods and services from Federal sources	10,247	9,722	10,034	5,722	(4,312)
25.4	Operation and maintenance of facilities	1	1	1	1	0
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	14	13	13	13	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	606	575	585	575	(10)
31	Equipment	372	353	362	353	(9)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	296	281	281	281	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	1	1	1	1	0
44	Refunds	0	0	0	0	0
99	Total obligations	164,427	156,000	159,405	141,000	(18,405)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
IT Security	Pos./BA	19	15,876	19	11,438	0	(4,438)
	FTE/OBL	17	15,876	17	11,438	0	(4,438)

IT Security (-\$4,438, 0 FTE/ 0 Positions) – With this level of funding, NOAA will prioritize support for critical security elements to enable organizational Mission. NOAA will defer the start date of the Continuous Authorization to Operate (cATO) Program to FY2029 and support Risk Management Framework (RMF) compliance activities to High Value Assets (HVA) systems only, accepting additional risk on behalf of NOAA systems.

The Internal Risk Management Program (IRMP) will attain operational National Insider Threat Task Force Full Operating Capability, providing enterprise capabilities Controlled Unclassified Information (CUI) oversight, National Security Presidential Memorandum (NSPM-33) research security implementation, enterprise insider risk detection and behavioral anomaly monitoring on a longer timeline.

NOAA will continue to take necessary action to reduce the risk of NOAA's ability to comply with 44 U.S.C. § 3554(a)(1)(A)(ii), providing information security protections commensurate with the risk and magnitude of the harm resulting from unauthorized access, use, disclosure, disruption, modification, or destruction of information systems used or operated by an agency or by a contractor of an agency or other organization on behalf of an agency.

Schedule and Milestones:

FY 2027-FY 2031

- Continue to track Federal Information Security and Modernization Act (FISMA), Cross-Agency Priority, and Reliability, Maintainability, Availability metrics for overall cybersecurity improvements across each NOAA Information system (Ongoing)
- Operational research security disclosure compliance, including Conflict of Interest/Conflict of Commitment and foreign support reporting, through manual or decentralized processes until enterprise monitoring capabilities are implemented (Ongoing)
- Deliver enterprise insider risk analytic capabilities required for National Insider Threat Task Force (NITTF) Full Operating Capability in phased approach (ongoing)

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

- Implementation of NOAA Information system to Continuous Authorization to Operate (cATO) (ongoing)
- Consolidation of NOAA Information Systems to provide organizational security and cost efficiencies (ongoing)
- Expansion of enterprise insider threat detection and analytic tools to expand monitoring capabilities across NOAA mission systems, research environments, cloud computing platforms, and enterprise data systems (ongoing)

Deliverables:

- Quarterly LO/SO Execution updates to CIO FISMA, Cross-Agency Priority, and Reliability, Maintainability, Availability reports. (Annually)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(4,438)	(4,438)	(4,438)	(4,438)	(4,438)
Capitalized	0	0	0	0	0
Uncapitalized	(4,438)	(4,438)	(4,438)	(4,438)	(4,438)
Budget Authority	(4,438)	(4,438)	(4,438)	(4,438)	(4,438)
Outlays	(2,707)	(3,950)	(4,172)	(4,349)	(4,438)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Mission Support Services
Subactivity: IT Security

		2025 Actuals	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
	Object Class					
11.1	Full-time permanent compensation	3,408	2,739	2,751	2,751	0
11.3	Other than full-time permanent	97	78	78	78	0
11.5	Other personnel compensation	47	38	38	38	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	3,552	2,855	2,867	2,867	0
12	Civilian personnel benefits	1,357	1,091	1,117	1,117	0
13	Benefits for former personnel	48	39	39	39	0
21	Travel and transportation of persons	29	23	23	23	0
22	Transportation of things	13	10	10	10	0
23	Rent, communications, and utilities		0	0	0	
23.1	Rental payments to GSA	624	502	547	547	0
23.2	Rental Payments to others	15	12	12	12	0
23.3	Communications, utilities and misc charges	142	114	116	114	(2)
24	Printing and reproduction	4	3	3	3	0
25.1	Advisory and assistance services	401	322	326	322	(4)
25.2	Other services from non-Federal sources	11,982	9,631	9,967	5,548	(4,419)
25.3	Other goods and services from Federal sources	932	749	760	749	(11)
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	1	1	1	1	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	82	66	67	66	(1)
31	Equipment	25	20	21	20	(1)
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	Total obligations	19,207	15,438	15,876	11,438	(4,438)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Facilities	Pos./BA	0	6,328	0	6,250	0	(78)
Maintenance	FTE/OBL	0	6,328	0	6,250	0	(78)

Facilities Maintenance (-\$78, 0 FTE/ 0 Positions) – NOAA will support prioritized deferred maintenance and repair backlog requirements.

Schedule and Milestones:

FY 2027

- Prioritize deferred maintenance and repair backlog requirements

Deliverables:

- Prioritized deferred maintenance and repair backlog requirements

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(78)	(78)	(78)	(78)	(78)
Capitalized	0	0	0	0	0
Uncapitalized	(78)	(78)	(78)	(78)	(78)
Budget Authority	(78)	(78)	(78)	(78)	(78)
Outlays	(48)	(69)	(73)	(76)	(78)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Mission Support Services
Subactivity: Facilities Maintenance

		2025	2026	2027	2027	Decrease
	Object Class	Actuals	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12	Civilian personnel benefits	0	0	0	0	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	14	23	23	23	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities			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	Communications, utilities and misc charges	0	0	0	0	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	909	1,521	1,529	1,521	(8)
25.2	Other services from non-Federal sources	2,313	3,870	3,934	3,870	(64)
25.3	Other goods and services from Federal sources	500	836	842	836	(6)
25.4	Operation and maintenance of facilities	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 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	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	Total obligations	3,736	6,250	6,328	6,250	(78)

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Office of Education

Goal Statement

The objectives of the Office of Education are to build capacity in science, technology, engineering, and mathematics (STEM) and environmental education through use of NOAA assets to reach more people in effective ways.

Base Program

The office supports NOAA's mission by working with students, educators, and the general public so they understand NOAA's science and can use it to make decisions. The office contributes to economic growth by fostering a skilled future workforce and providing quality educational opportunities such as competitive scholarships, internships, and professional training for postsecondary students.

Statement of Operating Objectives

Schedule and Deliverables:

OED

- Advance education both within NOAA and with the public we serve
- Educate and train students in NOAA mission-aligned fields through the José E. Serrano Educational Partnership Program and the Hollings Scholarship Program
- Support meaningful watershed education through the Bay Watershed Education and Training Program
- Engage the public in support of key mission areas through citizen science projects that address societal needs and accelerate science, technology, and innovation
- Coordinate educational activities across NOAA and with external partners to ensure that these efforts are effective and continually improve

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Office of Education	Pos/BA	15	20,837	15	34,950	15	35,066
	FTE/OBL	15	26,389	12	34,950	12	35,066
Hollings Scholarship	Pos/BA	0	7,668	0	0	0	0
	FTE/OBL	6	4,720	0	0	0	0
Total Office of Education	Pos/BA	15	28,505	15	34,950	15	35,066
	FTE/OBL	21	31,109	12	34,950	12	35,066

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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Office of Education	Pos./BA	15	35,066	0	0	(15)	(35,066)
	FTE/OBL	12	35,066	0	0	(12)	(35,066)

Terminate NOAA's Office of Education (-\$35,066 -12 FTE / -15 Positions) – This request proposes to eliminate funding for NOAA's Office of Education. This will terminate NOAA Education Program Base activities (\$5,500), the Bay Watershed Education and Training (B-WET) program (\$8,700), and the José E. Serrano Educational Partnership Program (EPP) (\$20,750). This program change reflects the Administration's intent to streamline operations and ensure that resources are directed towards the highest priority mission requirements.

**Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Office of Education

Subactivity: Office of Education

Program Change: Terminate NOAA's Office of Education

Title	Grade	Number	Annual Salary	Total Salaries
Office Director	ES	(1)	224,952	(224,952)
Supervisory Management and Program Analyst	ZA-IV	(1)	195,200	(195,200)
Program Manager	ZA-V	(1)	194,860	(194,860)
Supervisory Deputy Director	ZA-V	(1)	194,542	(194,542)
Program and Policy Analyst	ZA-IV	(2)	173,258	(346,516)
Education Coordinator	ZA-IV	(1)	171,442	(171,442)
Program Analyst	ZA-IV	(1)	167,482	(167,482)
Social Scientist	ZP-IV	(1)	159,670	(159,670)
Grants Management Specialist	ZA-IV	(1)	156,229	(156,229)
Communications Specialist	ZA-IV	(1)	142,945	(142,945)
Natural Resources Specialist	ZP-IV	(1)	141,330	(141,330)
Management Analyst	ZA-III	(1)	117,642	(117,642)
Grants Management Specialist	ZA-III	(1)	102,584	(102,584)
Program and Policy Analyst	ZA-III	(1)	93,730	(93,730)
Total		(15)		(2,409,124)
Adjustment		3		602,281
Total full-time permanent (FTE)		(12)		(1,806,843)
2027 Pay Adjustment (0%)				0
				(1,806,843)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(12)		
Total FTE		(12)		
Authorized Positions:				
Full-time permanent		(15)		
Total Positions		(15)		

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Office of Education

Subactivity: Office of Education

		2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
	Object Class					
11.1	Full-time permanent compensation	2,579	1,800	1,807	0	(1,807)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	100	132	132	0	(132)
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,679	1,932	1,939	0	(1,939)
12	Civilian personnel benefits	948	630	648	0	(648)
13	Benefits for former personnel	6	9	9	0	(9)
21	Travel and transportation of persons	46	65	66	0	(66)
22	Transportation of things	5	7	7	0	(7)
23	Rent, communications, and utilities		0	0	0	0
23.1	Rental payments to GSA	41	59	81	0	(81)
23.2	Rental Payments to others	4	6	6	0	(6)
23.3	Communications, utilities and misc charges	(4)	0	0	0	0
24	Printing and reproduction	2	3	3	0	(3)
25.1	Advisory and assistance services	65	93	94	0	(94)
25.2	Other services from non-Federal sources	2,193	3,114	3,174	0	(3,174)
25.3	Other goods and services from Federal sources	365	519	523	0	(523)
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	2	3	3	0	(3)
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	32	46	47	0	(47)
31	Equipment	27	38	39	0	(39)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	19,978	28,426	28,427	0	(28,427)
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	Total obligations	26,389	34,950	35,066	0	(35,066)

**Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE**
(Dollar amounts in thousands)

Activity: Construction

Goal Statement

The Construction activity ensures that NOAA has safe and modern facilities to support its critical science, service, and stewardship mission. NOAA facilities support experts across the Nation, delivering critical services from highly specialized laboratories, state-of-the-science data assimilation, modeling and prediction centers, satellite operations facilities, ship and aircraft operations centers, weather forecast offices, and fisheries and ocean science centers to ensure lives, livelihoods, and lifestyles of every American are maintained and/or improved.

Base Program

NOAA's real property portfolio has more than 600 facilities, including 4,675 acres of land, including around 400 NOAA-owned facilities with an estimated replacement value of \$5 billion. NOAA takes its fiduciary responsibilities seriously to ensure the portfolio can support its mission cost-effectively and ensure the safety and long-term sustainability for its employees and the Nation. Each facility requires financial investments for maintenance, repairs, and modernization to effectively sustain and evolve our science capabilities to support the current and future missions. Facilities analysis and construction planning activities are being utilized to enable NOAA to capture current and future mission requirements. NOAA endeavors to complete appropriate analyses, pre-design work, and design activities, as well as determine suitable acquisition strategies that make the actual construction phase as efficient and effective as possible. NOAA's facilities work includes the critical tasks of National Environmental Policy Act (NEPA) planning, special environmental studies, facilities condition surveys, and any other activities to help ensure the successful acquisition and completion of construction projects within budget and schedule.

Statement of Operating Objectives

Schedule and Deliverables:

- Allocate \$4.0 million for the repayment of the Judgment Fund for the La Jolla Settlement
- Prioritize funding for NOAA's capital investment facilities needs and deferred maintenance and repair backlog
- Continue construction of an additional laboratory at the Northwest Fisheries Science Center's Manchester Research Station
- Complete construction of the Newport Pier
- Initiate property disposals
- Continue lease procurement for expiring lease in Gloucester, MA

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

- Continue to coordinate with GSA on NOAA Headquarters lease re-compete or extension project
- Initiate projects on the Facilities Investment Plan that have Project Management Council approval

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base	
Comparison by subactivity		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Construction	Pos/BA	3	52,520	7	60,000	7	60,000
	FTE/OBL	8	32,878	7	60,000	7	60,000
Total Construction	Pos/BA	3	52,520	7	60,000	7	60,000
	FTE/OBL	8	32,878	7	60,000	7	60,000

NOAA Construction

Capital investment in new and existing facilities construction in accordance with the NOAA Facilities Strategic Plan and compliance with the NOAA Facilities Council guidance is critical to sustaining and evolving mission capabilities. Developing and effectively managing construction and repair projects on facilities that have major deferred maintenance issues corrects health and life safety issues, averts unplanned outages, emergency repairs and associated costs, reduces energy costs through the creation of more efficient and sustainable building systems, brings facilities up to current safety, environmental and building code standards, and minimizes overall sustainment costs while ensuring NOAA facilities support respective science missions.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Construction	Pos./BA	7	60,000	7	40,000	0	(20,000)
	FTE/OBL	7	60,000	7	40,000	0	(20,000)

NOAA Construction (-\$20,000, 0 FTE/ 0 Positions) – This request will provide for maintenance and repair of NOAA facilities across the Nation as NOAA's footprint is reduced. NOAA will also prioritize the new prospectus lease for HQ Silver Spring and finish furnishing, fit out and move into the MOC-A Newport facility occupancy in 2027.

At this funding level, NOAA will support the following:

Project Name	FY 2027 Estimate
Capital Improvements: Deferred Maintenance and Repair (DM&R) Projects	\$10,000
Leasehold Improvements	\$13,600
Planning	\$1,000
Design	\$5,400
Outfitting/Occupancy	\$4,000
Disposal	\$2,000
La Jolla California Contract Judgment Fund	\$4,000
Total	\$40,000

DM&R (PAC) - NOAA plans to prioritize its most critical projects within its extensive backlog of deferred maintenance and repair (DM&R). The capital improvements for DM&R projects are identified as those that extend the useful life of a facility or significantly improve the efficiency of facility systems.

Leasehold Improvements - NOAA plans to invest in leasehold improvement projects with the highest priority execution needs. The funding will be used to execute improvements and conduct requirements validation for various projects.

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National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

Planning – Funds will support the development of Program of Requirements for multiple locations.

Design – Development of the AE1 Design-Build Package, contracting an Architecture and Engineering (A&E) firm to define project requirements in terms of an achievable acquisition package for Strategic Initiatives in the Southeast Region.

Outfitting/Occupancy – NOAA requests funding for the costs associated with new furnishings, fixtures, and normal equipment associated with a new construction, renovated, repaired, or newly leased facility project and the need to relocate or move equipment, furnishing, and IT system(s). This request is linked to construction and lease projects funded in previous years.

Disposal - NOAA plans to dispose of property in accordance with the Federal Management Regulation (41 CFR §102-75) unless otherwise authorized by legislation.

Schedule and Milestones:

FY 2027

- Prioritize funding for NOAA's capital investment facilities needs based on the data collected through the facilities investment planning process
- Continue to conduct primarily design activities and complete planning activities for the three strategic priorities in the Northwest, Northeast, and Southeast regions with the most maintenance requirements, and where the highest modernization efforts are required
- Complete occupancy and outfitting for the MOC-A Newport Pier facility
- Continue various leasehold improvements efforts at locations such as Gloucester and HQ Lease Recompete Tenant Improvement efforts
- Continue executing deferred maintenance and repair and renovation projects throughout NOAA locations
- Continue executing from the annual disposal list
- Allocate \$4.0 million for the repayment of the Judgment Fund for the La Jolla Settlement

Deliverables:

FY 2027

- Finalize property disposal list

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Capitalized	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Uncapitalized	0	0	0	0	0
Budget Authority	(20,000)	(20,000)	(20,000)	(20,000)	(20,000)
Outlays	(12,200)	(17,800)	(18,800)	(19,600)	(20,000)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Outyear Funding Estimates:

NOAA Construction	2026 & Prior	2027	2028	2029	2030	CTC	Total
Change from 2027 Base	N/A	(20,000)	TBD	TBD	TBD	N/A	TBD
Total Request	394,347	40,000	TBD	TBD	TBD	N/A	TBD

*2026 & Prior includes funds from FY 2020-FY 2026

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Construction
Subactivity: NOAA Construction

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	1,114	982	982	982	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	29	29	29	29	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	1,143	1,011	1,011	1,011	0
12	Civilian personnel benefits	405	357	357	357	0
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	58	112	112	112	0
22	Transportation of things	0	0	0	0	0
23	Rent, communications, and utilities					
23.1	Rental payments to GSA	0	0	0	0	0
23.2	Rental Payments to others	0	0	0	0	0
23.3	Communications, utilities and misc charges	167	320	320	320	0
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	12,232	23,377	23,377	14,877	(8,500)
25.2	Other services from non-Federal sources	11,107	19,945	19,945	11,945	(8,000)
25.3	Other goods and services from Federal sources	3,287	6,298	6,298	5,298	(1,000)
25.4	Operation and maintenance of facilities	990	1,897	1,897	1,397	(500)
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	2,009	3,848	3,848	2,848	(1,000)
32	Lands and structures	1,480	2,835	2,835	1,835	(1,000)
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	Total obligations	32,878	60,000	60,000	40,000	(20,000)

**Department of Commerce
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations
Budget Estimates, Fiscal Year 2027**

Executive Summary

For FY 2027, NOAA requests a total of \$602,362,000 and 1,204 FTE/ 1,126 positions for the Office of Marine and Aviation Operations, including a net increase of \$91,862,000 and a decrease of 25 FTE/ 23 positions in program changes. OMAO is currently revolutionizing the platforms that NOAA depends on to deliver its science. Today, NOAA's ships are undergoing a generational overhaul, extending the life of existing vessels and infusing them with new technology. At the same time, investments in vessel recapitalization are delivering new ships designed to work in concert with uncrewed maritime systems to more efficiently survey our coasts and propel a stronger ocean economy. On-going investments continue to drive operational efficiencies across NOAA science at sea and in the air.

OMAO manages a variety of specialized ships, aircraft, and uncrewed systems that make up the NOAA fleet and play a critical role in the *in situ* collection of oceanographic, atmospheric, hydrographic, and fisheries data in support of NOAA's missions. The NOAA Fleet operates throughout the world supporting a wide array of NOAA missions including nautical charting, hurricane reconnaissance and research, and snow surveys. In addition, NOAA ships and aircraft provide emergency response capabilities. Following major natural and environmental disasters, NOAA ships and aircraft conduct emergency navigation hazard surveys that help ports reopen quickly and obtain aerial images of disaster-impacted areas. These surveys are often the only source of data providing critical information for first responders, disaster response, and residents.

NOAA ships range from large oceanographic research vessels capable of exploring the world's deepest oceans to smaller ships responsible for charting the shallow bays and inlets of the United States. OMAO also owns and operates NOAA's corporate uncrewed systems assets and supports the agency's transition to uncrewed systems operations. NOAA aircraft range in exceptional capabilities penetrating hurricanes and forecasting atmospheric rivers, to aircraft well-suited for water resource management data collection and marine mammal surveys where slower airspeeds and low altitudes are essential. OMAO is charged with the safe and efficient operation and maintenance of this NOAA fleet. OMAO also administers the NOAA-wide Diving and Small Boat Programs.

OMAO staff includes civilians along with the NOAA Commissioned Officer Corps, one of the Nation's eight uniformed services. The NOAA Corps officers have the skills to plan, prepare, and execute the acquisition of environmental and scientific data on land, at sea, and in the air. It supports all NOAA Line Offices, NOAA Headquarters, and the Department, and commands the NOAA fleet.

**Department of Commerce
National Oceanic and Atmospheric Administration
Office of Marine and Aviation Operations
Budget Estimates, Fiscal Year 2027**

Significant Adjustments:

Inflationary Adjustments

NOAA's FY 2027 Base includes a net increase of \$7,155,000 and decrease of 7 FTE/ 7 positions to account for the full funding requirement for certain inflationary adjustments to current programs for Office of Marine and Aviation Operations activities. This includes inflationary increases for labor and non-labor activities including benefits and rent charges from the General Services Administration.

Department of Commerce
National Oceanic and Atmospheric Administration
PROGRAM AND PERFORMANCE: DIRECT OBLIGATIONS
(Dollar amounts in thousands)

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
OFFICE OF MARINE AND AVIATION OPERATIONS (OMAO)											
Marine Operations and Maintenance	Pos/BA	505	232,243	612	225,000	612	228,669	612	204,000	0	(24,669)
	FTE/OBL	634	227,464	724	225,000	724	228,669	724	204,000	0	(24,669)
Aviation Operations and Aircraft Services	Pos/BA	85	49,161	91	41,199	91	41,843	91	40,500	0	(1,343)
	FTE/OBL	87	41,208	82	41,199	82	41,843	82	40,500	0	(1,343)
Autonomous Uncrewed Technology Operations	Pos/BA	12	22,930	18	24,000	18	24,291	18	21,677	0	(2,614)
	FTE/OBL	15	24,160	12	24,000	12	24,291	12	21,677	0	(2,614)
NOAA Commissioned Officer Corps	Pos/BA	382	66,868	394	71,000	387	73,551	369	66,039	(18)	(7,512)
	FTE/OBL	375	66,578	385	71,000	378	73,551	360	66,039	(18)	(7,512)
NOAA Community Project Funding / NOAA Special Projects	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	1,500	0	0	0	0	0	0	0	0
TOTAL OMAO - ORF	Pos/BA	984	371,202	1,115	361,199	1,108	368,354	1,090	332,216	(18)	(36,138)
	FTE/OBL	1,111	360,910	1,203	361,199	1,196	368,354	1,178	332,216	(18)	(36,138)
Marine and Aviation Capital Investments	Pos/BA	39	612,379	43	100,000	43	100,000	36	228,000	(7)	128,000
	FTE/OBL	36	111,215	31	100,000	31	100,000	26	228,000	(5)	128,000
TOTAL OMAO - PAC	Pos/BA	39	612,379	43	100,000	43	100,000	36	228,000	(7)	128,000
	FTE/OBL	36	111,215	31	100,000	31	100,000	26	228,000	(5)	128,000
Medicare Eligible Retiree Health Care Fund	Pos/BA	0	2,412	0	2,675	0	2,529	0	2,529	0	0
	FTE/OBL	0	2,412	0	2,675	0	2,529	0	2,529	0	0
NOAA Corps Commissioned Officers Retirement	Pos/BA	0	37,654	0	39,617	0	39,617	0	39,617	0	0
	FTE/OBL	0	37,654	0	39,617	0	39,617	0	39,617	0	0
OMAO Inflation Reduction Act (PAC)	Pos/BA	0	0	0	0	0	0	0	0	0	0
	FTE/OBL	0	96,675	0	0	0	0	0	0	0	0
TOTAL OMAO	Pos/BA	1,023	1,023,647	1,158	503,491	1,151	510,500	1,126	602,362	(25)	91,862
	FTE/OBL	1,147	608,866	1,234	503,491	1,227	510,500	1,204	602,362	(23)	91,862

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Marine Operations and Maintenance

Goal Statement

Support present and future NOAA data collection requirements and priorities, and maximize the service life of the NOAA Fleet through modernization, revitalization, maintenance, and repair. Support NOAA's ship priorities through execution of the annual Fleet Allocation Plan (FAP) and increase utilization of the NOAA Fleet. Optimize NOAA's observational platforms and unique workforce capabilities through continual development of our personnel's specialized skills. Attract, train, and retain the skilled workforce required to maintain safe and efficient operations through employee-focused organizational changes designed to increase retention, improve quality of life, and strengthen mission performance. Continue to modernize the fleet by incorporating emerging technologies, often deployed by the NOAA Fleet to expand range, capabilities, and data collection.

Base Program

Marine Operations and Maintenance supports centralized management for NOAA's research and survey vessels, which operate throughout the world supporting multiple missions including earth system assessments, fisheries research, nautical charting, and ocean intelligence and surveillance. Given the diverse portfolio of NOAA Line Office Program priorities and responsibilities, a single vessel type cannot meet all of NOAA's missions. Thus, NOAA ships range from large oceanographic research vessels capable of mapping the world's deepest oceans, to smaller ships responsible for charting the nearshore port systems of the United States. Marine Operations is based in Newport, Oregon, and manages OMAO's three Marine Centers located in Norfolk, Virginia, Newport, Oregon, and Honolulu, Hawaii, and additional port offices around the country. OMAO also supports maritime operations activities in Headquarters, including the Small Boat program and the NOAA Diving Program.

Statement of Operating Objectives

Schedule and Milestones:

FY 2027 - FY 2031

- Modernize shipboard communications, data acquisition, transfer, processing, and data sharing by incorporating emerging technologies that enable remote acquisition, efficient transfer, shoreside processing, and improved collaboration across NOAA line offices
- Improve retention and productivity of deployed crews through staffing models, training, and onboard technologies

Department of Commerce
National Oceanic and Atmospheric Administration
Operations, Research and Facilities
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

- Integrate the Fleet Maintenance Plan based on Material Condition Assessments (MCA) for each vessel as developed through close collaboration with the American Bureau of Shipping
- Conduct Ship Structure and Machinery Evaluations on the NOAA Fleet per ABS requirements
- Complete Operational Readiness Training for all ship personnel to uphold safety standards on all NOAA vessels
- Perform program funded and reimbursable Days at Sea (DAS) as scheduled in the Fleet Allocation Plan
- Provide diver certification, technical advice, and standardized equipment support for dive operations
- Provide on-site inspections and risk assessments for NOAA's vessels and small boats

Deliverables:

FY 2027 – FY2031

- Annual ship schedules and milestones met as outlined in the Fleet Allocation Plan
- Enhanced safety for NOAA's small boat operations
- Approximately 2,295 DAS provided to support NOAA mission requirements of all NOAA Line Offices
- A standardized 2:1 rotational staffing model implemented fleet-wide by FY 2031, consistent with industry best practices
- Standardized technical and operational support provided for over 400 divers across NOAA

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Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Marine Operations and Maintenance	Pos/BA	505	232,243	612	225,000	612	228,669
	FTE/OBL	634	227,464	724	225,000	724	228,669
Total Marine Operations and Maintenance	Pos/BA	505	232,243	612	225,000	612	228,669
	FTE/OBL	634	227,464	724	225,000	724	228,669

The OMAO fleet comprises 16 vessels, supporting the DAS that gather the mission-critical data for NOAA's weather forecasts, ecosystem assessments, and navigational charts. These operations support national security and economic prosperity by ensuring sustainable fisheries, safe and efficient maritime trade, and reliable weather and environmental products for the American public. In practice, annual DAS estimates are determined by first accounting for fixed operational requirements, including staffing, training, facilities, and baseline maintenance and then scaling all remaining resources to achieve the highest possible number of days at sea. More DAS may be added during the year of execution through funding provided by other NOAA Line Office programs and agencies external to NOAA, contingent upon vessel and resource availability.

In FY 2027, NOAA will deliver 2,295 DAS to fulfill the highest-priority requirements for fisheries surveys, hydrographic mapping, and ocean intelligence. At this funding level, NOAA will maintain the operational readiness of 15 of NOAA's 16 vessels in the fleet. This includes the integration of the *Oceanographer* into the fleet and final delivery of the *Discoverer*, which will replace the *Okeanos Explorer* in Newport, RI. While these new assets join the fleet, the *Oscar Dyson* will remain offline throughout FY 2027 to undergo a Modernization & Revitalization Project (MRP) to upgrade its technology and extend its service life by 20 years. In FY 2027, NOAA will continue to implement the rotational staffing model for professional mariners, which strengthens NOAA's ability to attract and retain the specialized talent required to operate its sophisticated fleet within a strained global maritime labor market.

In FY 2027, NOAA will address 95 percent of planned maintenance requirements to ensure continued fleet reliability. NOAA's maintenance strategy is guided by the MCA program, which is a collaborative effort with the American Bureau of Shipping to evaluate vessel health and identify repairs before they impact fleet readiness. The MCA program enables NOAA to strategically

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manage its aging fleet and allocate resources toward the most critical mission requirements. This approach stabilizes the fleet's condition, reducing the likelihood of compounding repair costs and cancelled missions often caused by deferred maintenance.

In addition to vessel management, Marine Operations and Maintenance supports the following activities:

NOAA Dive Program: The NOAA Dive Center provides diver certification, technical advice, and a standardized equipment program. The NOAA Dive Center, in cooperation with the NOAA Diving Control and Safety Board, issues safe diving standards and practices, according to the Standards of Training, Certification and Watchkeeping for Seafarers and the International Maritime Organization conventions. NOAA maintains approximately 400 divers who perform over 12,000 dives annually in support of NOAA's mission. Fleet divers help maintain NOAA's ships with tasks such as cleaning propellers and sea strainers, surveying hulls for damage, and installing transducers. NOAA divers' work also includes installation of observing systems such as tide gauges. Scientists trained as divers also study and describe the habitats and species that NOAA is mandated to protect and manage. These activities enable NOAA to meet requirements and mandates, enhance customer service and operational safety, and facilitate self-sufficiency at sea.

NOAA Small Boat Program: The Small Boat Program is designed to reduce risk, promote standardization, and enhance the safety of NOAA's small-boat operations. It enforces the policy of the safety program and ensures compliance through onsite inspections, risk assessments and marine incident investigations. NOAA maintains over 400 small boats, which are operated and funded within the Line Offices. The Small Boat Program provides technical and marine engineering assistance to Line Office field units as needed and to the NOAA Small Boat Safety Board to ensure compliance with the NOAA Small Boat Standards and Procedures Manual Requirements.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Marine Operations and Maintenance	Pos./BA	612	228,669	612	204,000	0	(24,669)
	FTE/OBL	724	228,699	724	204,000	0	(24,669)

Sustain NOAA Fleet Operations (-\$24,669, 0 FTE/ 0 Positions) – At this funding level, NOAA will deliver 2,000 Days at Sea in FY 2027 focused on supporting Administration priorities. NOAA will work to sustain rotational staffing models and will support fleet maintenance requirements. OMAO completed 1,974 DAS in FY 2025.

OMAO will work with the NOAA Fleet Council to determine which missions will proceed and will support Administration priorities. Consistent with the Administration's budget request, NOAA will eliminate Days at Sea previously used to support terminated programs within the Office of Oceanic and Atmospheric Research and the National Centers for Coastal Ocean Science. NOAA also will use uncrewed systems as a force multiplier that makes missions more productive and efficient. For example, the productivity of hydrographic surveys will increase by up to 40 percent.

Schedule and Milestones:

FY 2027

- Support fleet maintenance requirements

Deliverables:

FY 2027

- 2,000 DAS

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Performance Measures

	2027	2028	2029	2030	2031
Days at Sea					
With Decrease	2,000	2,000	2,000	2,000	2,000
Without Decrease	2,295	2,295	2,295	2,295	2,295
Outyear Costs:					
Direct Obligations	(24,669)	(24,669)	(24,669)	(24,669)	(24,669)
Capitalized	(17,378)	(17,378)	(17,378)	(17,378)	(17,378)
Uncapitalized	(7,291)	(7,291)	(7,291)	(7,291)	(7,291)
Budget Authority	(24,669)	(24,669)	(24,669)	(24,669)	(24,669)
Outlays	(15,048)	(21,955)	(23,189)	(24,176)	(24,669)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Marine Operations and Maintenance
Subactivity: Marine Operations and Maintenance

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	49,118	51,575	51,657	51,657	0
11.3	Other than full-time permanent	110	4	4	4	0
11.5	Other personnel compensation	20,332	19,588	19,588	19,588	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	69,560	71,167	71,249	71,249	0
12	Civilian personnel benefits	22,424	21,786	22,149	22,149	0
13	Benefits for former personnel	338	299	299	299	0
21	Travel and transportation of persons	7,228	8,660	8,716	8,074	(642)
22	Transportation of things	1,092	421	445	445	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	2,171	2,005	2,078	2,078	0
23.2	Rental Payments to others	2,814	54	116	116	0
23.3	Communications, utilities and misc charges	5,572	10,501	10,580	10,580	0
24	Printing and reproduction	10	22	22	22	0
25.1	Advisory and assistance services	7,512	8,585	8,706	8,706	0
25.2	Other services from non-Federal sources	72,948	67,776	69,238	53,260	(15,978)
25.3	Other goods and services from Federal sources	10,158	4,434	4,627	3,559	(1,068)
25.4	Operation and maintenance of facilities	0	0	0	0	0
25.5	Research and development contracts	1	1	9	9	0
25.6	Medical care	0	0	0	0	0
25.7	Operation and maintenance of equipment	3	0	0	0	0
25.8	Subsistence and support of persons	3	0	0	0	0
26	Supplies and materials	20,010	27,744	28,811	22,162	(6,649)
31	Equipment	4,084	1,360	1,439	1,107	(332)
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	1,527	185	185	185	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	1		0	0	0
44	Refunds	8		0	0	0
99	Total obligations	227,464	225,000	228,669	204,000	(24,669)

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Activity: Aviation Operations and Aircraft Services

Goal Statement

Provide centralized aircraft systems operation, management and coordination of all airborne activity, support NOAA's airborne requirements and priorities through execution of the Aircraft Allocation Plan and safely modify, maintain, and operate NOAA aircraft.

Base Program

NOAA's Aviation Operations and Aircraft Services provide scientists with airborne platforms equipped with comprehensive data collection systems that are capable of assessing severe weather, coastal and marine resources, and the dynamics of these complex systems to maintain economic and maritime security. Among their missions, NOAA's diverse and versatile aircraft fly into hurricanes to best predict the track and intensity. They also collect snowpack measurements to forecast water supplies and spring flooding events, and air chemistry data critical to public health. NOAA aircraft are capable of carrying specialized sensors for coastal mapping, emergency response, and shallow-water bathymetric data collection, providing essential data for nautical charts and safe navigation.

Statement of Operating Objectives

Schedule and Milestones:

FY 2027 - FY 2031

- Perform base funded, program funded, and reimbursable flight hours as scheduled in the Aircraft Allocation Plan, dependent on the quantity of qualified NOAA Corps officers
- Meet annual aircraft schedules and milestones as outlined on the Aircraft Allocation Plan
- Conduct aircraft maintenance necessary for safe operations, ensuring data availability to NOAA programs
- Provide training for NOAA Corps pilots

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Deliverables:

FY 2027 – FY2031

- Approximately 4,602 flight hours to include an estimated 2,751 support and base funded hours and 1,851 program funded hours
- Maintain NOAA aircraft to FAA standards of operations
- Maintain flight certifications for NOAA Corps pilots
- Other deliverables determined on a project-by-project basis as documented in project flight instructions

Explanation and Justification

<u>Comparison by subactivity</u>		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Aviation Operations & Aircraft	Pos/BA	85	49,161	91	41,199	91	41,843
	FTE/OBL	87	41,208	82	44,915	82	41,843
Total Aviation Operations and Aircraft Services	Pos/BA	85	49,161	91	41,199	91	41,843
	FTE/OBL	87	41,208	82	44,915	82	41,843

OMAO's Aircraft Operations Center, located at the Lakeland Linder Regional Airport in Lakeland, FL, operates and maintains NOAA's fleet of 10 aircraft in support of NOAA's mission to understand and predict changes in weather, oceans, and coasts, as well as to assist in conserving and managing coastal and marine ecosystems and resources. The Aircraft Operations Center provides capable, mission-ready aircraft and professional crews to safely meet NOAA's scientific and operational mission requirements and priorities by supporting coastal mapping, flood prediction, hurricane prediction and modeling, atmospheric river monitoring, and coastal erosion missions, as well as oil spill investigations and air quality studies. These aircraft also provide immediate, high-resolution emergency disaster response imagery, helping to assess damage and identify risks following natural disasters.

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NOAA aircraft operate in some of the world's most demanding flight regimes such as flying into the eye of a hurricane and maneuvering at low altitudes over mountainous terrain and open ocean areas. Each aircraft requires a minimum number of qualified NOAA Corps pilots, funded through the NOAA Commissioned Officer Corps PPA, to conduct safe and efficient operations. OMAO also ensures that contracted aviation operations are conducted safely by providing technical support, services, and equipment to other NOAA Line Offices. The AAP details the objective and duration of individual NOAA projects and identifies necessary repair and maintenance periods on specific NOAA aircraft. Demands for time aboard NOAA aircraft are governed by the NOAA Fleet Council and outlined in the AAP.

These include:

- OMAO funded hours, which are dedicated to NOAA's scientific missions and are entirely funded by the Aviation Operations and Aircraft services PPA.
- Program funded hours, which may be funded by programs during the year of budget execution, based on funding and aircraft availability, and rely on OMAO's flight crews and maintenance for safe and efficient operations. Program-funded flight hours can support any NOAA mission approved by the Fleet Council, including hurricane surveillance and reconnaissance, and are established through Service Level Agreements with NOAA programs, and reimbursable agreements with other agencies.
- Support hours, including training, calibration, and maintenance flights. These hours ensure the crew and aircraft can safely and accurately collect data in support of NOAA's scientific missions. Support hours have increased in recent years because the NOAA Corps has added more aviators to accommodate the growing demand for airborne missions.

In FY 2027, funding will allow the Aircraft Operations Center to provide approximately 4,602 flight hours in support of NOAA scientific airborne activities, as long as qualified NOAA Corps officers are onboard. NOAA will operate 10 aircraft and calibrate the first G-550. NOAA will provide hours for hurricane reconnaissance missions operated on the WP-3D aircraft. NOAA will also provide \$2.4 million, equal to FY 2026, for atmospheric rivers. At this level, NOAA will fly 160 hours on its specialized high-altitude jet in support of atmospheric river observations from outside of the continental U.S. during peak season.

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NOAA's Fleet Council will prioritize remaining resources to NOAA's other critical missions that deliver the most impactful NOAA science, which will determine actual flight hours. Among the Fleet Council's decisions, they will balance NOAA's high-altitude jet hours among core missions, including hurricane season. NOAA will also consider the time required for aviators to qualify for specialized missions and certification requirements. NOAA aviators received specialized training that allows them to access extreme altitude or severe weather, and this capability requires hundreds of hours of flight time, including time flying missions. In addition to training, aviators must keep their certifications current to maintain compliance with FAA requirements and federal policies.

NOAA's fleet requires periodic maintenance efforts to ensure the aircraft are in compliance with Original Equipment Manufacturer service instructions in order to maintain the FAA standards of operations and be able to continue the critical mission support for the nation. As aircraft age, the amount of maintenance required increases as parts wear out and extra inspections are conducted to comply with FAA regulations. NOAA's aircraft fleet also requires routine maintenance on major components and recurring inspections based on the number of hours flown and months of operation. NOAA's aircraft operate throughout the United States and around the world over open oceans, mountains, coastal wetlands, and the Arctic. NOAA's versatile fleet of aircraft range from heavy, high-altitude jets to nimble twin-engine turboprops, which provide a diverse set of capabilities necessary to meet NOAA's varied research and operational demands. NOAA possesses two Beechcraft King Air 350CERs and one King Air 360CER.

These aircraft are essential to conduct coastal mapping, snow and soil moisture surveys, and emergency response missions. With a range of approximately 2,300 nautical miles, the King Airs can provide seven to eight hours of continuous airborne data collection, using advanced onboard remote sensing systems. Among other taskings, these aircraft support aerial surveys of damage in communities following natural disasters such as hurricanes, tornadoes, wildfires, and flooding. These surveys provide vital information to emergency managers, forecasters, and community members, allowing them to make potentially life-saving decisions.

NOAA also possesses four De Havilland DHC-6-300 Twin Otters, known for their short takeoff and landing capabilities, stability at low speeds, and high external visibility. The Twin Otters are specially outfitted to support airborne marine mammal, remote sensing, air chemistry, and emergency response missions. In cooperation with NOAA's National Ocean Service, these aircraft also use advanced Light Detection and Ranging (LiDAR) to capture high-resolution images that are utilized to create nautical charts, define boundaries of the U.S. Exclusive Economic Zone, and assess storm damage. These outcomes benefit the maritime economy by ensuring safe maritime navigation and providing rapid response to impacted communities following disaster events.

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The NOAA fleet also includes one Gulfstream IV-SP (G-IV) jet. One of NOAA's heavy aircraft, the G-IV is a high-altitude, high-speed platform used for hurricane forecasting and research. The G-IV flies above and around developing tropical cyclones to provide a detailed image of the upper atmosphere surrounding a storm system. GPS-enabled dropsondes, tube-like instruments that measure pressure, humidity, temperature, wind direction and speed, are deployed from the G-IVs and data are transmitted to the NOAA National Center for Environmental Prediction and National Hurricane Center for inclusion in hurricane models.

Additionally, the aircraft is equipped with a very unique vertically scanning Tail Doppler Radar (TDR) that can provide a 3D cross section of the storm structure and associated wind speeds. With the TDR and dropsondes data, the storm track and intensity forecast accuracy can improve by as much as 24 percent. Outside of hurricane season, which lasts from June through the end of November, the G-IV supports the monitoring of atmospheric rivers, a weather phenomenon that can bring catastrophic flooding and landslides to the U.S. West Coast. The atmospheric river missions aid in collecting vital information that improve forecast accuracy and helps communities prepare for and respond to significant weather events.

The G-IV, acquired by NOAA in 1996, is approaching the end of its service life. It will be replaced by two highly modified Gulfstream G550 aircraft. The G550s will possess several improved capabilities including enhanced microwave sounding, humidity, and wind measurements, which could improve the hurricane model forecasts that rely on these data.

NOAA's two Lockheed WP-3D Orion (WP-3D) "Hurricane Hunters" are two of NOAA's heavy aircraft that specialize in hurricane reconnaissance and research but are also utilized to carry out atmospheric and air chemistry missions. Unlike the G-IV, the P-3s fly directly into the eye of a hurricane at a low altitude (8,000 - 10,000ft), taking critical measurements of inside the storm. The highly trained crew aboard the P-3s, which include NOAA Corps pilots and civilian crewmembers, deploy GPS dropsondes to capture measurements of pressure, humidity, temperature, and wind direction and speed, painting a detailed picture of the storm structure and intensity. NOAA has recently made significant progress with the use of air-launched uncrewed systems from the P-3 into the storms to provide additional information to the users of the data.

Outfitted with tail Doppler and lower fuselage radar, the P-3s scan tropical storms both vertically and horizontally providing a comprehensive three-dimensional view of internal storm conditions for users such as those at the NOAA Atlantic Oceanographic and Meteorological Laboratory, the Environmental Modeling Center, and the National Hurricane Center. The information collected by these systems allow forecasters and researchers to see the internal structure of the storm in near real-time, helping to bolster forecasts and improve storm track accuracy, ultimately saving lives and property. When not supporting the hurricane season, the WP-3D Orion's can be reconfigured to support missions such as satellite calibration/validation, air chemistry, coastal mapping/emergency response, tornado research, and many more.

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		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u>		<u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Aviation Operations and Aircraft Services	Pos./BA	91	41,843	91	40,500	0	(1,343)
	FTE/OBL	82	41,843	82	40,500	0	(1,343)

Prioritize Flight Hours (-\$1,343, 0 FTE/ 0 Positions) - At this funding level, NOAA will provide 4,512 flight hours prioritizing hurricane reconnaissance, emergency response mapping, and coastal mapping missions that save lives, protect property, and support safe navigation and maritime trade, and continue to provide its specialized high-altitude jet in support of atmospheric river observations during peak season.

NOAA will support operational hurricane missions using the P-3s and some missions using the G-IV supporting hurricane forecasts up to four days out from landfall. NOAA will also support the highest priority lifesaving flood forecasting missions and shoreline mapping necessary for accurate nautical charting. Consistent with the Administration's budget request, NOAA will eliminate flight hours previously used to support programs within the Office of Oceanic and Atmospheric Research and marine mammal population assessments within the National Marine Fisheries Service. Specific missions conducted in FY 2027 and the associated flight hours will be determined by the NOAA Fleet Council.

Schedule, Milestones, and Deliverables:

FY 2027 - FY 2031

- 4,512 flight hours for prioritized missions, including hurricane reconnaissance

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Performance Measures	2027	2028	2029	2030	2031
Flight Hours					
With Decrease	4,512	4,512	4,512	4,512	4,512
Without Decrease	4,602	4,602	4,602	4,602	4,602
Outyear Costs:					
Direct Obligations	(1,343)	(1,343)	(1,343)	(1,343)	(1,343)
Capitalized	0	0	0	0	0
Uncapitalized	(1,343)	(1,343)	(1,343)	(1,343)	(1,343)
Budget Authority	(1,343)	(1,343)	(1,343)	(1,343)	(1,343)
Outlays	(819)	(1,195)	(1,262)	(1,316)	(1,343)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Aviation Operations and Aircraft Services

Subactivity: Aviation Operations and Aircraft Services

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	9,661	8,717	8,729	8,729	0
11.3	Other than full-time permanent	2	1	1	1	0
11.5	Other personnel compensation	819	178	178	178	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	10,482	8,896	8,908	8,908	0
12	Civilian personnel benefits	3,629	3,140	3,184	3,184	0
13	Benefits for former personnel	7	1	1	1	0
21	Travel and transportation of persons	2,938	2,506	2,529	2,089	(440)
22	Transportation of things	172	18	22	22	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	341	343	355	355	0
23.2	Rental Payments to others	2,433	2,439	2,492	2,492	0
23.3	Communications, utilities and misc charges	766	142	153	153	0
24	Printing and reproduction	1	5	5	2	(3)
25.1	Advisory and assistance services	1,888	3,999	4,029	4,029	0
25.2	Other services from non-Federal sources	14,278	10,847	11,133	11,133	0
25.3	Other goods and services from Federal sources	738	974	988	888	(100)
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	44	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	2,902	7,816	7,970	7,170	(800)
31	Equipment	58	50	51	51	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	529	23	23	23	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	2	0	0	0	0
99	Total obligations	41,208	41,199	41,843	40,500	(1,343)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: Autonomous Uncrewed Technology Operations (AUTO)

Goal Statement

Execute NOAA missions with corporately owned and operated uncrewed systems (UxS) platforms. Transition NOAA missions onto UxS by developing, testing, and implementing new UxS platforms. Support uncrewed marine and aircraft system operations across NOAA by providing a center of technical expertise and coordinated policies, training, acquisition, and operations.

Base Program

UxS technology encompasses a wide range of platforms, from very small uncrewed aerial drones, to large multi-million-dollar surface and underwater marine systems designed to operate and collect data in data sparse regions. UxS include Uncrewed Aircraft Systems (UAS), Uncrewed Marine Systems (UMS) surface and underwater vehicles, and Remotely Operated Vehicles. The technology continues to evolve rapidly and is invaluable in supporting NOAA priorities such as mapping the U.S. EEZ, fishery assessments, and meteorological observations including hurricane research and surveillance missions.

To efficiently advance the use of this technology across NOAA, the UxS Operations Center centrally manages UxS platforms and standardizes safety, training, and inspections. It strategically plans UxS acquisition and operations, consistent with NOAA's priorities and data needs, and supports the transition of UxS into operations. The UxS Operations Center serves NOAA missions through private sector contracts and NOAA owned, operated, and maintained UxS. The NOAA Uncrewed Systems Executive Oversight Board (co-chaired by OAR and OMAO) will continue to coordinate UxS activities across NOAA.

Statement of Operating Objectives

Schedule and Milestones:

FY 2027 - FY 2031

- Operate NOAA-owned uncrewed surface vehicles (USV's) and execute contracted UxS for NOAA's mission data needs
- Continue to transition UxS into routine operations
- Refine UxS concepts of operations and establish staffing, training, and maintenance regimes
- Provide UxS operational support to NOAA from field locations including Gulfport, MS; Lakeland, FL; and Newport, OR
- Establish centralized contracting vehicles to ensure competitive pricing for UxS procurements and services

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(Dollar amounts in thousands)

- Provide UAS operational approvals, airworthiness inspections, training standardization, and coordination of airspace approvals
- Train NOAA personnel to operate and maintain UxS
- Develop, maintain, and coordinate UxS policies to integrate the latest technology, ensure security standards and conduct safe operations
- Participate as a member of the U.S. Coast Guard's Automated and Autonomous Vessel Policy Council

Deliverables:

FY 2027 – FY2031

- Four NOAA-owned and operated USV's
- Routine operations of UxS for weather, mapping, and fisheries missions
- Transition of NOAA UxS missions from research to routine operations
- Technical support of UxS projects in support of NOAA priorities
- UMS services missions executed through private sector contracts across priority NOAA mission areas
- A trained workforce, refined priorities, and mature concepts of operations to integrate UxS on Class B ships
- Sound oversight of the purchase and/or lease of proven UxS
- Safety and compliance with aviation and maritime regulations and policy

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(Dollar amounts in thousands)

Explanation and Justification

Comparison by subactivity		2025 Actual		2026 Enacted		2027 Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Autonomous Uncrewed	Pos/BA	12	22,930	18	24,000	18	24,291
Technology Operations	FTE/OBL	15	24,160	12	24,000	12	24,291
Total Autonomous Uncrewed	Pos/BA	12	22,930	18	24,000	18	24,291
Technology Operations	FTE/OBL	15	24,160	12	24,000	12	24,291

The Autonomous Uncrewed Technology Operations program promotes the safe, efficient, and economical operation of UxS that NOAA uses to collect high-quality data for the agency's science, products, and services. Deploying UxS has the potential to increase economic security while accelerating high-growth industry clusters. UxS equips NOAA's ships and aircraft with additional capabilities to collect mission critical data more efficiently in higher resolution, or with reduced risk. They also allow NOAA to collect data from remote, inaccessible locations. NOAA currently uses UxS for seafloor mapping, ocean exploration, fishery stock assessments, emergency response, and hurricane surveillance.

Often, emerging technologies struggle to move beyond the research stage because resources are unavailable for the final testing, development of concepts of operations, and other activities to integrate them into routine operations. Since its inception in FY 2020, the UxS Operations Center has addressed this challenge through academic, intergovernmental, and private sector partnerships. Efforts to conduct agency-wide data acquisition from UMS support approximately \$11 million in contracts to private sector assets and data buys to execute NOAA missions using uncrewed platforms. The UxS Operations Center also supports approximately \$5 million in research and development projects with university partnerships, to accelerate the transitions of UxS technology and measurably increase the reliability, capacity, efficiency, and safety of NOAA missions through UxS. Through these partnerships and programs, NOAA has identified the most promising technologies and best practices to use UxS across the organization, and is preparing to move forward with in-house operations to support NOAA missions. In FY 2023, OMAO achieved initial operating capability of unmanned marine systems (UMS) and integrated UMS assets into NOAA's fleet with the addition of two uncrewed surface vehicles (USVs), the *DriX 12* and *DriX 23*.

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In FY 2027, OMAO will prioritize strengthening the operational capabilities of NOAA's current fleet of USVs. This focus is essential to maximize NOAA's ability to map and chart U.S. coastlines and provide disaster response, thereby reinforcing the agency's mission and delivering a strong return on the public investment already made in UxS research and development. The NOAA fleet is expanding with two additional USVs, doubling NOAA's in-house capabilities to support NOAA's hydrographic survey missions. OMAO will conduct operational testing and operator training to ensure the USVs are mission-ready when NOAA ship *Surveyor* is expected to be delivered in FY 2028. NOAA will utilize these in-house UxS assets for hydrographic surveys to map the U.S. EEZ and provide disaster response. By leveraging NOAA's assets, NOAA will be able to increase the efficiency, effectiveness, and safety of NOAA's at-sea survey missions. These efforts combined with the UxS data buys will provide critical science, service, and economic security to the American people by improving the flow of commerce, increasing U.S. ocean intelligence, informing extreme weather forecasts, enabling sustainable U.S. seafood, and supporting safe maritime navigation.

NOAA is working to accelerate the adoption and use of UxS for hurricane reconnaissance, forecasting, and research. This is a multi-disciplinary, multi-year effort to leverage the full potential and use of UxS for hurricanes. With these efforts now, NOAA will vastly and safely increase the amount of data collected from around, under, and within the storm. NOAA is utilizing UxS to gather the data that would otherwise not be obtainable without severe risk to personnel and equipment. This coordinated effort across NOAA involves advancing Beyond Visual Line of Sight (BVLOS) UAS capabilities, as well as deploying aircraft-launched UAS to collect critical data from the aircraft's flight levels to the ocean surface, USVs that penetrate into the storm to provide high impact air-sea flux data, and a fleet of underwater buoyancy gliders to provide ocean heat content data which improves intensity forecast skill.

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PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Autonomous							
Uncrewed	Pos./BA	18	24,291	18	21,677	0	(2,614)
Technology	FTE/OBL	12	24,291	12	21,677	0	(2,614)
Operations							

Reduce Extramural Partnerships (-\$2,614, 0 FTE/ 0 Positions) – This request will reduce funding for lower priority grants and contracts in the Autonomous Uncrewed Technology Operations PPA. NOAA will continue to identify emerging technology with the potential to further expand UxS capabilities within the NOAA fleet, in collaboration with the NOAA UxS Executive Oversight Board.

Schedule and Milestones:

FY 2027 - FY 2031

- Collaborate through the executive oversight board
- Award funding for highest priority extramural partnerships

Deliverables:

FY 2027 - FY 2031

- Expansion of most promising UxS capabilities within the NOAA fleet

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	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	(2,614)	(2,614)	(2,614)	(2,614)	(2,614)
Capitalized	0	0	0	0	0
Uncapitalized	(2,614)	(2,614)	(2,614)	(2,614)	(2,614)
Budget Authority	(2,614)	(2,614)	(2,614)	(2,614)	(2,614)
Outlays	(1,595)	(2,326)	(2,457)	(2,562)	(2,614)
FTE	0	0	0	0	0
Positions	0	0	0	0	0

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Autonomous Uncrewed Technology Operations

Subactivity: Autonomous Uncrewed Technology Operations

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	1,876	2,062	2,064	2,064	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	129	95	95	95	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,005	2,157	2,159	2,159	0
12	Civilian personnel benefits	754	747	757	757	0
13	Benefits for former personnel	2	1	1	1	0
21	Travel and transportation of persons	188	334	335	335	0
22	Transportation of things	38	32	33	33	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	179	1,560	1,566	1,566	0
23.2	Rental Payments to others	1,003	5	27	27	0
23.3	Communications, utilities and misc charges	51	9	10	10	0
24	Printing and reproduction	3	5	5	5	0
25.1	Advisory and assistance services	12,531	2,736	2,937	2,937	0
25.2	Other services from non-Federal sources	2,151	11,786	11,829	10,463	(1,366)
25.3	Other goods and services from Federal sources	191	77	81	81	0
25.4	Operation and maintenance of facilities	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 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	50	60	60	60	0
31	Equipment	25	200	200	200	0
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	4,988	4,291	4,291	3,043	(1,248)
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	1	0	0	0	0
99	Total obligations	24,160	24,000	24,291	21,677	(2,614)

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JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

Activity: NOAA Commissioned Officer Corps

Goal Statement

Support and maintain a highly specialized uniformed workforce responsible for operating NOAA's fleet of research vessels, aircraft, and uncrewed systems (UxS); and facilitate the scientific data collection that supports NOAA's weather forecasts, fishery stock assessments, nautical charts, and other products and services critical to NOAA's mission and the Nation.

Base Program

The NOAA Commissioned Officer Corps (NOAA Corps) is one of the Nation's eight uniformed services. It is a critical national asset and central to the safe and effective execution of NOAA's mission. Thus, NOAA relies heavily on the leadership, operational and technical expertise, and flexibility inherent in NOAA Corps officers for the planning, management, and execution of the agency's diverse mission. NOAA Corps officers command and staff NOAA's fleet of ships and aircraft; deploy, test, and manage NOAA's uncrewed systems; lead within and support all NOAA's line and staff Offices; and serve in other executive branch departments and agencies, as well as the legislative branch. They manage and facilitate design of scientific projects, conduct diving operations, and serve in NOAA staff positions to advance NOAA's mission. The cost of the NOAA Corps includes officer salaries, benefits, relocation, training, and HR support for all NOAA Corps officers' programs, along with the civilian staff and infrastructure needed to sustain a uniformed service. The size of the Corps is measured by average annual strength, consistent with its authorizing language for up to 505 officers.

Statement of Operating Objectives

Schedule and Milestones:

FY 2027 - FY 2031

- Balance recruitment, attrition, and retention efforts for an average annual strength of 366 officers
- Coordinate assignment changes and permanent change of station moves
- Track and administer the medical and readiness requirements of active-duty officers
- Conduct workforce planning to support prioritized and specialized missions

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Deliverables:

FY 2027 – FY2031

- 366 average annual strength of the NOAA Corps, including admirals
- Expert pilots, mariners, and uncrewed system operators for ship, aircraft, and uncrewed system mission priorities
- Scientific expertise to support weather forecasting, charting and surveying, research and modeling, and assessment and management of living marine species
- Medical readiness of active-duty officers

Explanation and Justification

		2025 Actual		2026 Enacted		2027 Base Program	
Comparison by subactivity		Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Commissioned Officer Corps	Pos/BA	382	66,868	394	71,000	387	73,551
	FTE/OBL	375	66,578	385	71,000	378	73,551
Total NOAA Commissioned Officer Corps	Pos/BA	382	66,868	394	71,000	387	73,551
	FTE/OBL	375	66,578	385	71,000	378	73,551

The NOAA Corps serves NOAA's critical weather, economic, and environmental intelligence missions through the command of NOAA's ship, aircraft, and uncrewed systems fleet and scientific expertise provided to NOAA's line and staff office programs. NOAA Corps officers offer a unique combination of scientific and operational expertise that allows them to serve as scientific collaborators while operating NOAA ships, aircraft, and UxS in service to the Nation. The expertise of NOAA Corps officers enables safe operations, upholds scientific data integrity, and protects natural resources. NOAA Corps officers not only understand and can execute proper experimental design, they also understand the need to conduct missions to ensure consistent calibration of data collection instruments to yield high quality data series. NOAA Corps officers operate and manage NOAA's fleet of ships, aircraft and UxS; they also serve in positions of leadership and command across the Federal government, on the international stage, in essential positions in Congress, and in the military during times of war or national emergency.

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Centrally managed within the NOAA Commissioned Personnel Center in Silver Spring, MD, the NOAA Corps provides a unique and valuable capability to the Nation, and NOAA Corps officers provide a responsiveness and flexibility inherent in a commissioned personnel system. These benefits are evident among NOAA Corps mariners, aviators and UxS operators. Commanding Officers of NOAA's hydrography ships serve as the Chief Scientists for these missions, having received this rare and specialized training as part of being a NOAA Corps officer. These officers conduct the charting and mapping work that feeds into nautical charts, enabling cost-effective shipping paths and data sets for commerce, defense, fishing, deep sea mining, and other activities. Among pilots, NOAA Corps officers' breadth of experience both within NOAA and as inter-service transfers allows NOAA Corps aviators to access extreme altitudes or restricted geopolitical areas - enabling NOAA to capture data that other agencies and commercial pilots cannot. This capability is only obtained after years of training, making the loss of any early- or mid-career aviator that much more impactful to the support of critical severe weather research or other mission capabilities. Our pilots and ship captains also help test some of the most innovative weather and other sensing instruments and equipment aboard NOAA planes and ships. More information on the NOAA Corps can be found at <https://www.oma.noaa.gov/noaa-corps>.

The NOAA Corps' strength yields reliable ship and aircraft time to gather and deliver environmental data that advances NOAA's mission. The Corps' current strength has prepared NOAA to operate its new vessels, increased mission reliability and accelerated the tempo of NOAA's operations. The quality of NOAA data depends on having enough NOAA Corps officers to safely operate data collection platforms, critical to hurricane and atmospheric rivers forecasts, flood and drought prediction efforts, safe and efficient navigation, management of living marine resources, and global ocean monitoring. Each ship and aircraft have minimum staffing requirements to safely and effectively accomplish mission and performance objectives. Aviators also have hourly flight-time limits, and all officers are limited in the number of days they can be deployed. That means the NOAA Corps strength directly impacts days at sea, flight hours, location, and flexibility of missions to meet NOAA's scientific goals.

In FY 2027, NOAA will be able to provide NOAA Corps officers to support 2,295 days at sea and 4,602 flight hours.

Funds for retired NOAA Corps officers are appropriated in the mandatory NOAA Corps Commissioned Officers Retirement funds (see OMAO-49), and the Medicare Eligible Retiree Health Care Fund discretionary account (see OMAO-55).

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(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
NOAA							
Commissioned	Pos./BA	387	73,551	369	66,039	(18)	(7,512)
Officer Corps	FTE/OBL	378	73,551	360	66,039	(18)	(7,512)

Prioritize the NOAA Corps (-\$7,512, -18 FTE/ -18 Positions) – The request supports 2,000 DAS and 4,512 flight hours and NOAA will reduce NOAA Corps assignments consistent with programs eliminated with the Administration’s budget request.

Schedule and Milestones and Deliverables:

FY 2027 - FY 2031

- Support 2,000 DAS and 4,512 flight hours.

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Performance Measures

	2027	2028	2029	2030	2031
NOAA Corps Average Annual Strength					
With Decrease	348	329	320	317	317
Without Decrease	366	366	366	366	366
Outyear Costs:					
Direct Obligations	(7,512)	(7,512)	(7,512)	(7,512)	(7,512)
Capitalized	0	0	0	0	0
Uncapitalized	(7,512)	(7,512)	(7,512)	(7,512)	(7,512)
Budget Authority	(7,512)	(7,512)	(7,512)	(7,512)	(7,512)
Outlays	(4,582)	(6,686)	(7,061)	(7,362)	(7,512)
FTE	(18)	(18)	(18)	(18)	(18)
Positions	(18)	(18)	(18)	(18)	(18)

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PROGRAM CHANGE PERSONNEL DETAIL**

Activity: NOAA Commissioned Officer Corps
Subactivity: NOAA Commissioned Officer Corps
Program Change: Prioritize the NOAA Corps

Title	Grade	Number	Annual Salary	Total Salaries
Captain	O-6	(1)	204,888	(204,888)
Commander	O-5	(3)	174,137	(522,411)
Lieutenant Commander	O-4	(3)	154,607	(463,821)
Lieutenant	O-3	(5)	134,970	(674,850)
Lieutenant Junior Grade	O-2	(3)	113,416	(340,248)
Ensign	O-1	(3)	93,426	(280,278)
Total		(18)		(2,486,496)
Less lapse	0.00%	0		0
Total full-time permanent (FTE)		(18)		(2,486,496)
2027 Pay Adjustment (3.6%)				0
				(2,486,496)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(18)		
Total FTE		(18)		
Authorized Positions:				
Full-time permanent		(18)		
Total Positions		(18)		

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PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: NOAA Commissioned Officer Corps
Subactivity: NOAA Commissioned Officer Corps

		2025	2026	2027	2027	Decrease
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	1,797	1,713	1,775	1,775	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	52	10	10	10	0
11.7	NOAA Corps compensation	50,397	54,607	56,519	53,943	(2,486)
11.9	Total personnel compensation	52,246	56,330	58,304	55,728	(2,486)
12	Civilian personnel benefits	7,162	8,132	8,588	8,308	(280)
13	Benefits for former personnel	52	1	1	1	0
21	Travel and transportation of persons	983	869	907	536	(371)
22	Transportation of things	1,661	1,643	1,739	999	(740)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	0	197	197	197	0
23.2	Rental Payments to others	0	4	4	0	(4)
23.3	Communications, utilities and misc charges	0	8	8	0	(8)
24	Printing and reproduction	2	3	3	0	(3)
25.1	Advisory and assistance services	277	639	643	0	(643)
25.2	Other services from non-Federal sources	2,444	990	1,039	270	(769)
25.3	Other goods and services from Federal sources	1,255	2,053	2,077	0	(2,077)
25.4	Operation and maintenance of facilities	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 and maintenance of equipment	402	0	0	0	0
25.8	Subsistence and support of persons	0	0	0	0	0
26	Supplies and materials	94	130	130	0	(130)
31	Equipment	0	1	1	0	(1)
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	Total obligations	66,578	71,000	73,641	66,039	(7,512)

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Activity: Marine and Aviation Capital Investments

Goal Statement

Acquire effective and efficient aircraft and ship platforms to support NOAA's prioritized airborne and at-sea data requirements and priorities, maintain NOAA's current fleet at a high state of readiness, and advance coastal and worldwide ocean survey and data collection through investment in new vessel construction. Plan and perform cyclic depot-level capital investments across the fleet, designed to maintain and extend the service life of NOAA's vessel and aircraft fleet and ensure that the required upgrades to shipboard and aircraft systems and mission equipment comply with safety requirements and the needs of the programs.

Base Program

The Marine and Aviation Capital Investments activity includes three major Programs: Fleet Capital Improvements and Technology Infusion, Vessel Recapitalization and Construction, and Aircraft Recapitalization and Construction. Each program plays a specific part in ensuring the continued health of NOAA's vessel and aircraft fleet to support NOAA's mission.

Statement of Operating Objectives

Fleet Capital Improvements and Technology Infusion

Schedule and Milestones:

FY2027 - FY 2031

- Perform phased overhauls, upgrades, and replacements of ship's systems through infrastructure improvement plans
- Restore and replace ship mission systems
- Address ship corrosion
- Develop and execute long-term maintenance plans to achieve the operational service life of all NOAA vessels
- Modify ships and aircraft to effectively deploy and recover uncrewed systems

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Deliverables:

FY2027 - FY 2031

- Improved reliability of the fleet and reduce lost Days at Sea due to unscheduled maintenance
- Continued capability of the NOAA Fleet
- Planned operational service life of all vessels
- Ship modifications to accommodate UxS platforms for mapping and fisheries missions

Vessel Recapitalization and Construction

Schedule and Milestones:

FY 2027

- Complete post-delivery shakedown for the *Oceanographer*
- Full Operating Capability for the *Oceanographer*
- Initial Operating Capability for the *Discoverer*

Deliverables:

FY 2027

- *Oceanographer* transitioned to operations
- Delivery Class A ship *Discoverer*

Aircraft Recapitalization and Construction

Schedule and Milestones:

FY 2027

- G550 #1: Conduct final operational testing and calibration of advanced instrumentation
- G550 #2: Order remaining instrumentation, enhanced nose radar components, initial spare part inventory, and materials for testing and calibration activities
- C-130J: Continue missionization design

Deliverables:

FY 2027

- G550 #1: Full Operating Capability

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Explanation and Justification

Comparison by subactivity		2025		2026		2027	
		Actual		Enacted		Base Program	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Fleet Capital Improvements &	Pos/BA	14	27,068	14	28,000	14	28,000
	FTE/OBL	14	31,870	11	28,000	11	28,000
Vessel Recapitalization &	Pos/BA	19	179,852	22	65,000	22	65,000
Construction	FTE/OBL	17	16,555	15	65,000	15	65,000
Aircraft Recapitalization &	Pos/BA	6	405,459	7	7,000	7	7,000
Construction	FTE/OBL	5	62,790	5	7,000	5	7,000
Total Marine & Aviation	Pos/BA	39	612,379	43	100,000	43	100,000
Capital Investments	FTE/OBL	36	111,215	31	100,000	31	100,000

FLEET CAPITAL IMPROVEMENTS AND TECHNOLOGY INFUSION

The Fleet Capital Improvements and Technology Infusion Program allows NOAA to plan and perform cyclic depot-level capital investments across the fleet, designed to maintain and extend the service life of NOAA's vessel and aircraft fleet. It ensures that the required upgrades to aircraft and ship-board systems and mission equipment comply with safety requirements and the needs of the programs. Aircraft and ships receive regular upgrades and replacements of mission support equipment and technology infusions such as data processing and storage capacity, multi-beam sonars and sensors. The program also supports uncrewed launch and recovery systems.

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For vessels, OMAO monitors their material condition through a Ship Structure and Machinery Evaluation. This evaluation documents the results of inspections and identifies future work to guide capital investment decision making. Additionally, OMAO uses manufacturer-provided information for new ships to develop maintenance profiles. To address regular capital improvements for NOAA ships, progressive lifecycle maintenance ensures the service life of vessels by proactively overhauling, upgrading, or replacing shipboard systems before they fail. Repairs completed through progressive lifecycle maintenance improve the material condition of the ships, provide sustained critical technology refresh, and ensure NOAA ships remain capable of collecting environmental data to support NOAA's mission. This effort directly supports the administration's priorities to strengthen both the shipbuilding industry and maritime workforce to revitalize domestic maritime industries.

The chart on the following page lists the types of capital investments that vary from year-to-year based on the results of Ship Structure and Machinery Evaluation that assess the material condition of the ships and determine priority repairs.

Crew Space Refurbishment	Science/ Mission Space Refurbishment	Shipboard Systems	Underwater Body	Mission Systems Refresh
Refrigeration systems HVAC refurbishment Renovation of habitability spaces	Renovation of laboratory spaces Modifications to allow for emerging technologies	Propulsion & generation systems overhaul Re-piping Fire suppression upgrades Machinery monitoring upgrades Environmental equipment replacement	Blast hull Refurbish props/shafts Refurbish valves/ piping	Multi-beam sonars and sensors Ship-board electronic data processing and storage UxS Launch/ Recovery System Small boats and launches Cranes, winches, davits

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VESSEL RECAPITALIZATION AND CONSTRUCTION

NOAA's Fleet Plan, released in 2016, assesses NOAA's at-sea observational infrastructure needs through 2028 for carrying out its mission of protecting lives, livelihoods, and valuable natural resources for the American public. It identifies an integrated approach consisting of best management practices and long-term recapitalization levers to extend and sustain capabilities. The plan includes the critical long-term strategy of designing and constructing new ships specifically designed to meet NOAA core capabilities based on mission and activities. NOAA is actively working on an updated Fleet plan that assesses NOAA's operational requirements.

Since releasing the Fleet Plan, NOAA has made concerted efforts to strengthen its knowledge of the condition of the fleet. Material condition assessments paired with the American Bureau of Shipping Service Life Assessments have resulted in better confidence in the condition of NOAA ships; that and increased funding have improved the readiness of the fleet. As a result of these efforts and other best practices, the end of service lives for many of NOAA's ships have been extended from the dates published in the 2016 Fleet Plan; however, the trend of condition deterioration remains the same. In FY 2027, NOAA Ship *Oscar Dyson* will begin a year-long Modernization & Revitalization Project (MRP) to reliably and consistently sustain NOAA's at-sea data collection capability. The *Henry Bigelow* will undergo an MRP in FY 2028. These revitalization projects, supported with prior year funding, will allow NOAA to integrate new technology on ships including propulsion and environmental upgrades, while extending the service lives of some vessels by decades. These efforts are a part of sustaining NOAA's comprehensive vessel recapitalization strategy.

NOAA's ships need to be multi-mission adaptable and provide the infrastructure and capabilities necessary to carry out its mission now and in the future. In contrast to the wide variety of vessel types that currently comprise the NOAA Fleet, NOAA intends to reduce the number of ship classes in the future. Each class will meet a core mission requirement with secondary missions that allow all NOAA vessels to provide multi-mission capabilities. NOAA will standardize core equipment as much as possible and incorporate the latest technologies across the Fleet. Up to date technology and standardization are critical for NOAA to sustain optimal crewing and efficient operations and maintenance.

The Vessel Recapitalization and Construction program supports vessel acquisition, including instrumentation specific to NOAA missions, and MRPs. This request ensures NOAA meets the Administration's maritime dominance goals, including EO 14269, to revitalize the American shipbuilding industry by making United States-flagged and built vessels and strengthening the maritime workforce. The program oversees these activities, which include a rigorous analysis of mission priorities, design, and alternative options to meet prioritized activities. Efforts will be made throughout the process to leverage design aspects of previous ship classes and to create standardization across the Fleet to meet multiple core mission activities.

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(Dollar amounts in thousands)

This standardization across the fleet will allow NOAA to meet multiple missions and is critical for efficient maintenance, upgrades, and optimal crewing models and to reduce operation and maintenance costs. The new ship acquisition process consists of five phases: pre-award, concept design, preliminary design, detail design and construction, and post-delivery. Post-delivery activities allow crew familiarization and ensure the vessel is fully functional, including testing of the ship's mission systems and equipment. Warranty and shakedown activities occur before the ship is ready for full operations.

In FY 2027, funds will support initial operating capacity for the Class A ships, the detailed design and construction of the Class B ships with Uncrewed Marine Systems, and engineering and design support for Class C, as well as associated program management

In FY 2027, the first new vessel, the Class A *Oceanographer*, will be fully operational in NOAA's fleet. Construction began on the NOAA Ships *Oceanographer* and *Discoverer* in 2022. NOAA's Class A vessels have primary missions of oceanographic monitoring, research and modeling. The *Oceanographer* will be homeported in Honolulu, Hawaii and the *Discoverer* will be homeported at Naval Station Newport, Rhode Island. The *Oceanographer* and *Discoverer* are expected to have initial operating capability in FY 2027 and will go through testing of all ship and mission systems as well as operational readiness training for crew familiarization. The Class A vessels will incorporate the latest technologies to ensure the efficient execution of NOAA's mission priorities.

The award for construction of two Class B ships, with option for two additional vessels, was made in 2023. The Class B ship acquisition is a NOAA-led acquisition with support by the USN through an inter-agency agreement. Class B vessels will have a primary capability to perform charting and mapping activities, with secondary capabilities for assessment and management of living marine resources and oceanographic monitoring, research and modeling activities. The Class B vessels will also have significant capability advancements by leveraging new technologies, including UxS.

In FY 2024, the Class C Analysis of Alternatives was completed with a series of requirements workshops with the NOAA Line Offices.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollar amounts in thousands)

AIRCRAFT RECAPITALIZATION AND CONSTRUCTION

NOAA's aircraft are vital national assets for collecting observational and analytical data and providing critical products and services in support of hurricane, water supply and weather forecasting, nautical charting, and fisheries management to communities and industries around the country. Aircraft recapitalization is essential for NOAA to modernize its aircraft fleet in alignment with technological advancements and maintain operational readiness. NOAA's modernization efforts ensure that NOAA can continue to provide essential services to the Nation, including accurate flood planning, hurricane and atmospheric rivers forecasting, and data used by the Nation's emergency managers. These services affect individuals throughout the country and partner nations, contributing to the watches and warnings for weather-related disasters.

NOAA's two WP-3D Hurricane Hunters have been operational for over 50 years. These aircraft conduct invaluable hurricane observations that improve hurricane intensity forecasts by 10-15 percent and track forecasts by 15-20 percent. In order to avoid a gap in critical hurricane reconnaissance and research missions, NOAA is replacing the WP-3Ds with two C-130J aircraft.

Through FY 2023 and FY 2025 disaster supplemental funding, NOAA is in the process of replacing both WP-3D aircraft and has initiated the purchase of two baseline C-130J aircraft.

In FY 2026, NOAA is furthering the acquisition of the first of two G550 high altitude jets through mission modifications and initial flight testing of the newly modified aircraft. In 2024, NOAA awarded a contract to acquire a second fully modified G550 aircraft.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Vessel	Pos./BA	7	65,000	7	125,000	0	60,000
Recapitalization & Construction	FTE/OBL	5	65,000	5	125,000	0	60,000

Accelerate NOAA Fleet Recapitalization (+\$60,000,000, 0 FTE / 0 Positions) - With this increase, NOAA will accelerate NOAA's fleet recapitalization plan to replace its aging fleet with modern, mission-ready platforms.

NOAA will award Phase 1 Preliminary Design contracts to begin design development of the Class C fisheries and coastal science program with prior year funding in FY 2027. These FY 2027 funds will support Phase II, Detailed Design and Construction.

Class C platforms support management of America's fisheries, particularly in the Pacific, Gulf of America, and South Atlantic, as well as for acquiring mapping data and conducting comprehensive ecosystem assessments within the region. As the current Class C fleet begins reaching the end of its service life in 2028, this funding allows NOAA to more rapidly restore and advance the operational capabilities required for timely national assessments.

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Schedule and Milestones:

FY 2028

- Phase 2/Detail Design & Construction contract awarded

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	60,000	60,000	60,000	60,000	60,000
Capitalized	60,000	60,000	60,000	60,000	60,000
Uncapitalized	0	0	0	0	0
Budget Authority	60,000	60,000	60,000	60,000	60,000
Outlays	20,400	49,200	55,800	59,400	60,000
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Outyear Funding Estimates:

Vessel Recapitalization & Construction	2026 and Prior Years	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	TBD	TBD
Total Request	\$1,174,000	\$125,000	\$125,000	\$125,000	\$125,000	\$125,000	TBD	TBD

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Marine and Aviation Capital Investments
Subactivity: Vessel Recapitalization and Construction

		2025	2026	2027	2027	Increase
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	2,739	2,818	2,818	2,818	0
11.3	Other than full-time permanent	1	1	1	1	0
11.5	Other personnel compensation	66	65	65	65	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	2,806	2,884	2,884	2,884	0
12	Civilian personnel benefits	983	1,017	1,017	1,017	0
13	Benefits for former personnel	10	1	1	1	0
21	Travel and transportation of persons	350	476	476	476	0
22	Transportation of things	3	8	8	8	0
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	335	517	517	517	0
23.2	Rental Payments to others	7	10	10	10	0
23.3	Communications, utilities and misc charges	15	21	21	21	0
24	Printing and reproduction	2	17	17	17	0
25.1	Advisory and assistance services	3,094	55,427	55,427	110,854	55,427
25.2	Other services from non-Federal sources	8,801	508	508	1,016	508
25.3	Other goods and services from Federal sources	0	280	280	560	280
25.4	Operation and maintenance of facilities	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 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	93	266	266	518	252
31	Equipment	1	3,533	3,533	7,066	3,533
32	Lands and structures	0	0	0	0	0
33	Investments and loans	0	0	0	0	0
41	Grants, subsidies and contributions	5	35	35	35	0
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	50	0	0	0	0
99	Total obligations	16,555	65,000	65,000	125,000	60,000

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM DECREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount
Aircraft							
Recapitalization	Pos./BA	7	7,000	0	0	(7)	(7,000)
and Construction	FTE/OBL	5	7,000	0	0	(5)	(7,000)

Reduce Funds for Aircraft Recapitalization (-\$7,000, -5 FTE/ -7 Positions) – This request does not provide funding for this program.

Outyear Costs:

Direct Obligations	(7,000)	(7,000)	(7,000)	(7,000)	(7,000)
Capitalized	(2,124)	(2,124)	(2,124)	(2,124)	(2,124)
Uncapitalized	(4,876)	(4,876)	(4,876)	(4,876)	(4,876)
Budget Authority	(7,000)	(7,000)	(7,000)	(7,000)	(7,000)
Outlays	(2,380)	(5,740)	(6,510)	(6,930)	(7,000)
FTE	(5)	(5)	(5)	(5)	(5)
Positions	(7)	(7)	(7)	(7)	(7)

**Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE PERSONNEL DETAIL**

Activity: Marine and Aviation Capital Improvements
Subactivity: Aircraft Recapitalization and Construction
Program Change: Reduce Funds for Aircraft Recapitalization

Title	Grade	Number	Annual Salary	Total Salaries
Program Managers	various	(7)	171,800	(1,202,600)
Total		(7)		(1,202,600)
Less Adjustment	0.00%	2		0
Total full-time permanent (FTE)		(5)		(1,202,600)
2027 Pay Adjustment (0%)				0
				(1,202,600)
Personnel Data Summary				
Full-time Equivalent Employment (FTE)				
Full-time permanent		(5)		
Total FTE		(5)		
Authorized Positions:				
Full-time permanent		(7)		
Total Positions		(7)		

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Marine and Aviation Capital Investments
Subactivity: Aircraft Recapitalization and Construction

	Object Class	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Decrease from 2027 Base
11.1	Full-time permanent compensation	928	350	1,202	0	(1,202)
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	20	3	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	948	353	1,202	0	(1,202)
12	Civilian personnel benefits	282	126	326	0	(326)
13	Benefits for former personnel	0	0	0	0	0
21	Travel and transportation of persons	194	216	216	0	(216)
22	Transportation of things	0	46	46	0	(46)
23	Rent, communications, and utilities	0	0	0	0	0
23.1	Rental payments to GSA	31	63	63	0	(63)
23.2	Rental Payments to others	1	1	1	0	(1)
23.3	Communications, utilities and misc charges	1	3	3	0	(3)
24	Printing and reproduction	0	0	0	0	0
25.1	Advisory and assistance services	1,449	3,432	2,645	0	(2,645)
25.2	Other services from non-Federal sources	142	50	50	0	(50)
25.3	Other goods and services from Federal sources	4	317	317	0	(317)
25.4	Operation and maintenance of facilities	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 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	470	2,389	2,127	0	(2,127)
31	Equipment	59,262	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	1	4	4	0	(4)
42	Insurance claims and indemnities	0	0	0	0	0
43	Interest and dividends	0	0	0	0	0
44	Refunds	5	0	0	0	0
99	Total obligations	62,790	7,000	7,000	0	(7,000)

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

		2027 Base		2027 Estimate		Increase from 2027 Base	
		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u> <u>Amount</u>		<u>Personnel</u>	<u>Amount</u>
Uncrewed							
Systems	Pos./BA	0	0	0	75,000	0	75,000
Acquisitions and	FTE/OBL	0	0	0	75,000	0	75,000
Maintenance							

Uncrewed Systems Acquisitions (+\$75,000,000, 0 FTE/ 0 Positions) – NOAA requests an increase to transform NOAA's fleet by acquiring new UxS platforms, starting with the purchase of two high-endurance, ocean-going uncrewed marine systems.

This investment is a core component of a forward-looking strategy that recapitalizes and modernizes the NOAA fleet with the best technology to support fisheries and ocean mapping missions, further enhancing NOAA's data collection capabilities. These uncrewed marine systems will be large, transoceanic assets that work independently from NOAA's ships and aircraft. They can remain at sea for extended periods and access remote locations, independently exploring the deep ocean, surveying fish populations, and mapping coasts while traditional ships conduct missions where crew are required. With the addition of these vessels, NOAA will establish a hybrid fleet of autonomous and crewed research vessels that complement and may replace some ship-based observations, as well as enhance NOAA's ability to address current data gaps.

In preparation for these assets, NOAA will complete a Request for Information in FY 2026 in preparation of initiating the acquisition process of the two uncrewed marine systems in FY 2027. NOAA is also conducting further research to best leverage the benefits of a hybrid fleet. Long term, these funds will provide capital maintenance and the acquisition of additional platforms and infrastructure to support and deploy NOAA's growing UxS fleet.

Schedule and Milestones:

FY 2027

- Begin the Planning Phase of the acquisitions process per the NOAA Construction Work-In-Progress and Internal Use Software Development Policy
- Develop a long-term acquisitions and maintenance plan for acquired assets

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM INCREASE FOR 2027
(Dollar amounts in thousands)

Deliverables:**FY 2027**

- Acquisition contract awarded for two uncrewed marine systems

	2027	2028	2029	2030	2031
Outyear Costs:					
Direct Obligations	75,000	75,000	75,000	75,000	75,000
Capitalized	75,000	75,000	75,000	75,000	75,000
Uncapitalized	0	0	0	0	0
Budget Authority	75,000	75,000	75,000	75,000	75,000
Outlays	25,500	61,500	69,750	74,250	75,000
FTE	0	0	0	0	0
Positions	0	0	0	0	0

Outyear Funding Estimates:

Uncrewed Systems Acquisitions & Maintenance	2026 & Prior	2027	2028	2029	2030	2031	CTC	Total
Change from 2027 Base	N/A	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	TBD	
Total Request	\$0	\$75,000	\$75,000	\$75,000	\$75,000	\$75,000	TBD	TBD

Department of Commerce
National Oceanic and Atmospheric Administration
Procurement, Acquisition, and Construction
PROGRAM CHANGE DETAIL BY OBJECT CLASS
(Direct Obligations amounts in thousands)

Activity: Marine and Aviation Capital Investments

Subactivity: Uncrewed Systems Acquisitions and Maintenance

		2025	2026	2027	2027	Increase
	Object Class	Actual	Enacted	Base	Estimate	from 2027 Base
11.1	Full-time permanent compensation	0	0	0	0	0
11.3	Other than full-time permanent	0	0	0	0	0
11.5	Other personnel compensation	0	0	0	0	0
11.8	Special personnel services payments	0	0	0	0	0
11.9	Total personnel compensation	0	0	0	0	0
12	Civilian personnel benefits	0	0	0	0	0
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	Rent, communications, and utilities	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	Communications, utilities 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	Operation and maintenance of facilities	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 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	75,000	75,000
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	Total obligations	0	0	0	75,000	75,000

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA Corps Retirement Pay (Mandatory)
SUMMARY OF RESOURCE REQUIREMENTS
(Dollars amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2026	0	0	39,617	39,617
plus: 2027 Adjustments to Base	0	0	0	0
2027 Base	0	0	39,617	39,617
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	39,617	39,617

		2025 Actual		2026 Enacted		2027 Base		2027 Estimate		Increase/ Decrease from 2027 Base	
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
NOAA Corps	POS/BA	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Retirement Pay	FTE/OBL	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Total: NOAA Corps	POS/BA	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Retirement Pay	FTE/OBL	0	37,654	0	39,617	0	39,617	0	39,617	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA Corps Retirement Pay (Mandatory)
SUMMARY OF RESOURCE REQUIREMENTS
(Dollars amounts in thousands)

	2025		2026		2027		2027		Increase/ Decrease from 2027 Base	
	FTE	Actual Amount	FTE	Enacted Amount	FTE	Base Amount	FTE	Estimate Amount	FTE	Amount
Direct Discretionary Obligation	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Total Obligations	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Adjustments to Obligations:										
Unobligated balance	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	37,654	0	39,617	0	39,617	0	39,617	0	0
Financing from Transfers and Other:										
	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	37,654	0	39,617	0	39,617	0	39,617	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA Corps Retirement Pay (Mandatory)
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollars amounts in thousands)

Activity: NOAA Corps Retirement Pay (Mandatory)

Goal Statement

Provide payment of benefits to retired NOAA Commissioned Officer Corps (NOAA Corps) Officers and their families.

Base Program

In FY 2025, there were 434 retired NOAA Corps officers receiving retired pay benefits, and 71 spouses or dependents of deceased retired officers, who are still eligible to receive benefits.

Statement of Operating Objectives

Schedule and Milestones:

- Transfer funds to the U.S. Coast Guard (USCG)
- Administer Healthcare funds for non-Medicare-eligible retirees, dependents, and annuitants

Deliverables:

- Benefits for retired NOAA Corps Officers and their families

Explanation and Justification

The retirement system for the uniformed services provides a measure of financial security after release from active duty for service members and their survivors. It is an important factor in the choice of a career in the uniformed services, and the legal mandate for rates to be paid is the same for all uniformed services, see 10 USC. Retired pay is an entitlement to NOAA Commissioned Corps officers under 33 USCA 3044, 33 USCA 3045, and 33 USCA 3046. Retired pay funds are transferred to the USCG, which handles the payments each year as adjusted pursuant to the National Defense Authorization Act. Healthcare funds for non-Medicare-eligible retirees, dependents, and annuitants are administered by OMAO.

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA Corps Retirement Pay (Mandatory)
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollars amounts in thousands)

This line includes funding for the modernized retirement system, which includes matching Thrift Savings Plan contributions, continuation pay, and retirement itself. Public Law 114-92, the NDAA for FY 2016 - provides the Secretary the authority to provide Thrift Savings Plan contributions for members of the uniformed services effective January 1, 2018. Public Law 114-92, as amended by P.L. 114-328, the NDAA for FY 2017 - modifies section 356 of title 37 and the use of continuation pay for full TSP members. Members must have “completed not less than [eight] and not more than [twelve] years of service” and “[enter] into an agreement of not less than [three] additional years of obligated service.” Continuation pay applies across the board to all military members who are in the modernized retirement system and is intended to help ensure retention after a member has the ability to acquire significant retirement benefits.

Legal authority for retirement of NOAA Corps officers is contained in 33 USCA 3044. Retired officers of the NOAA Corps receive retirement benefits that are administered by USCG, in accordance with a Memorandum of Agreement between the USCG and NOAA, with funds certified by the Commissioned Personnel Center within OMAO.

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA Corps Retirement Pay (Mandatory)
SUMMARY OF RESOURCE REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Object Class					
12.2 Military Benefits	3,039	2,500	2,500	2,500	0
13 Benefits for Former Personnel	34,615	37,117	37,117	37,117	0
Total Obligations	37,654	39,617	39,617	39,617	0
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Offsetting collections, Mandatory	0	0	0	0	0
Less: Previously Unavail. Unoblig. Bal.	0	0	0	0	0
Total Budget Authority Mandatory	37,654	39,617	39,617	39,617	0
Personnel Data					
Full-Time Equivalent Employment					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0
Authorized Positions:					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0

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Department of Commerce
National Oceanic and Atmospheric Administration
Medicare Eligible Retiree Health Fund Contribution – NOAA Corps
SUMMARY OF RESOURCE REQUIREMENTS
(Dollars amounts in thousands)

	Positions	FTE	Budget Authority	Direct Obligations
Enacted, 2026	0	0	2,675	2,675
plus: 2027 Adjustments to Base	0	0	(146)	(146)
2027 Base	0	0	2,529	2,529
Plus: 2027 Program Changes	0	0	0	0
2027 Estimate	0	0	2,529	2,529

		2025		2026		2027		2027		Increase/ Decrease from 2027 Base	
		Actual		Enacted		Base		Estimate			
		Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount	Personnel	Amount
Medicare Eligible Retiree Health Fund	POS/BA	0	2,412	0	2,675	0	2,529	0	2,529	0	0
	FTE/OBL	0	2,412	0	2,675	0	2,529	0	2,529	0	0
Total: Medicare Eligible Retiree Health Fund	POS/BA	0	2,412	0	2,675	0	2,529	0	2,529	0	0
	FTE/OBL	0	2,412	0	2,675	0	2,529	0	2,529	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Medicare Eligible Retiree Health Fund Contribution – NOAA Corps
SUMMARY OF RESOURCE REQUIREMENTS
(Dollars amounts in thousands)

	2025		2026		2027		2027		Increase/ Decrease from 2027 Base	
	FTE	Actual Amount	FTE	Enacted Amount	FTE	Base Amount	FTE	Estimate Amount	FTE	Amount
Direct Discretionary Obligation	0	2,412	0	2,675	0	2,529	0	2,259	0	0
Total Obligations	0	2,412	0	2,675	0	2,529	0	2,259	0	0
Adjustments to Obligations:										
Unobligated balance	0	0	0	0	0	0	0	0	0	0
Total Budget Authority	0	2,412	0	2,675	0	2,529	0	2,259	0	0
Financing from Transfers and Other:										
	0	0	0	0	0	0	0	0	0	0
Net Appropriation	0	2,412	0	2,675	0	2,259	0	2,259	0	0

Department of Commerce
National Oceanic and Atmospheric Administration
Medicare Eligible Retiree Health Fund Contribution – NOAA Corps
JUSTIFICATION OF PROGRAM AND PERFORMANCE
(Dollars amounts in thousands)

Activity: Medicare-Eligible Retiree Healthcare Fund Contribution - NOAA Corps

Goal Statement

This account is NOAA's contribution to a health care accrual fund for NOAA Commissioned Officer Corps officers. The accrual fund pays for the future health care benefits for current officers once they retire and become Medicare-eligible, as well as for their dependents and annuitants.

Base Program

For FY 2027, payments to the accrual fund are estimated at \$2,529.

Statement of Operating Objectives

Schedule and Milestones: (On-going)

- Contribute to healthcare accrual fund
- Provide healthcare benefits to eligible retired NOAA Corps Officers and their dependents and annuitants

Deliverables:

- Healthcare benefits of present, active-duty NOAA offices and their dependents and annuitants

Explanation and Justification

The FY 2003 NDAA requires all uniformed services, including NOAA, to participate in an accrual fund for Medicare-eligible retirees. Payments into this accrual fund will cover the future health care benefits of present, active-duty NOAA officers and their dependents and annuitants.

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Medicare Eligible Retiree Health Fund Contribution – NOAA Corps
SUMMARY OF RESOURCE REQUIREMENTS BY OBJECT CLASS
(Dollar amounts in thousands)

	2025 Actual	2026 Enacted	2027 Base	2027 Estimate	Increase/Decrease from 2027 Base
Object Class					
13 Benefits for Former Personnel	0	0	0	0	0
25.3 Other goods and services from Federal sources	2,412	2,675	2,529	2,529	0
Total Obligations	2,412	2,675	2,529	2,529	0
Less prior year recoveries	0	0	0	0	0
Less unobligated balance, SOY	0	0	0	0	0
Plus unobligated balance, EOY	0	0	0	0	0
Offsetting collections, Mandatory	0	0	0	0	0
Less: Previously Unavail. Unoblig. Bal.	0	0	0	0	0
Total Budget Authority Mandatory	2,412	2,675	2,529	2,529	0
Personnel Data					
Full-Time Equivalent Employment					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0
Authorized Positions:					
Full-time permanent	0	0	0	0	0
Other than full-time permanent	0	0	0	0	0
Total	0	0	0	0	0

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For expenses necessary for activities authorized by law for the National Oceanic and Atmospheric Administration,

5 USC 5348	15 USC 1514	16 USC 1801 et seq.	33 USC 1441-44	49 USC 44720
5 USC 4703	15 USC 1517	16 USC 3645	33 USC 1952	51 USC 6061
7 USC 1622	15 USC 1537-40	16 USC 4101 et seq.	33 USC 2706	
10 USC 1072	15 USC 8511-8521	16 USC 4701 et seq.	33 USC 2712	
10 USC 1116	16 USC 6804 note	16 USC 5001 et seq.	33 USC 2801 et seq.	
10 USC 1409	16 USC 46a	16 USC 8206	33 USC 3001 et seq.	
10 USC 2311	16 USC 661 et seq.	196 USC 4732	33 USC 3402	
10 USC 8931	16 USC 757a et seq.	31 USC 1105	33 USC 3501	
12 USC 1715m	16 USC 941h	31 USC 6401	33 USC 3601	
15 USC 313	16 USC 1361	33 USC 706 et seq.	33 USC 3703	
15 USC 313a	16 USC 1431 et seq.	33 USC 883 a-i et seq.	33 USC 4001	
15 USC 313b	16 USC 1447a et seq.	33 USC 891 et seq.	33 USC 4213	
15 USC 313 note	16 USC 1451 et seq.	33 USC 893 et seq.	42 USC 8902-05	
15 USC 325	16 USC 1456a	33 USC 1121 et seq.	42 USC 9601 et seq.	
15 USC 330b	16 USC 1456-1	33 USC 1141	43 USC 1347e	
15 USC 330e	16 USC 1467	33 USC 1251 note	43 USC 3102	
15 USC 1511 b-e	16 USC 1531 et seq.	33 USC 1321	44 USC 1307	

Government Organization and Employees

5 USC 5348 - Crews of Vessels

"...the pay of officers and members of crews of vessels excepted from chapter 51 of this title by section 5102(c)(8) of this title shall be fixed and adjusted from time to time as nearly as is consistent with the public interest in accordance with prevailing rates and practices in the maritime industry."

5 USC 4703- Demonstration Projects

"...the Office of Personnel Management may, directly or through agreement or contract with one or more agencies and other public and private organizations, conduct and evaluate demonstration projects."

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Agriculture

7 USC 1622 - Distribution and Marketing of Agricultural Products

“The Secretary ... is directed and authorized: ...

- (a) to determine the needs and develop or assist in the development of plans for the proper assembly, processing, transportation, storage, distribution, and handling of agricultural (fish) products.
- (f) to conduct and cooperate in consumer education for the more effective utilization and greater consumption of agricultural products (fish)...
- (g) to collect and disseminate marketing information... for the purpose of ... bringing about a balance between production and utilization of agricultural (fish) products.
- (h) to inspect, certify, and identify the class, quality, quantity and condition of agricultural (fish) products ...
- (m) to conduct ... research ... to determine the most efficient ... processes for the handling, storing, preserving, protecting...of agricultural (fish) commodities ...”

(h) - Duties of Secretary relating to agricultural products; penalties

“Whoever knowingly shall falsely make, issue, alter, forge, or counterfeit any official certificate, memorandum, or other identification, with respect to inspection, class, grade, quality, size, quantity, or condition, issued or authorized under this section or knowingly cause or procure, or aid, assist in, or be a party to, such false making, issuing, altering, forging, or counterfeiting, or whoever knowingly shall possess, without promptly notifying the Secretary (of Commerce) or his representative, utter, published, or used as true, any such falsely made, altered forged, or counterfeited official certificate, memorandum, mark, identification, or device, or whoever knowingly represents that an agricultural product has been officially inspected or graded...when in fact such commodity has not been so graded or inspected shall be fined not more than \$1,000 or imprisoned not more than one year, or both.”

Armed Forces

10 USC 1072 Medical and Dental Care

“...The term “uniformed services” means the armed forces and the Commissioned Corps of the National Oceanic and Atmospheric Administration and of the Public Health Service.”

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10 USC 1116 Determinations of Contributions to the Fund

“At the beginning of each fiscal year after September 30, 2005, the Secretary of the Treasury shall promptly pay into the Fund from the General Fund of the Treasury--(1) the amount certified to the Secretary by the Secretary of Defense under subsection (c), which shall be the contribution to the Fund for that fiscal year required by section 1115; and (2) the amount determined by each administering Secretary under section 1111(c) as the contribution to the Fund on behalf of the members of the uniformed services under the jurisdiction of that Secretary.”

10 USC 1409 - Retired pay multiplier

“(4) Modernized retirement system.-(A) Reduced multiplier for full tsp members .-Notwithstanding paragraphs (1), (2), and (3), in the case of a member who first becomes a member of the uniformed services on or after January 1, 2018, or a member who makes the election described in subparagraph (B) (referred to as a "full TSP member")- (i) paragraph (1)(A) shall be applied by substituting "2" for "2½"; (ii) clause (i) of paragraph (3)(B) shall be applied by substituting "60 percent" for "75 percent"; and (iii) clause (ii)(I) of such paragraph shall be applied by substituting "2" for "2½". (B) Election to participate in modernized retirement system .-Pursuant to subparagraph (C), a member of a uniformed service serving on December 31, 2017, who has served in the uniformed services for fewer than 12 years as of December 31, 2017, may elect, in exchange for the reduced multipliers described in subparagraph (A) for purposes of calculating the retired pay of the member, to receive Thrift Savings Plan contributions pursuant to section 8440e(e) of title 5. (C) Election period.- (i) In general .-Except as provided in clauses (ii) and (iii), a member of a uniformed service described in subparagraph (B) may make the election authorized by that subparagraph only during the period that begins on January 1, 2018, and ends on December 31, 2018. (ii) Hardship extension .-The Secretary concerned may extend the election period described in clause (i) for a member who experiences a hardship as determined by the Secretary concerned. (iii) Effect of break in service .-A member of a uniformed service who returns to service after a break in service that occurs during the election period specified in clause (i) shall make the election described in subparagraph (B) within 30 days after the date of the reentry into service of the member.”

10 USC 2311 Assignment and Delegation of Procurement Functions and Responsibilities

- (a) In General.--Except to the extent expressly prohibited by another provision of law, the head of an agency may delegate, subject to his direction, to any other officer or official of that agency, any power under this chapter.
- (b) Procurements For or With Other Agencies.--Subject to subsection (a), to facilitate the procurement of property and services covered by this chapter by each agency named in section 2303 of this title for any other agency, and to facilitate joint procurement by those agencies--
 - (1) the head of an agency may delegate functions and assign responsibilities relating to procurement to any officer or employee within such agency;

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- (2) the heads of two or more agencies may by agreement delegate procurement functions and assign procurement responsibilities from one agency to another of those agencies or to an officer or civilian employee of another of those agencies; and
- (3) the heads of two or more agencies may create joint or combined offices to exercise procurement functions and responsibilities.

10 USC 8931 – National Oceanographic Partnership Program

The Secretary of the Navy shall establish a program to be known as the “National Oceanographic Partnership Program.”

Banks and Banking

12 USC 1715m - Mortgage Insurance for Servicemen [NOAA Corps]

This section authorizes payment of Federal Housing Administration (FHA) home mortgage insurance premiums to NOAA Corps Officers.

Commerce and Trade

15 USC 313 - Duties of Secretary of Commerce [National Weather Service]

“The Secretary of Commerce...shall have charge of the forecasting of weather,...issue of storm warnings,...weather and flood signals,... gauging and reporting of rivers,...collection and transmission of marine intelligence...,...reporting of temperature and rainfall conditions..., the display of frost and cold-wave signals, the distribution of meteorological information..., and the taking of such meteorological observations as may be necessary to establish and record the climatic conditions of the United States, or as are essential for the proper execution of the foregoing duties.”

15 USC 313a - Establishment of Meteorological Observation Stations in the Arctic Region

“... The Secretary of Commerce shall ... take such actions as may be necessary in the development of an international basic meteorological reporting network in the Arctic region of the Western Hemisphere...”

15 USC 313b - Institute for Aviation Weather Prediction

“The Administrator of the National Oceanic and Atmospheric Administration shall establish an Institute for Aviation Weather Prediction. The Institute shall provide forecasts, weather warnings, and other weather services to the United States aviation community....”

15 USC 313d – National Integrated Drought Information System (NIDIS) Program

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“The Under Secretary, through the National Weather Service and other appropriate weather and climate programs in the National Oceanic and Atmospheric Administration, shall establish a National Integrated Drought Information System to better inform and provide for more timely decision making to reduce drought related impacts and costs.”

15 USC 313 note - Weather Service Modernization Act (a)

As part of the budget justification documents submitted to Congress in support of the annual budget request for the department of Commerce, the Secretary shall include a National Implementation Plan for modernization of the National Weather Service for each fiscal year following fiscal year 1993 until such modernization is complete. The Plan shall set forth the actions, during the 2-year period beginning with the fiscal year for which the budget request is made, that will be necessary to accomplish the objectives described in the Strategic Plan.

15 USC 325 - Spending Authority for the National Weather Service

“...Appropriations now or hereafter provided for the National Weather Service shall be available for: (a) furnishing food and shelter...to employees of the Government assigned to Arctic stations; (b) equipment and maintenance of meteorological offices and stations, and maintenance and operation of meteorological facilities outside the United States... (c) repairing, altering, and improving of buildings occupied by the National Weather Service, and care and preservation of grounds...(d) arranging for communication services... and
(e) purchasing tabulating cards and continuous form tabulating paper.

15 USC 330b - Duties of Secretary relating to Weather Modification Activities or Attempts - Reporting Requirement

“The Secretary shall maintain a record of weather modification activities, including attempts, which take place in the United States and shall publish summaries thereof from time to time as he determines.”

- (a) “All reports, documents, and other information received by the Secretary under the provisions of this chapter shall be made available to the public to the fullest practicable extent.”

15 USC 330e - Authorization of Appropriations relating to Weather Modification Activities or Attempts - Reporting Requirement

This section provides funding authority to support the reporting requirements specified in this chapter.

15 USC 1511b - United States Fishery Trade Officers

“For purposes of carrying out export promotion and other fishery development responsibilities, the Secretary of Commerce...shall appoint not fewer than six officers who shall serve abroad to promote United States fishing interests. These officers shall be knowledgeable about the United States fishing industry, preferably with experience derived from the harvesting,

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processing, or marketing sectors of the industry or from the administration of fisheries programs. Such officers, who shall be employees of the Department of Commerce, shall have the designation of fishery trade officers.”

15 USC 1511c - NOAA Estuarine Programs Office

“... The Estuarine Programs Office shall develop, coordinate, and implement the estuarine activities of the administration with the activities of other Federal and State agencies. There are authorized to be appropriated to the Administration not to exceed \$560,000 for fiscal year 1989, and \$600,000 for fiscal year 1990.”

15 USC 1511d - Chesapeake Bay Office

The Secretary of Commerce shall establish, within the National Oceanic and Atmospheric Administration, an office to be known as the Chesapeake Bay Office...which shall provide technical assistance on processes impacting the Chesapeake Bay system, its restoration and habitat protection; develop a strategy to meet the commitments of the Chesapeake Bay Agreement; and coordinate programs and activities impacting the Chesapeake Bay, including research and grants.

15 USC 1511e - Office of Space Commercialization

“There is established with the Department of Commerce an Office of Space Commercialization” which shall “promote commercial provider investment in space activities...assist United States commercial providers in [their efforts to] conduct business with the United States Government, [act] as an industry advocate within the executive branch..., ensure that the United States Government does not compete with United States commercial providers..., [promote] the export of space-related goods and services, [represent] the Department of Commerce in the development of United States policies...and [seek] the removal of legal, policy, and institutional impediments to space commerce.”

15 USC 1514 - Basic Authority for Performance of Certain Functions and Activities of Department

“Appropriations are authorized for the following activities of the Department of Commerce:

- (a) furnishing to employees...and their dependents, in Alaska and other points outside the continental United States, free emergency medical services...and supplies;
- (b) purchasing, transporting, storing, and distributing food and other subsistence supplies for resale to employees...and their dependents, in Alaska and other points outside the continental United States at a reasonable value...; the proceeds from such resales to be credited to the appropriation from which the expenditure was made;
- (c) ...establishment, maintenance, and operation of messing facilities, by contract or otherwise, in Alaska and other points outside the continental United States..., such service to be furnished to employees...and their dependents,...
- (d) reimbursement...of officers or employees in or under the Department...for food, clothing, medicines, and other supplies furnished by them in emergencies for the temporary relief of dislocated persons in remote localities;

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- (e) providing motion-picture equipment and film for recreation of crews of vessels..., for recreation for employees in remote localities..., and for training purposes;
- (f) erecting, altering, repairing, equipping, furnishing, and maintaining...such living and working quarters and facilities as may be necessary to carry out its authorized work at remote localities not on foreign soil where such living and working accommodations are not otherwise available.”

15 USC 1517 - Transfer of Statistical or Scientific Work

“The President is authorized, by order in writing, to transfer at any time the whole or any part of any office, bureau, division, or other branch of the public service engaged in statistical or scientific work, from the Department of State, the Department of the Treasury, the Department of Defense, the Department of Justice, the United States Postal Service, or the Department of the Interior, to the Department of Commerce; and in every such case the duties and authority performed by and conferred by law upon such office, bureau, division, or other branch of the public service, or the part thereof so transferred, shall be thereby transferred with such office, bureau, division, or other branch of the public service, or the part thereof which is so transferred. All power and authority conferred by law, both supervisory and appellate, upon the department from which such transfer is made, or the Secretary thereof, in relation to the said office, bureau, division, or other branch of the public service, or the part thereof so transferred, shall immediately, when such transfer is so ordered by the President, be fully conferred upon and vested in the Department of Commerce, or the Secretary thereof, as the case may be, as to the whole or part of such office, bureau, division, or other branch of the public service so transferred.”

15 USC 1537 Needs Assessment for Data Management

“Not later than 12 months after October 29, 1992, and at least biennially thereafter, the Secretary of Commerce shall complete an assessment of the adequacy of the environmental data and information systems of NOAA.”

15 USC 1538 – Notice of reprogramming

(a) In general

The Secretary of Commerce shall provide notice to the Committee on Commerce, Science, and Transportation and Committee on Appropriations of the Senate and to the Committee on Merchant Marine and Fisheries, Committee on Science, Space, and Technology, and Committee on Appropriations of the House of Representatives, not less than 15 days before reprogramming funds available for a program, project, or activity of the National Oceanic and Atmospheric Administration in an amount greater than the lesser of \$250,000 or 5 percent of the total funding of such program, project, or activity if the reprogramming-

- (1) augments an existing program, project, or activity;
- (2) reduces by 5 percent or more (A) the funding for an existing program, project, or activity or (B) the numbers of personnel therefor as approved by Congress; or

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(3) results from any general savings from a reduction in personnel which would result in a change in an existing program, project, or activity.

(b) Notice of reorganization

The Secretary of Commerce shall provide notice to the Committees on Merchant Marine and Fisheries, Science, Space, and Technology, and Appropriations of the House of Representatives, and the Committees on Commerce, Science, and Transportation and Appropriations of the Senate not later than 15 days before any major reorganization of any program, project, or activity of the National Oceanic and Atmospheric Administration.

15 USC 1539 – Financial Assistance

(a) Processing of applications

Within 12 months after October 29, 1992, the Secretary of Commerce shall develop and, after notice and opportunity for public comment, promulgate regulations or guidelines to ensure that a completed application for a grant, contract, or other financial assistance under a nondiscretionary assistance program shall be processed and approved or disapproved within 75 days after submission of the application to the responsible program office of the National Oceanic and Atmospheric Administration.

(b) Notification of applicant

Not later than 14 days after the date on which the Secretary of Commerce receives an application for a contract, grant, or other financial assistance provided under a nondiscretionary assistance program administered by the National Oceanic and Atmospheric Administration, the Secretary shall indicate in writing to the applicant whether or not the application is complete and, if not complete, shall specify the additional material that the applicant must provide to complete the application.

(c) Exemption

In the case of a program for which the recipient of a grant, contract, or other financial assistance is specified by statute to be, or has customarily been, a State or an interstate fishery commission, such financial assistance may be provided by the Secretary to that recipient on a sole-source basis, notwithstanding any other provision of law.

(d) “Nondiscretionary assistance program” defined

In this section, the term “nondiscretionary assistance program” means any program for providing financial assistance—

- (1)** under which the amount of funding for, and the intended recipient of, the financial assistance is specified by Congress; or
- (2)** the recipients of which have customarily been a State or an interstate fishery commission.

15 USC 1540 – Cooperative Agreements

“The Secretary of Commerce, acting through the Under Secretary of Commerce for Oceans and Atmosphere, may enter into cooperative agreements and other financial agreements with any nonprofit organization to (1) aid and promote scientific and educational activities to foster public understanding of the National Oceanic and Atmospheric Administration or its programs; and (2) solicit private donations for the support of such activities.”

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15 USC 8511-8521 – United States Weather Research and Forecasting Improvement

In conducting research, the Under Secretary shall prioritize improving weather data, modeling, computing, forecasting, and warnings for the protection of life and property and for the enhancement of the national economy.

Conservation

16 USC 6804 note – John D. Dingell Jr. Conservation, Management, and Recreation Act

(b)EVERY KID OUTDOORS PROGRAM.—

“(1)ESTABLISHMENT.—The Secretaries shall jointly establish a program, to be known as the ‘Every Kid Outdoors program’, to provide free access to Federal land and waters for students and accompanying individuals in accordance with this subsection.

16 USC 46a - Marine Fisheries Program Authorization Act

This Act authorizes NMFS fisheries programs not otherwise authorized by law, including research to reduce entanglement of marine mammals in fishing gear, development of habitat restoration techniques, restoration of Chesapeake Bay, and conservation of Antarctic living marine resources.

16 USC 661 et seq.- Declaration of Purpose; Cooperation of Agencies; Surveys and Investigations; Donations

“...the Secretary of the Interior is authorized (1) to provide assistance to, and cooperate with, Federal, State, and public or private agencies and organizations in the development, protection, rearing, and stocking of all species of wildlife, resources thereof, and their habitat, in controlling losses of the same from disease or other causes, in minimizing damages from overabundant species, in providing public shooting and fishing areas, including easements across public lands for access thereto, and in carrying out other measures necessary to effectuate the purposes of said sections; (2) to make surveys and investigations of the wildlife of the public domain, including lands and waters or interests therein acquired or controlled by any agency of the United States; and (3) to accept donations of land and contributions of funds in furtherance of the purposes of said sections.”

16 USC 757a et seq.- Anadromous, Great Lakes, and Lake Champlain Fisheries

The Act authorizes cooperative agreements with States “that are concerned with the development, conservation, and enhancement of [anadromous] fish” (section 757a(a)).

16 USC 941h – Great Lakes monitoring, assessment, science, and research

Congress finds the following:

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(1) The Great Lakes support a diverse ecosystem, on which the vibrant and economically valuable Great Lakes fisheries depend.

(2) To continue successful fisheries management and coordination, as has occurred since signing of the Convention on Great Lakes Fisheries between the United States and Canada on September 10, 1954, management of the ecosystem and its fisheries require sound, reliable science, and the use of modern scientific technologies.

(3) Fisheries research is necessary to support multi-jurisdictional fishery management decisions and actions regarding recreational and sport fishing, commercial fisheries, tribal harvest, allocation decisions, and fish stocking activities.

(4) President Richard Nixon submitted, and the Congress approved, Reorganization Plan No. 4 (84 Stat. 2090), conferring science activities and management of marine fisheries to the National Oceanic and Atmospheric Administration.

(5) Reorganization Plan No. 4 expressly excluded fishery research activities within the Great Lakes from the transfer, retaining management and scientific research duties within the already-established jurisdictions under the 1954 Convention on Great Lakes Fisheries, including those of the Great Lakes Fishery Commission and the Department of the Interior.

16 USC 1361 - Congressional Findings

“The Congress finds that - (1) certain species and population stocks of marine mammals are, or may be, in danger of extinction or depletion as a result of man's activities;”

“The Secretary is authorized to make grants, or to provide financial assistance in such other form as he deems appropriate, to any Federal or State agency, public or private institution, or other person for the purpose of assisting such agency, institution, or person to undertake research in subjects which are relevant to the protection and conservation of marine mammals, and shall provide financial assistance for, research into new methods of locating and catching yellow-fin tuna without the incidental taking of marine mammals.”

16 USC 1431 et seq. - Findings, Purposes, and Policies [The National Marine Sanctuaries Act, as amended]

(b) Purposes and Policies

“The purposes and policies of this title are -

- (1) to identify and designate as national marine sanctuaries areas of the marine environment which are of special national significance;
- (2) to provide authority for ... conservation and management of these marine areas ...
- (3) to support, promote, and coordinate scientific research on, and monitoring of, the resources of these marine areas...
- (4) to enhance public awareness, understanding, appreciation, and wise use of the marine environment;
- (5) to facilitate to the extent compatible with the primary objective of resource protection, all public and private uses of the resources of these marine areas not prohibited pursuant to other authorities;

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- (6) to develop and implement coordinated plans for the protection and management of these areas...;
- (7) to create models of, and incentives for, ways to conserve and manage these areas..."
- (8) to cooperate with global programs ...; and
- (9) to maintain, restore, and enhance living resources ..."

16 USC 1447a et seq. - Regional Marine Research Programs

Authorizes NOAA/EPA and Governors of certain states to appoint members to a number of regional marine research boards. Each board is to develop a comprehensive four year marine research plan and "the Administrator of the National Oceanic and Atmospheric Administration shall administer a grant program to support the administrative functions of each Board."

Authorization for the Boards expires on October 1, 1999. The authorization for appropriations expired at the end of fiscal year 1996.

16 USC 1451 et seq. - Findings, Purposes, and Policies [Coastal Zone Management Act]

Establishes a voluntary partnership between the Federal Government and coastal States. It also establishes the National Estuarine Reserve Research program, in which the Secretary of Commerce may designate an estuarine area as a national estuarine research reserve in consultation with governor of affected state.

16 USC 1456a – Coastal Zone Management Fund

"(b) (1) The Secretary shall establish and maintain a fund, to be known as the 'Coastal Zone Management Fund', which shall consist of amounts retained and deposited into the Fund under subsection (a) of this section and fees deposited into the Fund under section 1456 (i) (3) of this title"

16 USC 1456-1 – Coastal and Estuarine Land Conservation Program

Amends the Coastal Zone Management Act of 1972 to authorize the Secretary of Commerce to conduct a Coastal and Estuarine Land Conservation Program to protect important coastal and estuarine areas. Requires related property acquisition grants to coastal states with approved coastal zone management plans or National Estuarine Research Reserve units. Authorizes appropriations.

16 USC 1467 – Establishment of the Digital Coast

(a) ESTABLISHMENT

(1) IN GENERAL

The Secretary shall establish a program for the provision of an enabling platform that integrates geospatial data, decision-support tools, training, and best practices to address coastal management issues and needs. Under the program,

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the Secretary shall strive to enhance resilient communities, ecosystem values, and coastal economic growth and development by helping communities address their issues, needs, and challenges through cost-effective and participatory solutions.

16 USC 1531 et seq. – Congressional Findings and Declaration of Purposes and Policy

The purposes of the Act are “to provide a means whereby the ecosystems upon which endangered species and threatened species depend may be conserved, to provide a program for the conservation of such endangered species and threatened species, and to take such steps as may be appropriate to achieve the purposes of the treaties and conventions set forth in [the statute]” (section 1531(b)).

16 USC 1801 et seq. - Magnuson-Stevens Fishery Conservation and Management Act

The primary purpose of the Act is “to take immediate action to conserve and manage the fishery resources found off the coasts of the United States (section 1801(b)(1)).”

16 USC 3645 - Pacific Coastal Salmon Recovery

“(A) For salmon habitat restoration, salmon stock enhancement, and salmon research, including the construction of salmon research and related facilities, there is authorized to be appropriated for each of fiscal years 2000, 2001, 2002, and 2003, \$90,000,000 to the States of Alaska, Washington, Oregon, and California. Amounts appropriated pursuant to this subparagraph shall be made available as direct payments. The State of Alaska may allocate a portion of any funds it receives under this subsection to eligible activities outside Alaska.”

Amended in PL109-479 Section 302(d) as follows: Section 16(d)(2)(A) of the Pacific Salmon Treaty, as transferred by paragraph (1), is amended—

- (1) by inserting “sustainable salmon fisheries,” after “enhancement,”;
- (2) by inserting “2005, 2006, 2007, 2008, and 2009,” after “2003”; and
- (3) by inserting “Idaho,” after “Oregon,”.

16 USC 4101 et seq. – Interjurisdictional Fisheries

“The purposes of this chapter are - (1) to promote and encourage State activities in support of the management of interjurisdictional fishery resources, and (2) to promote and encourage management of interjurisdictional fishery resources through their range” (3) to promote and encourage research in preparation for the implementation of the use of ecosystems and interspecies approaches to the conservation and management of interjurisdictional fishery resources throughout their range.”

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16 USC 4701 et seq. - Aquatic Nuisance Prevention and Control

Establishes an interagency Aquatic Nuisance Species Task Force, of which the Administrator of NOAA is a co-chair. The task force's responsibilities include developing and implementing "a program for waters of the United States to prevent introduction and dispersal of aquatic nuisance species; to monitor, control and study such species; and to disseminate related information."

16 USC 5001 et seq. - Purpose of Convention

"It is the purpose ... to implement the Convention for the Conservation of Anadromous Stocks in the North Pacific Ocean, signed in Moscow, February 11, 1992."

16 USC 8206 – America's Conservation Enhancement Act

(a) In general

The Director, the National Oceanic and Atmospheric Administration Assistant Administrator, the Environmental Protection Agency Assistant Administrator, and the Director of the United States Geological Survey, in coordination with the Forest Service and other appropriate Federal departments and agencies, may provide scientific and technical assistance to Partnerships, participants in fish habitat conservation projects, and the Board.

Customs Duties

19 USC 4732 – United States-Mexico-Canada Agreement Implementation

(a) IN GENERAL.—Upon the request of the Trade Representative, the Administrator of the Environmental Protection Agency, the Director of the U.S. Fish and Wildlife Service, and the Administrator of the National Oceanic Atmospheric Administration may detail, on a reimbursable basis, one employee of each such respective agency to the Office of the United States Trade Representative to be assigned to the United States Embassy in Mexico to carry out the duties described in subsection (b).

Money and Finance

31 USC 1105 - Budget Contents and Submission to Congress

(a) On or after the first Monday in January but not later than the first Monday in February of each year, the President shall submit a budget of the United States Government for the following fiscal year. Each budget shall include a budget message and summary and supporting information.

Amended in PL108-447 (FY 2005 Omnibus Appropriations Act) as follows: "*Provided further*, That beginning in fiscal year 2006 and for each fiscal year thereafter, the Secretary of Commerce shall include in the budget justification materials that the

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Secretary submits to Congress in support of the Department of Commerce budget (as submitted with the budget of the President under section 1105(a) of title 31, 10 United States Code) an estimate for each National Oceanic and Atmospheric Administration procurement, acquisition and construction program having a total multiyear program cost of more than \$5,000,000 and simultaneously the budget justification materials shall include an estimate of the budgetary requirements for each such program for each of the 5 subsequent fiscal years.”

31 USC 6401 - Grant Reporting - Efficiency and Agreements Transparency Act of 2019
To modernize Federal grant reporting and other purposes.

Navigation and Navigable Waters

33 USC 706 et seq. - Department of Commerce; Current Precipitation Information; Appropriation

“There is authorized an expenditure as required,..., for the establishment, operation, and maintenance by the Secretary of Commerce of a network of recording and non-recording precipitation stations, known as the Hydroclimatic Network, whenever...such service is advisable...”

33 USC 883a et seq. - Surveys and Other Activities

“...the Secretary...is authorized to conduct the following activities:

- (1) Hydrographic and topographic surveys;
- (2) Tide and current observations;
- (3) Geodetic-control surveys;
- (4) Field surveys for aeronautical charts;
- (5) Geomagnetic, seismological, gravity, and related geophysical measurements and investigations, and observations ...”

33 USC 883b - Dissemination of Data; Further Activities

“...the Secretary is authorized to conduct the following activities:

- (1) Analysis and prediction of tide and current data;
- (2) Processing and publication of data...;
- (3) Compilation and printing of nautical charts...;
- (4) Distribution of nautical charts...”

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33 USC 883c - Geomagnetic Data; Collection; Correlation, and Dissemination

"To provide for the orderly collection of geomagnetic data...the Secretary ... is authorized to collect, correlate, and disseminate such data."

33 USC 883d - Improvement of Methods, Instruments, and Equipments; Investigations and Research

"...the Secretary ... is authorized to conduct developmental work for the improvement of surveying and cartographic methods, instruments, and equipments; and to conduct investigations and research in geophysical sciences..."

33 USC 883e - Cooperative Agreements for Surveys and Investigations; Contribution of Costs Incurred by National Oceanic and Atmospheric Administration

"(1) The Secretary of Commerce is authorized to enter into cooperative agreements with, and to receive and expand funds made available by... for surveys or investigations... or for performing related surveying and mapping activities... and for the preparation and publication of the results thereof."

"(2) The Secretary of Commerce is authorized to establish the terms of any cooperative agreement entered into ... including the amount of funds to be received ... which the Secretary determines represents the amount of benefits derived ... from the cooperative agreement."

33 USC 883f - Contracts with Qualified Organizations

"The Secretary is authorized to contract with qualified organizations for the performance of any part of the authorized functions of the National Ocean Survey..."

33 USC 883h - Employment of Public Vessels

"The President is authorized to cause to be employed such of the public vessels as he deems it expedient to employ, and to give such instructions for regulating their conduct as he deems proper in order to carry out the provisions of this subchapter."

33 USC 883i - Authorization of Appropriations

"There are hereby authorized to be appropriated such funds as may be necessary to acquire, construct, maintain, and operate ships, stations, equipment, and facilities and for such other expenditures, including personal services at the seat of government and elsewhere and including the erection of temporary observatory buildings and lease of sites therefore as may be necessary..."

33 USC 891 et seq. - Fleet Replacement and Modernization Program

"The Secretary is authorized to implement... a 15-year program to replace and modernize the NOAA fleet."

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33 USC 893 et seq. - Research, Development, and Education

“The Administrator....shall establish a coordinated program of ocean, coastal, Great Lakes, and atmospheric research and development....that shall focus on the development of advanced technologies and analytical methods that will promote United States leadership in ocean and atmospheric science and competitiveness in the applied uses of such knowledge.”

33 USC 1121 et seq - National Sea Grant College Program Amendments Act of 2020

(a)FINDINGS - The Congress finds and declares the following:

(1)The national interest requires a strategy to—

(A) provide for the understanding and wise use of ocean, coastal, and Great Lakes resources and the environment;

(B) foster economic competitiveness;

(C) promote public stewardship and wise economic development of the coastal ocean and its margins, the Great Lakes, and the exclusive economic zone;

(D) encourage the development of preparation, forecast, analysis, mitigation, response, and recovery systems for coastal hazards;

(E) understand global environmental processes and their impacts on ocean, coastal, and Great Lakes resources; and

(F) promote domestic and international cooperative solutions to ocean, coastal, and Great Lakes issues.

33 USC 1141 Young Fisherman's Development Act

To preserve United States fishing heritage through a national program dedicated to training and assisting the next generation of commercial fishermen.

33 USC 1251 note - Water Pollution Prevention and Control

Through the National Shellfish Indicator Program, authorizes the Secretary of Commerce, in cooperation with the Secretary of Health and Human Services and the Administrator of EPA, to establish and administer a 5-year national shellfish research program for the purpose of improving existing classification systems for shellfish growing waters using the latest technological advancements in microbiology and epidemiological methods.

33 USC 1321 - Oil and Hazardous Substances [Clean Water Act]

Authorizes the recovery of damages to natural resources in the event of an oil spill in waters of the United States. This authority has been delegated to several Federal agencies, including the Department, pursuant to an Executive Order.

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33 USC 1441 - Monitoring and Research Program [Marine Protection, Research and Sanctuaries Act]

Authorizes the Secretary of Commerce, in coordination with other agencies, to initiate a comprehensive and continuing program of monitoring and research regarding the effects of the dumping of material into ocean waters or other coastal waters where the tide ebbs and flows or into the Great Lakes or their connecting waters.

33 USC 1442 - Research Program Respecting Possible Long-range Effects of Pollution, Overfishing, and Man-induced Changes of Ocean Ecosystems

Authorizes the Secretary of Commerce, in consultation with other agencies, to ... “initiate a comprehensive and continuing program of research with respect to the possible long-range effects of pollution, overfishing, and man-induced changes of ocean ecosystems.”

33 USC 1443 - Regional Management Plans for Waste Disposal in Coastal Areas

Authorizes the Secretary of Commerce to assist the Environmental Protection Agency in assessing “the feasibility in coastal areas of regional management plans for the disposal of waste materials.”

33 USC 1444 - Annual Report

Requires the Secretary of Commerce to provide Congress with an annual report on the Department’s activities to monitor ocean dumping and research the long-range effects of pollution on ocean ecosystems.

33 USC 1952 – NOAA Marine Debris Program

a) Establishment of Program

There is established, within the National Oceanic and Atmospheric Administration, a Marine Debris Program to identify, determine sources of, assess, prevent, reduce, and remove marine debris and address the adverse impacts of marine debris on the economy of the United States, the marine environment, and navigation safety.

33 USC 2706 - Natural Resources [NOAA Oil and Hazardous Substance Spill Cost Reimbursement]

“...the National Oceanic and Atmospheric Administration acts as trustee of said marine environment and/or resources, shall be deposited in the Damage Assessment and Restoration Revolving Fund ... for purposes of obligation and expenditure in fiscal year 1991 and thereafter, sums available in the Damage Assessment and Restoration Revolving Fund may be transferred, upon the approval of the Secretary ..., to the Operations, Research, and Facilities appropriation of the National Oceanic and Atmospheric Administration.”

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33 USC 2712 – Use of Oil Spill Liability Trust Fund

Amends Section 1012(a)(5) of the Oil Spill Liability Trust Fund Act by: “(2) by inserting after subparagraph (A) the following:“(B) not more than \$15,000,000 in each fiscal year shall be available to the Under Secretary of Commerce for Oceans and Atmosphere for expenses incurred by, and activities related to, response and damage assessment capabilities of the National Oceanic and Atmospheric Administration.”

33 USC 2801 et seq. - National Coastal Monitoring Act

“The purposes of this chapter are to -

- (1) establish a comprehensive national program for consistent monitoring of the Nation's coastal ecosystems;
- (2) establish long-term water quality assessment and monitoring programs for high priority coastal waters that will enhance the ability of Federal, State, and local authorities to develop and implement effective remedial programs for those waters;
- (3) establish a system for reviewing and evaluating the scientific, analytical, and technological means that are available for monitoring the environmental quality of coastal ecosystems;
- (4) establish methods for identifying uniform indicators of coastal ecosystem quality;
- (5) provide for periodic, comprehensive reports to Congress concerning the quality of the Nation's coastal ecosystems;
- (6) establish a coastal environment information program to distribute coastal monitoring information;
- (7) provide state programs authorized under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.) with information necessary to design land use plans and coastal zone regulations that will contribute to the protection of coastal ecosystems; and
- (8) provide certain water pollution control programs authorized under the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.) with information necessary to design and implement effective coastal water pollution controls.”

33 USC 3001 et seq.- NOAA Corps Officers

There shall be in the National Oceanic and Atmospheric Administration a commissioned officer corps.

33 USC 3402 – Coordinated National Ocean Exploration Program

The Administrator of the National Oceanic and Atmospheric Administration shall, in consultation with the National Science Foundation and other appropriate Federal agencies, establish a coordinated national ocean exploration program within the National Oceanic and Atmospheric Administration that promotes collaboration with other Federal ocean and undersea research and exploration programs. To the extent appropriate, the Administrator shall seek to facilitate coordination of data and information management systems, outreach and education programs to improve public understanding of ocean and coastal resources, and development and transfer of technologies to facilitate ocean and undersea research and exploration.

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33 USC 3501 – Ocean and Coastal Mapping Integration

Directs the President to establish a coordinated federal program to develop an ocean and coastal mapping plan for the Great Lakes and coastal state waters, the territorial sea, the exclusive economic zone, and the continental shelf of the United States that enhances ecosystem approaches in decision-making for conservation and management of marine resources and habitats, establishes research and mapping priorities, supports the siting of research and other platforms, and advances ocean and coastal science. Requires a plan for an integrated ocean and coastal mapping initiative within NOAA. Authorizes appropriations.

33 USC 3601 – Reauthorization of Integrated Coastal and Ocean Observation System Act

The purposes of this chapter are to—

(1) establish a national integrated System of ocean, coastal, and Great Lakes observing systems, comprised of Federal and non-Federal components coordinated at the national level by the National Ocean Research Leadership Council and at the regional level by a network of regional information coordination entities, and that includes in situ, remote, and other coastal and ocean observation, technologies, and data management and communication systems, and is designed to address regional and national needs for ocean information, to gather specific data on key coastal, ocean, and Great Lakes variables, and to ensure timely and sustained dissemination and availability of these data to—

(A) support national defense, marine commerce, navigation safety, weather, climate, and marine forecasting, energy siting and production, economic development, ecosystem-based marine, coastal, and Great Lakes resource management, public safety, and public outreach training and education;

(B) promote greater public awareness and stewardship of the Nation's ocean, coastal, and Great Lakes resources and the general public welfare; and

(C) enable advances in scientific understanding to support the sustainable use, conservation, management, and understanding of healthy ocean, coastal, and Great Lakes resources;

(2) improve the Nation's capability to measure, track, explain, and predict events related directly and indirectly to weather and climate change, natural climate variability, and interactions between the oceanic and atmospheric environments, including the Great Lakes; and

(3) authorize activities to promote basic and applied research to develop, test, and deploy innovations and improvements in coastal and ocean observation technologies, modeling systems, and other scientific and technological capabilities to improve our conceptual understanding of weather and climate, ocean-atmosphere dynamics, global climate change, physical, chemical, and biological dynamics of the ocean, coastal and Great Lakes environments, and to conserve healthy and restore degraded coastal ecosystems.

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33 USC 3703 – Federal Ocean Acidification Research and Monitoring

the Joint Subcommittee on Ocean Science and Technology of the National Science and Technology Council to: (1) coordinate federal activities on ocean acidification and establish an interagency working group; and (2) develop a strategic plan for federal research and monitoring on ocean acidification. Requires specified ocean acidification programs in NOAA, the National Science Foundation (NSF), and the National Aeronautics and Space Administration (NASA). Authorizes appropriations.

33 USC 4001 - Harmful Algal Bloom and Hypoxia Research and Control Amendments Act of 2017

The President, through the Committee on Environment and Natural Resources of the National Science and Technology Council, shall establish an Inter-Agency Task Force on Harmful Algal Blooms and Hypoxia. The Task Force shall consist of a representative from—the Department of Commerce (who shall serve as Chairman of the Task Force) among others.

33 USC 4213 – Rights and Obligations of the Foundation

(f) Consultation with NOAA – The Foundation shall consult with the Under Secretary during the planning of any restoration or remediation action using funds resulting from judgments or settlements relating to the damage to trust resources of the National Oceanic and Atmospheric Administration.

The Public Health and Welfare

42 USC 8902-8905 - Acid Precipitation Program

Authorized the Administrator of NOAA to serve as co-chair of a task force to prepare a comprehensive research plan for a program to study the causes and effects of acid precipitation. Also authorizes the Administrator of NOAA to serve as the director of a related research program.

42 USC 9601 et seq. (CERCLA)

Through associated regulations and delegations, authorizes the Administrator to provide technical assistance to the Administrator, EPA, for hazardous waste response under CERCLA and the National Contingency Plan and authorizes the Administrator to act as a natural resource trustee with authority to bring a cause of action for damages resulting from an injury to, destruction of or loss of resources under NOAA's jurisdiction.

Public Lands

43 USC 1347e - Safety and Health Regulations

Authorizes the Secretary of Commerce in cooperation with other Federal entities, to conduct studies of underwater diving techniques and equipment "suitable for protection of human safety and improvement of diver performance...."

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43 USC 3102 – National Landslide Preparedness Act

(a) ESTABLISHMENT.—The Secretary shall establish a program, to be known as the “National Landslide Hazards Reduction Program” (referred to in this section as the “program”)— (1) to identify and understand landslide hazards and risks; (2) to reduce losses from landslides; (3) to protect communities at risk of landslide hazards; and (4) to help improve communication and emergency preparedness, including by coordinating with communities and entities responsible for infrastructure that are at risk of landslide hazards.

(3) there is authorized to be appropriated to the National Oceanic and Atmospheric Administration, \$1,000,000 to carry out this section.

Public Printing and Documents

44 USC 1307 - Sale and Distribution of NOAA Nautical and Aeronautical Products

“All nautical and aeronautical products created or published ... shall be sold at ... prices ... the Secretary of Commerce shall establish annually ... so as to recover all costs attributable to data base management, compilation, printing, and distribution of such products.”

Transportation

49 USC 44720 - Meteorological services

The Administrator of the Federal Aviation Administration shall make recommendations to the Secretary of Commerce on providing meteorological services necessary for the safe and efficient movement of aircraft in air commerce. In providing the services, the Secretary shall cooperate with the Administrator and give complete consideration to those recommendations.

“To promote safety and efficiency in air navigation to the highest possible degree, the Secretary shall -(1)observe, measure, investigate, and study atmospheric phenomena, and maintain meteorological stations and offices...(2) provide reports to the Administrator (3)cooperate with persons engaged in air commerce in meteorological services...(4)maintain and coordinate international exchanges of meteorological information... (5) participate in developing an international basic meteorological reporting network...(6)coordinate meteorological requirements in the United States to maintain standard observations...;(7)promote and develop meteorological science.

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National and Commercial Space Programs

51 USC 60601 – Promoting Research and Observations of Space Weather to Improve the Forecasting of Tomorrow Act

(a) FINDINGS.—

(1) SPACE WEATHER.—Congress makes the following findings with respect to space weather:

(A) Space weather phenomena pose a significant threat to ground-based and space-based critical infrastructure, modern technological systems, and humans working in space.

(B) The effects of severe space weather on the electric power grid, satellites and satellite communications and information, aviation operations, astronauts living and working in space, and space-based position, navigation, and timing systems could have significant societal, economic, national security, and health impacts.

(C) Space-based and ground-based observations provide crucial data necessary to understand, forecast, and prepare for space weather phenomena.

(D) Clear roles and accountability of Federal departments and agencies are critical for efficient and effective response to threats posed by space weather.

(E) Space weather observation and forecasting are essential for the success of human and robotic space exploration.

(F) In October 2015, the National Science and Technology Council published a National Space Weather Strategy and a National Space Weather Action Plan seeking to integrate national space weather efforts and add new capabilities to meet increasing demand for space weather information.

(G) In March 2019, the National Science and Technology Council published an updated National Space Weather Strategy and Action Plan to enhance the preparedness and resilience of the United States to space weather.

(2) ROLE OF FEDERAL AGENCIES.—Congress makes the following findings with respect to the role of Federal agencies on space weather:

(A) The National Oceanic and Atmospheric Administration provides operational space weather monitoring, forecasting, and long-term data archiving and access for civil applications, maintains ground-based and space-based assets to provide observations needed for space weather forecasting, prediction, and warnings, provides research to support operational responsibilities, and develops requirements for space weather forecasting technologies and science.

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ADVISORY AND ASSISTANCE SERVICES
(Dollar Amounts in Thousands)

	<u>2025</u> <u>Actual</u>	<u>2026</u> <u>Enacted</u>	<u>2027</u> <u>Estimate</u>
Management and Professional Support Services	\$181,149	\$155,589	\$141,420
Studies, Analysis and Evaluations	\$38,211	\$32,819	\$29,831
Engineering and Technical Services	\$464,966	\$399,359	\$362,992
Total	<u>\$684,325</u>	<u>\$587,767</u>	<u>\$534,243</u>

Management and Professional Support Services

These services relate to the governmental functions of agency administration, management, and agency problem management. They involve management data collection, policy review or development, program development, review or evaluation, and systems engineering. This category includes procurement actions for research and development that meet the description of management and professional services.

Studies, Analyses, and Evaluations

Special studies and analyses deal with the highly specialized areas of agency activity, including air quality, chemical, environmental, geophysical, oceanographic, and technological areas. This category includes procurement actions for research and development that meet the description of special studies and analyses.

Engineering and Technical Services

These services provide the knowledge and special abilities that are not usually available within the agency. They are obtained through personnel appointments, procurement contracts, or advisory committees.

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PERIODICAL, PAMPHLETS, AND AUDIOVISUAL PRODUCTS
(Dollar Amounts in Thousands)

	2025 <u>Actual</u>	2026 <u>Enacted</u>	2027 <u>Estimate</u>
Periodicals	\$1,733	\$1,800	\$1,261
Pamphlets	\$1,272	\$1,321	\$926
Audiovisuals	\$571	\$593	\$416
Total	\$3,576	\$3,714	\$2,603

NOAA incurs charges for contractual printing, reproduction and audiovisual products to provide information to decision-makers in the US and abroad. As one of the world's premier scientific research organizations, NOAA scientists collect data and release hundreds of publications each year to support missions in weather, atmospheric sciences, oceanography, and coastal studies.

Periodicals: Includes the production of technical memoranda (tech memos) and technical reports (tech reports) covering disciplines such as aeronomy, geodesy, cartography, mathematics, and statistics.

Pamphlets: Includes the reproduction of related composition and binding operations. This encompasses standard forms, printed envelopes, letterheads, and publications specifically printed or assembled to order.

Audiovisual: Includes photography, photocomposition, and the reproduction of CD-ROMs and other electronic publications, as well as blueprinting, photostatting, and microfilming services.

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AVERAGE GRADE AND SALARY**

	<u>2025 Actual</u>	<u>2026 Enacted</u>	<u>2027 Estimate</u>
Average executive and SES level pay plans	\$232,986	\$236,770	\$236,770
Average GS/GM grade	12	12	12
Average GS/GM salary	\$173,468	\$175,291	\$175,291
 Average Pay Band salary	 \$191,976	 \$197,272	 \$197,272
Average Commissioned Officers salary	\$97,650	\$101,361	\$105,010
Average salary for other positions (FWS/Wage Marine)	\$98,528	\$97,441	\$97,441

Average salaries provided here reflect the Military pay raise for 2026 and 2027.

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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, 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 OIGs' Semiannual Report to Congress.

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

Report Number	Report Title	Issue Date	Rec. Number	Recommendation	Action(s) Planned	Action Status (Planned, In-Progress, or Complete)	Target Completion Date	Recommendation Status (Planned, In-Progress, or Complete)
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	1	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS Identifies the NCCF effort as a program or project in accordance with DAO 208-16.	NESDIS will develop a management control approach for NCCF that is in accordance with Department of Commerce guidelines aligned with DAO 208-16.	Complete	02/28/2025	Complete
OIG-24-034-A	A lack of program management	08/27/2024	2	We recommend the NOAA Administrator direct	The NESDIS established an Independent Review	Complete	07/31/2025	Complete

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	controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system			the NOAA Deputy Under Secretary of Operations ensure NESDIS Implements appropriate, formal management controls for the NCCF as described in the DOC Acquisition Agile Program and Project Management Guidebook, including a formal lifecycle cost estimate; cost, schedule, and technical performance baselines; and performance measurement against those baselines.	Board (IRB) to assess the NCCF development and started its independent review of the NCCF development at the end of July 2024. The NESDIS-level IRB will finalize its independent review of the NCCF against the DOC Acquisition Agile Program and Project Management Guidebook by late August 2024. OCS will use the independent review findings to inform the maturation of the formal management controls for the NCCF and the implementation strategy to align cost, schedule, and technical performance baselines of the NCCF investment.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common	08/27/2024	3	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS Delivers official requirements to OCS for development of the NCCF.	We concur. NESDIS will define and deliver requirements for the development of the NCCF. The top-level requirements contained within the [in-baseline process] NESDIS Ground Enterprise (NGE) objectives document are based on clear architectural and operational baselines that define the NCCF.	Complete	07/31/2025	Complete

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	ground system				This NGE objectives document provides clear traceability of NCCF-relevant requirements within the objectives document to NCCF functional requirements. Those NCCF (NGE) requirements provide well-defined scope, thresholds, and objectives for OCS development processes.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	4	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS directs OCS to comply with all aspects of NESDIS requirements management policy, including establishment of a requirements management board to oversee requirements and creation of a requirements management plan for the NCCF.	NESDIS will comply with all aspects of NESDIS requirements management policy. The NESDIS enterprise requirements will be managed through an existing configuration control board that controls requirements baselines. NESDIS will establish and manage a lower level requirements configuration control board for NCCF and document the process in a requirements management plan.	Complete	07/31/2025	Complete
OIG-24-034-A	A lack of program management	08/27/2024	5	We recommend the NOAA Administrator direct	NESDIS will evaluate federal criteria governing IT investment	Complete	07/31/2025	Complete

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	controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system			the NOAA Deputy Under Secretary of Operations to ensure NCCF financial, project, and performance data is reported to OMB via the Federal IT Dashboard, in accordance with federal budget guidance.	reporting to ensure the NCCF complies with relevant statutes, regulations, and guidance. This analysis will ensure differential categorization of IT investment for mission delivery vs. standard IT investments, in accordance with OMB guidance. NESDIS will continue monitoring and developing cloud computing reporting guidance and ensure submissions evolve to accurately capture all relevant aspects of the IT portfolio.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	6	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS updates the NESDIS penetration testing process to ensure: a. Penetration testers have adequate access to examine all system components. b. Penetration test findings are documented in POA&Ms in the	6a - As part of the formulation for Rules of Engagement for penetration testing, the penetration testers are only excluded from out of bounds areas that may have a real-world mission impact via black listed IP address ranges. Their access to equipment depends on a variety of factors including if it is an on-site penetration test or off-site remote test, or whether it's a black box, gray box, or white box test.	Complete	09/30/2025	Complete

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				security system of record. c. Penetration tests are conducted prior to the creation of the SAR that supports the annual authorization process. d. The SAR includes penetration test results and any testing limitations that testers encountered.	NESDIS will ensure that future penetration testers have access pertinent to the type of test being conducted; request timely status reports; and that any concerns are reported so they can be addressed before the end of the test. All relevant NESDIS penetration testing documentation will be updated to reflect any changes, and all personnel will be informed of the changes. 6b - NESDIS will ensure that any findings, including open or closed, minor or critical, will be reported to the Authorizing Officials during the systems' official Security Control Assessment (SCA) Brief. Plan of Action and Milestones (POA&Ms) will be created for any remaining open issues and reported in Cyber Security Assessment and Management (CSAM) system within 1 week (7 days) of the finding(s). The NESDIS Penetration Testing			

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					Standard Operating Procedure (SOP) will be updated to reflect the above changes and ensure relevant personnel are briefed. 6c - NESDIS will ensure penetration tests are scheduled prior to the SCA by aligning schedules and informing stakeholders that the Security Assessment Report (SAR) takes into account the previous Penetration Test and is not dependent on a future Penetration Test. 6d - We concur. NESDIS is given a penetration test report that covers all aspects of the test. NESDIS will ensure that processes and procedures are updated to cover any limitations to the test that were found, and if any impediments were encountered by the PenTest team while trying to exploit the system. SAR reports have the penetration test results in them, however they are usually from the previous penetration test. Moving forward we will ensure that			

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					scheduling and activities are aligned and they are documented correctly.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	7	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS Includes root cause analysis and closure as part of the POA&M process.	OCS as the system owner will ensure consistent steps in the POA&M process to demonstrate root cause analysis and reporting closure of POA&Ms through the established organizational processes.	Complete	09/30/2025	Complete
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	8	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS conducts an after-action review to determine the root cause(s) of the security weaknesses detailed in the OIG penetration test report and creates POA&M(s) to resolve the root cause(s).	NESDIS conducted meetings and developed plans with system stakeholders to discuss findings, and to mitigate them as well as establish official POA&Ms listed in CSAM. All but one POA&M have been remediated successfully, checked for compliance and closed. The remaining open POA&M is currently in work and is dependent on partner schedules to complete. Most findings identified by the OIG were closed within a week. The	Complete	09/30/2025	Complete

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					others were closed in a timely manner with sufficient compliance artifacts. NESDIS will ensure that the root cause is addressed by conducting an After-Action Review after the penetration test with system stakeholders, and that any changes are incorporated into the penetration test policies and procedures. This will ensure that whatever caused the finding(s) is solved and that system personnel are properly educated and trained to recognize these types of issues before they are elevated into real security concerns.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	9	We recommend the NOAA Administrator direct the NOAA Deputy Under Secretary of Operations ensure NESDIS migrates the NCCF cloud system to a FedRAMP® approved high-impact cloud platform or provides the	Since the initial assessment of the NESDIS cloud platform by the OIG, NESDIS has found through continual assessments and analysis of the AWS documentation and consultations with AWS senior assessors, that the NCCF provides equivalent protection to that of the NIST High Security Baseline. Through the	Complete	09/30/2025	Complete

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				equivalent protection.	assessment and Authorization process NESDIS will ensure the NCCF continues to provide equivalent protections to a high impact cloud platform. By the target implementation date, the NCCF will be assessed at the 800-53 r5 controls which will demonstrate it meets the high impact cloud baseline.			
OIG-24-034-A	A lack of program management controls and attention to it security threatens the success of NOAA's effort to implement a cloud-based common ground system	08/27/2024	10	Revises NCCF security documents to ensure security controls align with the high-impact security requirements.	NESDIS will ensure all high impact controls are implemented in accordance with the requirements identified in the NIST 800-53 as amended and any related AWS Customer Responsibility Matrix documents. By the target implementation date, the NCCF will be assessed at the 800-53 r5 controls which will demonstrate it meets the high impact cloud baseline.	Complete	09/30/2025	Complete
OIG-24-034-A	A lack of program management controls and attention to it	08/27/2024	11	Updates the NCCF's analysis of alternatives to include moving to a multi-region	NESDIS will review and update its analysis of alternatives to include moving to a multi-region architecture and	Complete	09/30/2025	Complete

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	security threatens the success of NOAA's effort to implement a cloud-based common ground system			architecture and document a risk and cost-based decision on how NESDIS will meet the NCCF's availability requirements.	document the cost-based decision(s) on NESDIS' ability to meet availability requirements.			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	4/23/2025	1	We recommend the NOAA Administrator ensure that the National Weather Service assesses the extent to which tropical cyclone watches and warnings provide adequate advance notice to the public commensurate with NHC capabilities and emergency manager requirements and revises those products as warranted	NOAA will conduct discussions internally and with external users about the feasibility and effectiveness of providing tropical cyclone wind and storm surge hazard information at longer lead times. NOAA will create an annotated bibliography of tropical social science research to assess emergency management and public needs associated with tropical cyclone watches and warnings. If NOAA determines there is a deficiency in lead times for tropical cyclone forecast and hazard information, NOAA will explore extending the lead time of existing hazard information and/or creating new products/services that could meet these requirements.	In-Progress	05/31/2028	In-Progress

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					The NWS will continue working toward extending operational tropical cyclone track and intensity forecasts from 5 days to 7 days. The National Hurricane Center (NHC) has been making these forecasts internally to verify their performance before considering them for operational implementation.			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	2	We recommend the NOAA Administrator ensure that the Assesses its tropical cyclone forecast verification process to a) determine how best to measure performance excluded by current methodology, b) determine how best to verify tropical cyclone watches and/or warnings to better understand their effectiveness at protecting life and property, and c) implement process improvements as warranted.	NOAA is taking a multi-faceted approach to evaluate the effectiveness of tropical cyclone watches and warnings. To partially address Recommendation 2a, NWS has begun to specifically verify tropical cyclone track and intensity forecasts when land-based watches or warnings are in effect. NOAA will also begin an annual review of tropical cyclone related forecast metrics and propose new metrics for testing and evaluation. Additionally, NWS and the Office of Oceanic and Atmospheric Research (OAR) have an ongoing	In-Progress	10/31/2030	In-Progress

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					collaboration to support a longitudinal based public survey to understand perceptions, comprehension, and protective action decisions with respect to tropical cyclone products. This survey will allow for trend analysis and the identification of risk communication gaps. NWS also has a project underway to develop quick response survey mechanisms to measure societal response to events. This process will be applied across hazards including those associated with tropical cyclones. Combined, these efforts will provide yearly societal insights on improvements needed, which can then be brought forward to the NWS Tropical Roadmap team annually for implementation consideration. Actions to address these recommendations are also tied to broader efforts to address Recommendation 7: "Establishes clear			

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					goals, desired outcomes, and reporting mechanisms for SBES initiatives intended to elicit action to reduce the loss of life and damage to property." and Recommendation 8: "Evaluate how to integrate collection of socioeconomic data to align with NOAA's institutional observations requirements process."			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	3	We recommend the NOAA Administrator ensure that the National Weather Service Develops and implements an oversight plan to monitor aircraft scheduling effectiveness, using the initial daily reconnaissance request sent to CARCAH as the baseline.	The NWS will work with United States Air Force Reserve Command (AFRC's) Chief, Aerial Reconnaissance Coordination, All Hurricanes (CARCAH) to enact a formal plan to track unmet requirements and effectiveness of reconnaissance flight schedules. As part of this process, the NWS will work with CARCAH to develop metrics to track data collection gaps. With the data collected the NWS will work with NOAA and AFRC flying units to determine if additional guidance is needed regarding aircraft	In-Progress	05/31/2026	In-Progress

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					scheduling for the National Hurricane Operations Plan (NHOP) to define mission frequency and overall effectiveness. As part of this process, the NWS will meet annually with NOAA/Office of Marine and Aviation Operations (OMAO) and the AFRC to document any scheduling deficiencies and propose updates to the NHOP on an annual basis as necessary.			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	4	We recommend the NOAA Administrator ensure that the National Weather Service Specifies aircraft collection times critical to the forecast and warning production cycle in the National Hurricane Operations Plan.	In combination with findings from Recommendation 3, NOAA will specify aircraft data collection time windows to maximize impact on both model forecasts of tropical cyclone track, intensity, structure, and hazards and the use of aircraft data by forecasters in their analysis and forecast process. The plan will also include studies to determine optimal scheduling for future planned observing systems to be integrated on reconnaissance aircraft. Based on the results of	In-Progress	05/31/2028	In-Progress

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					these studies, aircraft collection frequency and times in the NHOP will be adjusted, if necessary, on an annual basis.			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	5	We recommend the NOAA Administrator ensure that the National Weather Service Establishes a process with NOAA/OMAO and the AFRC to resolve observed aircraft scheduling deficiencies with an emphasis on meeting NHC requirements and documents the outcomes of these engagements.	During the 2025 hurricane season, NOAA will develop improved metrics and tracking of NHC requirements and scheduling deficiencies that result in these requirements not being met. NHC will meet annually with NOAA/OMAO, AFRC, and Chief, Aerial Reconnaissance Coordination, All Hurricanes (CARCAH) to discuss ways to resolve scheduling deficiencies and develop strategies to meet current and future requirements. As a result of these discussions, updates to the NHOP will be proposed as necessary.	In-Progress	05/31/2026	In-Progress
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts	04/23/2025	6	We recommend the Under Secretary of Commerce for Oceans and Atmosphere ensures the Deputy Under Secretary for	The NOAA Hurricane Forecast Improvement Project (HFIP) was initiated in 2007 and chartered under a Terms of Reference which established a	In-Progress	03/31/2026	In-Progress

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	and Warnings			Operations Implements and maintains an HFIP executive governance agreement to formalize organizational roles, responsibilities, and goals for hurricane forecasting and warning improvement.	project team, with executive oversight provided by the cross-LO Hurricane Executive Oversight Board (HEOB) chaired by the Oceanic and Atmospheric Research (OAR) and NWS Assistant Administrators. Since transitioning to a program as established under Section 104 of the Weather Research and Forecasting Innovation Act of 2017 within the NWS/ Office of Science and Technology Integration (OSTI), HFIP has prioritized data assimilation and hurricane modeling to address mandates to improve tropical cyclone rapid intensification and track prediction. The HFIP has worked with other NOAA programs, such as the Hurricane Supplemental program, as well as users and stakeholders, to prioritize projects that address the incorporation of risk communication within hurricane forecasting products and services, including for storm			

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					surge and other hazards. To more seamlessly align model development with upstream and downstream components of the value chain, including integration of social science into hurricane forecasting products and services, NOAA is in the process of 1) implementing a more comprehensive project structure to facilitate improved and more holistic planning and execution, as well as oversight across the enterprise from funding programs within NWS, OAR, NESDIS and other LOs as appropriate, and 2) formalizing the HEOB structure to include additional stakeholders across NWS, OAR, and NESDIS to fully realize HFIP objectives across the forecast value chain, including observations, modeling, data assimilation, ensemble prediction, verification, AI applications, SBES, and			

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					enhanced products and services.			
OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	7	We recommend the Under Secretary of Commerce for Oceans and Atmosphere ensures the Deputy Under Secretary for Operations Establishes clear goals, desired outcomes, and reporting mechanisms for SBES initiatives intended to elicit action to reduce the loss of life and damage to property.	In order to reduce the loss of life and damage to property, NOAA must effectively inform the decisions of its partners and the public. Efforts are currently underway to determine the best method for measuring how well NWS tropical cyclone products and services inform decisions and the greatest areas for growth. This type of metric is challenging to develop given the complexity of human nature and variables beyond NOAA's control. However, there are short- and long-term steps to establish clear goals, outcomes, and reporting mechanisms. In the shorter term, NOAA will continue to leverage existing social, behavioral and economic sciences (SBES) research, success metrics from other disciplines, and Impact-based Decision Support Services (IDSS) initiatives to explore internal metrics for documenting	In-Progress	09/30/2028	In-Progress

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					informed decision making. In the long term, NOAA requires robust longitudinal data on individual and group decision making during weather events to formalize reporting metrics. As stated above in the response to Recommendation 2, many established SBES initiatives are focused on this type of data collection, such as the development of an agent-based model for flood hazards, documenting emergency management workflows, and utilizing post-event evaluation methods to build a human response database. Ongoing and planned SBES NWS and OAR research and data collection in these areas will lead to a better understanding of the factors that influence how people make decisions about weather. This will allow for more robust, developed metrics going forward.			

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OIG-25-007-A	NOAA Should Assess Opportunities to Improve Hurricane Forecasts and Warnings	04/23/2025	8	We recommend the Under Secretary of Commerce for Oceans and Atmosphere ensures the Deputy Under Secretary for Operations Evaluates how to integrate collection of socioeconomic data to align with NOAA's institutional observations requirements process.	NOAA and the NWS are working to identify, collect, store, and share social, behavioral, and economic data to better understand the needs of the partners and communities we serve, as well as the impacts of weather events. NOAA OAR Weather Program Office (WPO) and the NWS SBES Program co-manage the Societal Data Insights Initiative that will develop a platform to integrate, analyze, store, and share SBES data. In addition, OAR WPO has been working collaboratively with NWS to prioritize research projects that collect the necessary data to support such efforts. These data will be available internally and externally to support SBES research efforts and inform NWS operations, products, and services. NOAA and the NWS are seeking to identify opportunities for accessing data from trusted sources and only collecting data that is missing or unavailable to support	Complete	09/30/2025	Complete

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					all weather hazards and how we develop relationships and communicate with partners and the public.			
OIG-25-012-I	The National Weather Service Should Further Strengthen Its Protection of Essential Operational Technology	2/27/2025	1	We recommend that the Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator ensure the NWS Director implements the following: Review NWS OT systems to ensure that they (a) securely store credentials, including hashes; (b) have debugging disabled where appropriate; and (c) do not use default passwords.	The OT system's Federal Information Security Management Act (FISMA) personnel have opened two (2) plans of actions and milestones (POA&Ms) to mitigate Recommendation 1 (a) and (c). Additionally, the mitigations to address Recommendation 1 (b) were applied in July 2024, upon initial identification by the OIG team.	Complete	6/30/2025	Complete
OIG-25-012-I	The National Weather Service Should Further Strengthen Its Protection of Essential Operational Technology	2/27/2025	2	We recommend that the Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator ensure the NWS Director implements the following: Remove insecure protocols	NWS staff took-action in September 2024 to disable Telnet on system B once it was identified as present. System B's IT Modernization project (continue through FY 2026) will continue to ensure we address internal sites using Hypertext Transfer Protocol (HTTP) by	In-Progress	10/30/2026	In-Progress

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				such as HTTP and telnet and follow OMB requirements to encrypt internal traffic.	either a) migrating the site to HTTPS or b) decommissioning the site, following OMB requirements to encrypt internal traffic.			
OIG-25-012-I	The National Weather Service Should Further Strengthen Its Protection of Essential Operational Technology	2/27/2025	3	We recommend that the Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator ensure the NWS Director implements the following: Follow NIST's Secure Software Development Framework when developing new systems to ensure that internet access is limited.	Immediate actions were taken to close this vulnerability in June 2024 upon identification by the OIG team. The DOC Configuration Management Standard and NOAA8102 (ASOS) Configuration Management Plan have been uploaded to the OIG Finding #3 Artifacts folder. The ASOS CM Plan outlines the configuration control process and related forms while Section 4.1 outlines the software procedures in detail.	Complete	6/12/2025	Complete
OIG-25-012-I	The National Weather Service Should Further Strengthen Its Protection of Essential Operational Technology	2/27/2025	4	We recommend that the Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator Conduct vulnerability scanning on all devices within an OT system in	System B addressed the vulnerability scanning deficiency immediately upon identification by the OIG team in July 2024 with validation of 100 percent coverage during annual continuous monitoring assessment and authorization (A&A) activities in November 2024. System D has	In-progress	10/30/2026	In-progress

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				accordance with NOAA policy	opened a POA&M to address the vulnerability scanning deficiencies. Additionally, the system has deployed NOAA's Big Fix System (NBFS) to mitigate residual risks of operation.			

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

Report Number	GAO-25-106236
Report Title	CLIMATE CHANGE: Improved Data and Performance Management Would Strengthen U.S. Support to the Indo-Pacific
Issue Date	12/6/2024
Recommendation Number	6
Recommendation	The Administrator of NOAA should ensure that the Director of the CRCP establishes procedures for the officials who manage the performance of climate activities to develop activity plans that identify external or internal factors that could affect achieving results and associated mitigation strategies.
Reason for the Decision not to Implement	In accordance with 16 U.S.C. § 6401 et. seq., recent executive orders, and Administration priorities, NOAA CRCP has not funded, nor plans to fund these types of projects.

Open Recommendation(s) the Department plans to implement.

Report Number	Report Title	Issue Date	Rec. Number	Recommendation	Target Implementation Date	Closure Request Pending with GAO (Yes/No)	Clear Budget

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							Implications (Yes/No)
GAO-21-560	Sexual Assault and Harassment: NOAA Has Made Substantial Progress in Prevention and Response, But Could Further Improve Its Processes	9/27/2021	1	The administrator of NOAA should ensure that future updates to the agency's sexual harassment and sexual assault prevention and response policy are consistent with all relevant legal requirements.	8/30/2025	Yes	Yes
GAO-21-560	Sexual Assault and Harassment: NOAA Has Made Substantial Progress in Prevention and Response, But Could Further Improve Its Processes	9/27/2021	2	The administrator of NOAA should implement a mechanism requiring oversight by senior agency leaders of all disciplinary actions involving misconduct related to sexual assault and sexual harassment before such actions are finalized.	8/30/2025	Yes	Yes
GAO-21-560	Sexual Assault and Harassment: NOAA Has Made Substantial Progress in Prevention and Response	9/27/2021	5	The Administrator of NOAA should ensure the agency provides more information to specific individuals and the larger NOAA workforce about how the agency is	5/30/2025	Yes	Yes

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	but Could Further Improve Its Processes			responding to allegations of sexual assault and sexual harassment, as appropriate, such as regularly updating individuals on the status of their cases and by annually developing summary-level information for the workforce about the number, type, and resolution of cases.			
GAO-22-104449	Water Quality: Agencies Should Take More Actions to Manage Risks from Harmful Algal Blooms and Hypoxia	6/15/2022	1	The Administrator of NOAA and the Administrator of EPA, in collaboration with the members of the working group, should document and define what a national HAB and hypoxia program would entail, including identifying the program's resource needs.	12/2026	No	No
GAO-22-104449	Water Quality: Agencies Should Take More Actions to	6/15/2022	2	The Administrator of NOAA and the Administrator of EPA, in collaboration with the members of	12/2026	No	No

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	Manage Risks from Harmful Algal Blooms and Hypoxia			the working group, should develop performance measures to assess the working group's efforts, including the extent to which the recommended goals from the Research Plan and Action Strategy have been achieved.			
GAO-22-104449	Water Quality: Agencies Should Take More Actions to Manage Risks from Harmful Algal Blooms and Hypoxia	6/15/2022	5	The administrator of NOAA and the administrator of EPA, in collaboration with the members of the working group, should develop a national goal for the group focused on efforts to prevent HABS and hypoxia.	12/2026	No	No
GAO-22-104449	Water Quality: Agencies Should Take More Actions to Manage Risks from Harmful Algal Blooms and Hypoxia	6/15/2022	6	The Administrator of NOAA and the administrator of EPA, in collaboration with the members of the working group, should coordinate the development of a more comprehensive body of information on the costs and benefits of	12/2026	No	No

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				mitigation, control, and prevention actions for use by state, local, and tribal governments.			
GAO-23-105961	Emergency Alerts: NOAA Should Take Additional Actions to Help Ensure Tsunami Alerts Reach the Public at Risk.	5/16/2023	2	The NOAA administrator, in collaboration with FCC and FEMA, should clarify and document the agencies' responsibilities and a decision-making process for determining how to use IPAWS to deliver tsunami alerts to EAS.	12/31/2025	Yes	Yes
GAO-19-653	MARINE DEBRIS: interagency committee members are taking action, but additional steps could enhance the federal response.	9/25/2019	3	The chair of the interagency committee, in coordination with member agencies, should develop and implement a process to analyze the effectiveness of the interagency committee's	6/1/2026	Yes	Yes
GAO-25-107076	Fishery Disaster Assistance, Process is changing, but challenges remain to improve timeliness	04/30/2025	1	The Assistant Administrator for NMFS should provide access to the tracking system to staff working on the fishery resource disaster program and use	Completed	No	No

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	and communica tions			information from this system to update the program website.			
GAO-25-107076	Fishery Disaster Assistance, Process is changing, but challenges remain to improve timeliness and communica tions	04/30/20 25	2	The Assistant Administrator for NMFS should provide more detailed information on NMFS' website about the fishery resource disaster process to clarify the requirements for documents submitted by requesters, such as requests for fishery	12/31/26	No	Yes
GAO-25-107076	Fishery Disaster Assistance, Process is changing, but challenges remain to improve timeliness and communica tions	04/30/20 25	3	The Assistant Administrator for NMFS should assess whether staffing capacity is sufficient to administer the fishery resource disaster program.	Completed	Yes	Yes
GAO 25-107210	HURRICAN E HUNTER AIRCRAFT NOAA and Air Force	03/14/20 25	2	The Administrator of NOAA should, in coordination with the Commander of the Air Force Reserve Command,	06/01/2026	No	Yes

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	Should Take Steps to Meet Growing Demand for Reconnaissance Missions			develop and implement a process to systematically track data on the reasons Hurricane Hunter mission requirements are missed			
GAO 25-107210	HURRICANE HUNTER AIRCRAFT NOAA and Air Force Should Take Steps to Meet Growing Demand for Reconnaissance Missions	03/14/20 25	4	The Administrator of NOAA should perform a comprehensive assessment of its Hurricane Hunter workforce, including examining staffing levels and workforce structure, to inform future workforce planning	10/01/2027	No	Yes
GAO 25-107210	HURRICANE HUNTER AIRCRAFT NOAA and Air Force Should Take Steps to Meet Growing Demand for Reconnaissance Missions	03/14/202 5	5	The Secretary of Commerce should ensure that NOAA's funding needs for the Hurricane Hunter aircraft acquisitions are regularly communicated to the relevant stakeholder, including Congress, such as by including information on these needs in its	06/30/2025	Yes	Yes

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				annual budget requests.			
GAO 25-107210	HURRICANE HUNTER AIRCRAFT NOAA and Air Force Should Take Steps to Meet Growing Demand for Reconnaissance Missions	03/14/2025	7	The Administrator of NOAA should, in coordination with the Commander of the Air Force Reserve Command, establish a mechanism for their senior leaders to regularly communicate and share information about Hurricane Hunter plans and resources	06/30/2026	No	Yes
GAO-24-106336	FEDERAL FISHERIES MANAGEMENT Efforts to Reduce and Monitor Unintentional Catch and Harm Need Better Tracking	07/10/2024	1	The Assistant Administrator for NMFS should gather information from across the regions to identify any additional resources needed to support fisheries observers, and communicate these needs to relevant stakeholders, including Congress.	9/30/2026	No	Yes

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GAO-24-106336	FEDERAL FISHERIES MANAGEMENT Efforts to Reduce and Monitor Unintentional Catch and Harm Need Better Tracking	07/10/2024	2	The Assistant Administrator for NMFS should develop an updated National Bycatch Reduction Strategy Implementation Plan with measurable performance goals tied to specific time frames.	9/30/2026	No	Yes
GAO-24-106336	FEDERAL FISHERIES MANAGEMENT Efforts to Reduce and Monitor Unintentional Catch and Harm Need Better Tracking	07/10/2024	3	The Assistant Administrator for NMFS should develop a process for tracking progress toward the performance goals in the updated National Bycatch Reduction Strategy Implementation Plan and use the information to guide agency decision-making.	12/31/2026	No	Yes
GAO-24-106336	FEDERAL FISHERIES MANAGEMENT Efforts to Reduce and Monitor Unintentional Catch and Harm Need Better Tracking	07/10/2024	4	The Assistant Administrator for NMFS should develop a comprehensive written plan for reporting on bycatch estimates from the enhanced Fisheries One Stop Shop database, including how the	01/31/2026	No	Yes

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				agency will communicate over time on bycatch levels, trends, and information gaps.			

Recommendations designated by GAO as “Closed-Unimplemented for the past 5 years (2020-2025). 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

Report Number	Report Title	Issue Date	Rec. Number	Recommendation	Target Implementation Date	Reason No Final Action Taken or Action Not recommended taken	Closure Request Pending (Yes/No)
OIG-21-027-I	OMAO Must Define and Implement a Disciplined Requirements Management Process to Ensure Future Acquisitions Meet User Needs	5/21/2021	1	That the NOAA Deputy Under Secretary for Operations ensure that OMAO develop and regularly update a long-range vessel acquisition plan that lays out the dependencies between fleet objectives, funding, inventory, technology, and sustainment costs, among others and supports program milestone requirements.	06/01/2026	OMAO is working to implement this recommendation.	No

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OIG-20-006-A	NOAA's Office of Marine and Aviation Operations Needs to Improve the Planning and Governing of Its Ship Fleet Recapitalization Effort	11/12/2019	1	That the Director of NOAA Corps and OMAO develop a detailed contingency plan to reduce the risks associated with delays. The plan should address (a) capability and capacity gaps and (b) the cost of maintaining aging ships and utilizing alternatives.	06/01/2026	OMAO is working to implement this recommendation.	Yes
OIG-22-022-A	The Success of NOAA's Next-Generation Satellite System Architecture Depends on Sound Requirements Management Practices	6/8/2022	1	That the NOAA deputy Under Secretary for operations update policies and procedures to ensure user observation requirements are validated in advance of next-generation satellite system acquisitions.	07/15/2026	NESDIS is continuing to finalize the Validation Plan (NESDIS PLN 1315.1).	No
OIG-22-022-A	The Success of NOAA's Next-Generation Satellite System Architecture Depends on Sound Requirements Management Practices	6/8/2022	4	That the NOAA deputy Under Secretary for operations assign responsibility and design a process for determining the relative priority of each NOAA user observation requirement.	07/15/2026	The process has been designed, but NESDIS is continuing to wait for the new ASEOP and NOSC chair to settle in and review before finalizing it.	No

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OIG-22-022-A	The Success of NOAA's Next-Generation Satellite System Architecture Depends on Sound Requirements Management Practices	6/8/2022	6	That the NOAA deputy Under Secretary for operations ensure that NESDIS revises policies and procedures for assigning requirements to next-generation satellite programs.	11/3/2025	N/A	Yes
OIG-23-028-A	The GEOXO program: cost and schedule baselines are established, but NOAA should evaluate plans for the central satellite mission and revise its approach to performance gains to provide the best overall value	08/02/2023	1	Update GEOXO's central satellite plans to align with the expected availability level to determine cost and performance tradeoffs.	12/31/2025	No-Closed by OIG.	No
OIG-23-028-A	The GEOXO program: cost and schedule baselines are established, but NOAA should evaluate plans for the central satellite mission and revise its approach to performance gains to provide the best overall value	08/02/2023	2	Assesses the cost and performance tradeoffs of the second Central satellite to put its planned funds to better use.	12/31/2025	No, closed by OIG.	No

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OIG-24-018-I	Independent Program Evaluation of National Oceanic and Atmospheric Administration (NOAA) Fisheries Pandemic Relief Program	5/21/2024	1	Determine roles and responsibilities for oversight between NOAA and BIA. NOAA should ensure biannual progress reports for CAA funding for Tribes are collected and reviewed for compliance and take corrective action as necessary, including expediting funding that has not yet been distributed.	06/30/2026	Implementation is not complete	No
OIG-24-003-I	The Bureaus Are Resolving Single Audit Findings, but the Department and Bureaus Need to Update Their Single Audit Resolution Policies	10/23/2023	2	Recommend that the Deputy Assistant Secretary for Regional Affairs of EDA, the Grants Management Division Director of NIST, and the Deputy Under Secretary for Operations of NOAA review and revise their respective policies and procedures to comply with the Uniform Guidance that management decisions are issued within the 6-month deadline and contain the required content.	08/29/2025	Implementation complete	No

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OIG-24-028-A	The Puerto Rico Department of Natural and Environmental Resources Needs to Fully Comply with Procurement Regulations When Executing NOAA Awards	06/20/2024	1	We recommend that the NOAA Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator: Ensure OCM program staff document deviations from the cooperative agreement's budget and awards.	11/30/2025	Complete. NOS will submit an explanatory document and other relevant documentation to request recommendation closure in February 2026.	No
OIG-24-028-A	The Puerto Rico Department of Natural and Environmental Resources Needs to Fully Comply with Procurement Regulations When Executing NOAA Awards	06/20/2024	2	We recommend that the NOAA Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator: Implement a financial oversight process to ensure award recipients seek budget revision approvals for any changes to the approved budget categories.	11/30/2025	Complete. NOS will submit an explanatory document and other relevant documentation to request recommendation closure in February 2026.	No
OIG-24-028-A	The Puerto Rico Department of Natural and Environmental Resources Needs to Fully Comply with Procurement Regulations When Executing NOAA Awards	06/20/2024	3	We recommend that the NOAA Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator: Ensure PRDNER obtains and retains all required documentation, including (a) all procurement documentation including sole-source justifications and award decisions from General Services Administration, (b) notifications to NOAA of	11/30/2025	Complete. NOS will submit an explanatory document and other relevant documentation to request recommendation closure in February 2026.	No

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				costs not included in the budget, and (c) approvals from the NOAA Grants Officer, when required.			
OIG-24-028-A	The Puerto Rico Department of Natural and Environmental Resources Needs to Fully Comply with Procurement Regulations When Executing NOAA Awards	06/20/2024	4	We recommend that the NOAA Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator: Collaborate with PRDNER, Puerto Rico's Office of Management and Budget, and the Office of the Administration and Transformation of Human Resources administrators to develop and implement a plan to hire sufficient staff, or consider subcontracting personnel, to resolve JBNERR's staffing challenges.	12/31/2026	On track.	No

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OIG-24-028-A	The Puerto Rico Department of Natural and Environmental Resources Needs to Fully Comply with Procurement Regulations When Executing NOAA Awards	06/20/2024	5	We recommend that the NOAA Under Secretary of Commerce for Oceans and Atmosphere and NOAA Administrator: Consider options for a split-operations award with a supporting entity to assist JBNERR in meeting its performance requirements.	12/31/2026	In progress. The JBNERR is working now to hire an outside consultant to develop recommendations on potential shifts in operations.	No

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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National Oceanic and Atmospheric Administration
Operations, Research, and Facilities
Description of Tribal Consultations
(Dollar amounts in thousands)

NOAA's tribal consultation efforts do not relate to the FY 2027 budget submission.

Summary Description of Tribal Consultations:

- Executive Order (E.O.) 13175, "Consultation and Coordination with Indian Tribal Governments" (November 6, 2000), requires each Federal agency to establish procedures for meaningful consultation and coordination with tribal officials in the development of Federal policies that have tribal implications. The procedures outlined in the NOAA Procedures for Government-to-Government Consultation with Federally Recognized Indian Tribal Governments (NOAA Tribal Consultation Handbook)¹ provide further guidance to NOAA Line Offices to support a more consistent, effective and proactive approach to conducting tribal consultations. The Handbook is intended to improve NOAA's management of its relations and cooperative activities with Indian tribes, and to provide for meaningful and timely input from Indian tribes into the Federal decision-making process on policy matters having substantial direct effects on them.

¹ https://www.noaa.gov/sites/default/files/2023-07/NOAA_Tribal_Consultation_Handbook_2023_FINAL.pdf

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