# THE FEDERAL METEOROLOGICAL ENTERPRISE

Fiscal Year 2025
Budget and
Coordination
Report

## The Federal Meteorological Enterprise:

Fiscal Year 2025 Budget and Coordination Report

INTERAGENCY COUNCIL FOR ADVANCING METEOROLOGICAL SERVICES (ICAMS)

INTERAGENCY METEOROLOGICAL COORDINATION
OFFICE (IMCO)

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#### **Preface**

Severe weather, from day to day events to major disasters, significantly impact our Nation's people and our economy. A diversity of U.S. Government departments and agencies advance meteorological science and services, necessitating coordination and oversight of the Nation's Federal weather enterprise. The Interagency Council for Advancing Meteorological Services (ICAMS) is the formal mechanism by which all relevant Federal departments and agencies coordinate the implementation of policy and strategy to ensure U.S. global leadership in meteorological and related services, through coordinated research, observations, and data management practices.

The ICAMS enables the following aspirational goal:

The United States will lead the world in meteorological services via an Earth system approach, providing societal benefits with information spanning local weather to global climate.

Produced under the *ICAMS*, this report satisfies the requirements of Public Law 87-843, Section 304, which calls for an annual cross-agency view of resources applied to meteorological services and supporting research.

This report has been compiled through the efforts of many agency budget experts and meteorology-related, functional experts. As ICAMS continues to strengthen, we will continue our efforts to address the 2017 Weather Research and Forecasting Innovation Act (PL 115-25, section 402) which calls for the coordination of top forecast needs against budget requests and program initiatives from the participating ICAMS agencies, and include our progress in future reports. My sincere thanks to our agency partners for their contributions to this report.

Joseph J. Cione, Ph.D.
Director, Interagency Council for Advancing Meteorological Services
Office of Science and Technology Policy
Executive Office of the President

#### **Purpose**

This annual report is prepared for the Office of Management and Budget and the Congress to satisfy the requirements of PL 87-843 section 304, in which Congress directed that OMB prepare an annual horizontal budget for meteorological programs conducted by the Federal agencies.

The budgetary information in this report provides a 'horizontal' look at the meteorological funding requested in the FY2025 President's Budget Request and the actual, enacted, and supplementary funding over the previous two fiscal years. The specifics of the budgetary information requested from the agencies are outlined in an ICAMS-developed, OMB-coordinated, input reporting guide that was provided to the agencies as part of the annual data call.

This report consists of budgetary information compiled in the enclosed budget table 1: FY2025 ICAMS Horizontal Budget.

### **Interagency Council for Advancing Meteorological Services (ICAMS)**

The Interagency Council for Advancing Meteorological Services (ICAMS) is the formal mechanism by which all relevant Federal departments and agencies (Ds/As) coordinate the implementation of policy and practices to ensure U.S. global leadership in the meteorological services enterprise. ICAMS also informs the development of relevant Federal policies and coordinates with relevant National Science and Technology Council (NSTC) interagency bodies and across and within individual Ds/As to inform and support science and policy efforts.

ICAMS is chartered under authority of the Director of the Office of Science and Technology Policy (OSTP) to serve as the Interagency Committee for Advancing Weather Services pursuant to Public Law No. 115-25, title IV, sec. 402 (Apr. 18, 2017), 15 U.S.C. § 8542.

As a continuation of the mandate in Public Law No. 87-843, title III, sec. 304 (Oct. 18, 1962), 68 Stat. 1114, and consistent with Public Law No. 115-25, ICAMS leads the annual development of an interagency budget review of programs supporting meteorological services and supporting research and annual implementation plans.<sup>1</sup>

The following set of principles guides the work of ICAMS:

- The meteorological enterprise is a national asset for ensuring personal and community safety, economic success, national security, and education;
- Individuals, and their creativity and dedication, are the greatest asset of the U.S. meteorological enterprise;
- Effective cross-agency coordination and external engagement are critical to success:
- Success for individuals and organizations is achieved via success of the enterprise as a whole;
- Efficiency is foundational to the stewardship of taxpayer dollars;

<sup>&</sup>lt;sup>1</sup> DoD will participate to the limits imposed by the Federal Acquisition Regulations.

- Research, operations, and applications are mutually beneficial, mutually reinforcing, and equally important for realizing ICAMS goals;
- Open debate and a diversity of opinions promote excellence and teamwork; and
- Excellence results in quality and promotes public trust.

(Further information can be found on the ICAMS website.)

#### Fiscal Year (FY) 2025 ICAMS Budget Crosscut by Agency

ICAMS AGENCY or DEPARTMENT	FY23 Actual (\$M)	FY24 Enacted (\$M)	FY25 Request (\$M)
Department of Agriculture (USDA)	201.1	195.3	210.2
Department of Commerce (DOC)	3634.4	3674.8	3950.7
Department of Defense (DOD)	624.3	642.5	578.9
Department of Energy (DOE)	265.9	258.2	264.2
Department of Health and Human Services (HHS)	0.0	0.0	0.0
Department of Homeland Security (DHS)	32.5	32.5	32.5
Department of the Interior (DOI)	111.4	105.9	125.9
Department of State (DOS)	16.0	14.3	16.0
Department of Transportation (DOT)	257.9	238.5	265.8
Environmental Protection Agency (EPA)	7.8	8.0	8.0
National Aeronautics and Space Administration (NASA)	296.2	312.3	327.3
Nuclear Regulatory Commission (NRC)	0.6	1.7	1.3
National Science Foundation (NSF)	190.5	160.5	170.6
National Transportation Safety Board (NTSB)	0.0	0.0	0.0
TOTAL (ICAMS)	5638.7	5644.4	5951.3

(See attached ICAMS budget table for detailed agency budget and program information)

	FY23	EV22 S.	upplemental (	(\$M)	FY24	EV24 Sun	oplemental (\$		FY25	CAMS Horizontal Budget	1	
ICAMS AGENCY or DEPARTMENT	Actual (\$M)	Actual	Actual	Actual IRA***	Enacted (\$M)	Actual	Actual		Request (\$M)	FY25 Request - Link to CJ or Agency Budget Document that describes the programs in Column J  (page references as necessary)	Program List (programs that comprise the budget totals in column J)	Clarification Notes
ALL ICAMS Departments and Agencies	5638.7	31.3	160.1	18.5	5644.4	2.2	168.4	178.1	5951.3	3	(programo monocomo mo	
											Risk Management Agency - Page 31 (PRISM); Natural Resources Conservation Service - Page 33 (Snow Survey & Water Forcasting; Forest Service - Page 72 (R&D, Wildfire Management); Agricultural	Risk Management Agency works directly Oregon State University's PRISM Group (PRISM) to produce and utilize
											Research Service - Page 91 (Environmental Stewardship); National Institute of Food and Agriculture - Page 94 (1890 Capacity Building Grants, others); Office of the Chief Economist - Page 102 (Joint	innovative spatial weather data sets. The data sets will be used to maintain and improve the crop insurance program through development and use of enhanced underwriting
USDA  Department of Commerce	3634.4	22.7	158.2	18.5			1.5	0.0 178.1	210.2 3950.	https://www.usda.gov/sites/default/files/documents/2025-usda-budget-summary.pdf		and compliance related tools and activities.
National Institute of Standards and Technology (NIST)	0.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.4	6 NIST internal references	National Winstorm Impact Reduction Program (NWIRP): the National Construction Safety Team (NCST), the Hurricane Maria Investigation and the Disaster and Failure Studies Program. All related to the NWIRP mission.	
National Oceanic and Atmospheric Administration (NOAA)	3633.8	22.7	158.2	18.5			166.9	178.1	3950.		ORF: Observations; Central Processing; Analyze, Forecast and Support; Dissemination; Science and Technology Integration.	
National Weather Service (NWS)	1432.8	6.4	75.1	2.5	1361.5	1.0	103.0	4.9	1367.4	4 03/NOAA FY25 Congressional Justification.pdf	PAC:Observations; Central Processing, Dissemination, Facilities  Includes NESDIS' current and next-generation satellite acquistion	FY23 = Spend Plan (Division B + Division N + Reprogrammings)
National Environmental Satellite, Data, and Information Service (NESDIS)	1706.3	0.0	5.0	16.0	1801.0	0.0	6.0	43.0	2138 (	https://www.noaa.gov/sites/default/files/2024- 2 03/NOAA FY25 Congressional Justification.pdf		FY24 = Spend Plan (Division C + Emergency Funding +
National Environmental Satellite, Data, and information Service (NESDIS)	1700.3	0.0	3.0	10.0	1001.0	0.0	0.0	43.0	2130.2	US/NOAA F125 Congressional Sustinication.pur	National Geodetic Survey (NGS) Shoreline Mapping and Geodesy Funding; Office of Coastal Survey (OCS) Mapping and Charting Base Funding, Hydrographic Surveys, and Bathymetric marine platforms	i i
											data; Center for Operational Oceanographic Products and Services (CO-OPS) National Water Level Observation Network (NWLON) and the Physical Oceanographic Real-Time System (PORTS): Integrated	
National Ocean Service (NOS)	226.0	10.6	50.1	0.0	225.5	0.0	41.9	96.4	209.9	FY 25 CJ NOS 5 - 18, 65	Ocean Observing System (IOOS) Regional Coastal Observing Systems; and Office of Coastal Management (OCM) base funding for NOAA Integrated Water program.	
National Ocean Service (NOS)	220.0	10.0	30.1	0.0	220.	0.0	41.3	30.4	203.	https://www.noaa.gov/sites/default/files/2024-	This funding is attributed to the following OAR PPAs: Climate Laboratories and Cooperative Institutes, Weather Labs & Cls, U.S. Weather Research Program, Joint Technology Transfer Initiative	
Office of Oceanic and Atmospheric Research (OAR)  Department of Defense (DOD)	268.8	5.7	28.1	0,25			16.0	33.8	234. <sup>7</sup> 578.9	7 03/NOAA FY25 Congressional Justification.pdf Pages OAR 9,10,18, 33-50.	and Research Acquisitions and Management.	
Department of Defense (DOD)	024.3	0.0	0.0	0.0	042.3	0.0	0.0	0.0	376.3	Army Justification Book Volume 4a of 4 Research, Development, Test & Evaluation, Army RDT&E – Volume III, Budget Activity 6, FY25 Budget Estimate, Page 222.  Army Justification Book Volume III of Research, Development, Test & Evaluation,	SMDC Ronald Reagan Ballistic Missile Defense Test Site, Contract	
										Army RDT&E - Volume III, Budget Activity 6, FY25 Budget Estimate, Pages 115, 125 139-140, 141-142, and 250.  Army Justification Book Volume I Operation and Maintenance, Budget Activity 01:		
										Operating Forces, Activity Group 13: Land Forces Readiness Support.  Detail by Subactivity Group 131: Base Operations Support, FY 2025 Budget Estimate, Page 202	meteorological education and training. DEVCOM Army Research Laboratory Programs. Interagency Council for the Advancement of Meterological Services (ICAMS) Program and CW2 - Exploitation of	
United States Army (USA)	25.1	0.0	0.0	0.0	24.0	0.0	0.0	0.0	97 (	Army Justification Book Volume 1b of 1 Research, Development, Test & Evaluation, Army RDT&E – Volume I, Budget Activity 2, FY25 Budget Estimate, Page 162-163.  Army Justification Book Volume 1b of 1 Research, Development, Test & Evaluation,	Atmospheric Impacts across Domains, Stream Gaging, Precipation Studies. Climate Change at Corps Projects. Forecast-Informed Reservoir Operations - Research and Development	
United States Army (USA)  United States Air Force (USAF)	196.9		0.0	0.0			0.0	0.0		FY25 DAF Budget Request (Research, Development, Test & Evaluation;  Other Procurement Vol 1-213, Operations and Maintenance Vol 1-148, 228)	Weather Service/Weather Observation Forecasts	Includes \$25M in RDT&E Congressional Adds, \$3M in O&M Congressional Add, and (\$1M) in Procurement Congressional Mark
United States Air Force (USAIF)  United States Marine Corps (USMC)	130.3	0.0	0.0	0.0	201.	0.0	0.0	0.0	IO+.	see note in column M  https://www.secnav.navy.mil/fmc/fmb/Documents/25pres/RDTEN_BA4_Book.pdf, p.	see note in column M Decision Support Products & Dissemination Research and	USMC included in USN Budget
										111 https://www.secnav.navy.mil/fmc/fmb/Documents/25pres/OMN_Book.pdf, p. 190, p. 237 https://www.secnav.navy.mil/fmc/fmb/Documents/25pres/OPN_BA3_Book.pdf, p.	METOC Data Assimilation and Modeling Research and Development, Tactical Environmental Support Research and Development, Operational Meteorology & Oceanography Operations and	
										167 https://www.secnav.navy.mil/fmc/fmb/Documents/25pres/OPN_BA5-8_Book.pdf, p. 265 https://www.secnav.navy.mil/fmc/fmb/Documents/25pres/OPN_BA2_Book.pdf, p.		
United States Navy (USN)	268.0	0.0	0.0	0.0	261.3	0.0	0.0	0.0	263.3		Support Equipment Procurement, General Purpose Electrical Test  Space Based Environmental Monitoring: Electro-Optical/Infrared	FY 2025 funding request was reduced by \$5 million to account for the availability of prior year execution
United States Space Force (USSF)	134.3	0.0	0.0	0.0	155.9	0.0	0.0	0.0	123.8	FY25 DAF Budget Request (Research, Development, Test & Evaluation: Space Force, Vol 1, 113 & 347)	Weather System (EWS), Weather System Follow-On - Mircrowave (WSF-M), Space Situational Awareness Environmental Monitoring	balances. New POC is SAF/SQSN: saf.sqs.sqsn@us.af.mil or 703-693-6067.
												The Office of Science's Earth and Environmental Systems Sciences Division (EESSD) activity supports basic research involving atmospheric and ecological sciences
												as well as research on integrative Earth system modeling and analysis. DOE/NNSA coordinates and supports operational meteorological programs at Defense Nuclear
											DOE conducts meteorological services and supporting research and	Facilities (DNF). DOE-EERE programs support DOE National Laboratories' support of the Offshore Wind Resource Science project, an offshore field observational
											related activities within several DOE entities: the Office of Science/Biological and Environmental Research (BER), the National Nuclear Security Administration (NNSA) for emergency operations	study of coastal and marine atmospheric boundary layer, wave-atmosphere interactions, and factors that control wind speeds within the marine boundary layer, including
Departmet of Energy (DOE)	265.9	0.0	1.9	0.0	258.2	0.0	0.0	0.0	264.2	https://www.energy.gov/sites/default/files/2024-03/doe-fy-2025-budget-in-brief-v2.pd	and in the Office of Energy Efficiency and Renewable Energy (EERE)	
Department of Health and Human Services (HHS)  National Institutes of Health (NIH)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	) see note in column M		
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	see note in column w	see note in column M	No report CDC does not receive funding dedicated to meteorology
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		) see note in column M	see note in column M see note in column M	No report CDC does not receive funding dedicated to meteorology services work
Centers for Disease Control and Prevention (CDC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.t	) see note in column M	see note in column M  All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding.	CDC does not receive funding dedicated to meteorology
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)	32.5	0.0	0.0 0.0 0.0 0.0	0.0	0.0 32.5 2.1 30.4	0.0	0.0	0.0	0.0 32.8 2.	see note in column M  PDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification	see note in column M  All funding for meteorological studies and services are part of	CDC does not receive funding dedicated to meteorology
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)	0.0 32.5 2.1 30.4	0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.1 30.4	0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.9 2.7 30.4	see note in column M  PDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding.  All funding for meteorological services is part of the operations and	CDC does not receive funding dedicated to meteorology
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)	0.0 32.5 2.1 30.4	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9	0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 125.9	see note in column M  PDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding. All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and	CDC does not receive funding dedicated to meteorology services work  BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)  Department of the Interior (DOI)	0.0 32.5 2.1 30.4 111.4	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9	0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 125.9	see note in column M  PDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding. All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and Streamflow Information p.107, National Water Quality p.117, National Land Imaging p.137  Remote Automated Weather Systems, 5 meteorologists directly, and	BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs total \$3M. BLM pays for 5 meteorologists directly (\$150k each) and pays for products from the National Weather Service (\$600k); total \$4.4M from preparedness
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)  Department of the Interior (DOI)	0.0 32.5 2.1 30.4 111.4	0.0 0.0 0.0 0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9	0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 125.9	see note in column M  PDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification  https://www.doi.gov/media/document/fy-2025-u-s-geological-survey-greenbook  Part of normal preparedness appropriations funding, no line item or specific direction to fund. Incident support paid with suppression appropriations. President's Budget -	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding.  All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and Streamflow Information p.107, National Water Quality p.117, National Land Imaging p.137  Remote Automated Weather Systems, 5 meteorologists directly, and products from the National Weather Service including lightning detection, and automated weather program, Alaska weather program information, and wildland fire application. BLM also funds the	BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs total \$3M. BLM pays for 5 meteorologists directly (\$150k each) and pays for products from the National Weather Service (\$600k); total \$4.4M from preparedness appropriations funding. \$325k spent on National Weather Service providing meteorologists for fire incident support paid with suppression appropriations. Increases are due
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)  Department of the Interior (DOI)  United States Geological Survey (USGS)	0.0 32.5 2.1 30.4 111.4 104.8	0.0 0.0 0.0 0.0 0.9	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9	0.0	0.0 0.0 0.0	0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 125.9 119.0	posee note in column M  posee	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding.  All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and Streamflow Information p.107, National Water Quality p.117, National Land Imaging p.137  Remote Automated Weather Systems, 5 meteorologists directly, and products from the National Weather Service including lightning detection, and automated weather program, Alaska weather program information, and wildland fire application. BLM also funds the National Weather Service to provide meteorologists for fire incident support paid with suppression appropriations	BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs total \$3M. BLM pays for 5 meteorologists directly (\$150k each) and pays for products from the National Weather Service (\$600k); total \$4.4M from preparedness appropriations funding. \$325k spent on National Weather Service providing meteorologists for fire incident support paid with suppression appropriations. Increases are due to additonal costs for weather service meteorologists for incident support.  NPS reported no budgetary or program inputs that meet
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)  Department of the Interior (DOI)  United States Geological Survey (USGS)  Bureau of Land Management (BLM)  National Park Service (NPS)	0.0 32.5 2.1 30.4 111.4 104.8	0.0 0.0 0.0 0.9 0.7	0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9 99.3	0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 32.5 2. 30.4 125.9 119.0	pDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification  https://www.doi.gov/media/document/fy-2025-u-s-geological-survey-greenbook  Part of normal preparedness appropriations funding, no line item or specific direction to fund. Incident support paid with suppression appropriations. President's Budget -> https://www.doi.gov/media/document/fy-2025-wildland-fire-management-agreenbook  see notes in column M  https://www.boem.gov/sites/default/files/documents/about-boem/FY2025_BOEM_Greenbook.pdf (Renewable Energy - pages 23-48;	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding. All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and Streamflow Information p.107, National Water Quality p.117, National Land Imaging p.137  Remote Automated Weather Systems, 5 meteorologists directly, and products from the National Weather Service including lightning detection, and automated weather program, Alaska weather program information, and wildland fire application. BLM also funds the National Weather Service to provide meteorologists for fire incident support paid with suppression appropriations  see notes in column M	BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs total \$3M. BLM pays for 5 meteorologists directly (\$150k each) and pays for products from the National Weather Service (\$600k); total \$4.4M from preparedness appropriations funding. \$325k spent on National Weather Service providing meteorologists for fire incident support paid with suppression appropriations. Increases are due to additonal costs for weather service meteorologists for incident support.
Centers for Disease Control and Prevention (CDC)  Department of Homeland Security (DHS)  Federal Emergency Management Administration (FEMA)  United States Coast Guard (USCG)  Department of the Interior (DOI)  United States Geological Survey (USGS)	0.0 32.5 2.1 30.4 111.4 104.8	0.0 0.0 0.0 0.0 0.9 0.7	0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 32.5 2.7 30.4 105.9 99.3	0.0	0.0 0.0 0.0 0.0 0.0	0.0 0.0 0.0 0.0 0.0	0.0 32.5 2.1 30.4 125.9 119.0	pDF pg. 154 https://www.dhs.gov/sites/default/files/2024- 04/2024_0320_federal_emergency_management_agency.pdf  FY 2025 USCG Congressional Justification  https://www.doi.gov/media/document/fy-2025-u-s-geological-survey-greenbook  Part of normal preparedness appropriations funding, no line item or specific direction to fund. Incident support paid with suppression appropriations. President's Budget - > https://www.doi.gov/media/document/fy-2025-wildland-fire-management-3 greenbook  see notes in column M https://www.boem.gov/sites/default/files/documents/about-	All funding for meteorological studies and services are part of Planning & Exercise's National Hurricane Program O&S funding.  All funding for meteorological services is part of the operations and support (O&S) appropriation  Programs/pages: Landslide Hazards p.81, Geomagnetism p. 89, Coastal/Marine Hazards and Resources p.93, Groundwater and Streamflow Information p.107, National Water Quality p.117, National Land Imaging p.137  Remote Automated Weather Systems, 5 meteorologists directly, and products from the National Weather Service including lightning detection, and automated weather program, Alaska weather program information, and wildland fire application. BLM also funds the National Weather Service to provide meteorologists for fire incident support paid with suppression appropriations	BLM pays for Remote Automated Weather Systems upkeep and maintanance. Employees plus services costs total \$3M. BLM pays for 5 meteorologists directly (\$150k each) and pays for products from the National Weather Service (\$600k); total \$4.4M from preparedness appropriations funding. \$325k spent on National Weather Service providing meteorologists for fire incident support paid with suppression appropriations. Increases are due to additonal costs for weather service meteorologists for incident support.  NPS reported no budgetary or program inputs that meet
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