

Fiscal Year 2020 Appropriations

Mississippi

HR.1158 – Consolidated National Security Bill

Department of Defense, 2020

- **LHA-9** – \$650 million increase to fund the advanced procurement of the LHA-9 amphibious assault ship.
- **LPD** – \$277.9 million increase to fund the advance procurement of the LPD amphibious warship.
- **DDG-51** – \$390 million increase for long lead time material for FY2021 to fund the Arleigh Burke Class DDG-51 Flight III ships.
- **UH-72 Lakota Light Utility Helicopter** – \$27 million to procure an additional three aircraft, which are built in Columbus.
- **Army Research Activities** – Increased funding to support Army research involving multiple projects, including work involving the U.S. Army Engineer Research and Development Center (ERDC) in Vicksburg, Mississippi State University (MSU), University of Mississippi, University of Southern Mississippi, and others. These projects include:
 - High Performance Computing Modernization Program – \$40.0 million increase for the Army’s high performance computing modernization program. These funds are critical for the viability of ERDC and affects the Mississippi State University high performance computing program.
 - Advanced Polymer Development for Force Protection – \$4.5 million
 - Rapid Hazard Detection Sensing Technologies – \$2.5 million
 - UAS Mounted Hostile Threat Detection System Technology – \$5 million
 - Micrometeorological-Soil Synthetic Test Environment – \$1 million
 - Multimission Medium Range Railgun Weapon System – \$20 million
 - Partnership & Technology Transfer – \$4 million
 - Sensor Systems for Underground Detection – \$3 million
 - Advanced Hemostat products – \$2 million
 - Cellulose Nanocomposites Research – \$5 million
 - Cold Spray Technologies – \$15 million
- **Air Force Research Activities** – Significant funding increase to support Air Force research involving multiple projects such as:
 - Ultra-long Endurance Unmanned Aerial Vehicles – \$15 million to enable continued development of long endurance platforms to meet urgent operational demands from Combatant Commanders
 - Multi-Modal Threat Detection and Mitigation – \$7 million
 - Silicon Carbide Research – \$10 million
 - Thermal Management Technologies – \$7 million
 - Advanced Aerospace Composite Structures – \$8 million
- **Navy Research Activities** – Robust funding increase to support Navy research involving multiple projects such as:
 - Advanced Components for Shipbuilding Programs - \$15 million for Advanced Materials and Manufacturing for naval hovercraft applications; and \$8 million to

- develop new materials for submarine propulsor applications in support of requirements of the Future Submarine Force
- Long Duration Autonomous Hydrographic Survey – \$8 million to support the Navy’s efforts to develop and test an autonomous hydrographic survey capability on an existing large autonomous vessel at Naval Meteorology and Oceanography Command to address a worldwide hydrographic survey backlog
- Transformable Reliable Acoustic Path Systems (TRAPS) – \$15 million to support the effort to develop deployable sensors in deep ocean waters
- Interdisciplinary Expeditionary Cybersecurity Research – \$7.5 million
- **Defense-Wide Research Activities** - \$2.24 billion increase above the FY2019 enacted levels to support defense department research involving multiple projects, such as:
 - Remote Advise and Assist Technology Development – \$8 million
 - Open Source Intelligence – \$3 million
 - Coating Technologies – \$5 million
 - Advanced Manufacturing – \$10 million
- **National Guard Counter-Drug Schools** – \$25 million for the National Guard Counterdrug Schools. This is an important initiative for the Regional Counterdrug Training Academy (RCTA) at Naval Air Station Meridian. RCTA provides tuition-free counter-narcotics training to federal, state, and local law enforcement officers to combat the flow of narcotics into and within the United States.
- **RQ-4 Unmanned Aerial Systems** – \$25 million for the RQ-4 Global Hawk unmanned Aerial System, providing spares to sustain the fleet. This investment is vital in order to drive sensor availability, mission reliability, and increased support to the Combatant Commanders in the United States Air Force.
- **Special Operations Forces (SOF) Combatant Craft Systems** – \$8.1 million for additional boats to support current & future SOF mission requirements.
- **Defense Community Infrastructure Program** – \$50 million for a DoD grant program to assist state and local governments in addressing deficiencies in community infrastructure projects. Grants will support projects located outside of military installations but in support of military installations.
- **Military Personnel and Pay** – Increased funding for military personnel accounts, including additional resources to support a 3.1 percent military pay raise, and additional support for ROTC and JROTC programs.

Commerce, Justice, Science, and Related Agencies, 2020

- **Space Launch System (SLS)** – \$2.59 billion for the NASA SLS program. The engine testing for SLS will be conducted at the Stennis Space Center.
- **NASA Space Grant** – \$48 million for the Space Grant program that promotes long-term improvements in research capabilities of institutions, including the University of Mississippi.
- **National Oceanic and Atmospheric Administration (NOAA) High Performance Computing** – \$4.5 million increase for NOAA high performance computing. Mississippi State University is home to Orion, a newly installed NOAA high-performance computer, which will support environmental, weather, and climate modeling research, as well as university researchers and students working with NOAA, MSU, the Northern Gulf Institute, and other institutions.

- **Regional Geospatial Modeling** – \$8 million for NOAA Geospatial Modeling Grants program within Navigation, Observations, and Positioning. The University of Southern Mississippi (USM) partners with special expertise in geospatial modeling to allow for researchers and resource managers to develop models or geographic information systems using existing geodetic, coastal remote sensing data, and other physical data sets.
- **Coastal Mapping Center** – \$8.5 million, \$2 million increase, to support Joint Ocean and Coastal Mapping Centers. The USM Coastal Mapping Center seeks to build upon core expertise in mapping research and education such as data communication for unmanned underwater and unmanned airborne vehicles, and using datasets collected to provide linkage with NOAA National Ocean Service through an integrated ocean and coastal mapping strategy.
- **National Oceanographic Partnership Program** – \$5 million to advance ocean science research through the National Oceanographic Partnership Program, allowing universities, such as USM, to research and develop projects like the testing of new autonomous systems and training NOAA, Navy, and Department of Homeland Security on autonomous systems protocol.
- **National Sea Grant College Program** – \$74 million, \$6 million above FY2019, including language that directs NOAA to continue STEM-related education activities and its National Sea Grant Law Center partnership at the University of Mississippi.
- **Aquaculture Research** – \$5.0 million to support oyster aquaculture research; \$15.25 million for marine aquaculture research, \$250,000 above FY2019; and \$13 million to support marine aquaculture research and development in partnership with universities, including with Historically Black Colleges and Universities, \$1 million above FY2019.
- **Northern Gulf Institute (NGI)** – Provides sufficient funding for NOAA Laboratories and Cooperative Institutes, which includes the Mississippi State University-led NGI housed at Stennis Space Center. NGI also includes the USM, Louisiana State University, Florida State University, Dauphin Island Sea Lab and NOAA.
- **U.S. Department of Justice/Law Enforcement** – Makes investments in federal, state, and local law enforcement agencies, including \$547 million for the Byrne Memorial Justice Assistance Grants program, \$80 million for Drug Courts, and \$38 million for Regional Information Sharing Activities. Includes language that supports the Federal Bureau of Investigation’s Operational Medicine Program partnership with the University of Mississippi Medical Center. It also maintains current law gun-related issues and rejects poison pill riders that would infringe on Americans’ Second Amendment rights.

Financial Services and General Government, 2020

- **Community Development Financial Institution (CDFI) Fund** – \$262 million for CDFI, a program that is used by financial institutions in Mississippi to benefit distressed communities.
- **Rural Broadband** – Language to maintain sufficient support and certainty for wireless providers through the Federal Communications Commission (FCC) Universal Service Fund (USF).

Homeland Security, 2020

- **U.S. Coast Guard National Security Cutter** – \$100.5 million increase for long lead time materials on a 12th National Security Cutter (NSC). The NSC is the most effective and technologically advanced ship in the Coast Guard fleet, tasked with carrying out complex law enforcement, drug interdiction, defense, and national security missions.
- **U.S. Coast Guard Polar Security Cutter** – \$135 million to support the recapitalization of the Coast Guard polar icebreaker fleet. This funding provides long lead time materials for the 2nd Polar Security Cutter (PSC). The new PSCs will ensure continued access to the Arctic and Antarctic regions and support U.S. economic, commercial, maritime, and national security needs.
- **U.S. Coast Guard Maritime Security Response Teams (MSRT) Vessels** – \$10.8 million for four combatant craft vessels for the Coast Guard MSRT, which are tactical units with a highly technical mission set including maritime interdiction, hostage rescue, and counter terrorism.
- **Customs and Border Protection (CBP) Light Enforcement Helicopter** – \$32.5 million to recapitalize the CBP Light Enforcement Helicopter (LEH) fleet. CBP deploys LEH aircraft for border surveillance and law enforcement missions.
- **Enabling Unmanned Aerial Systems (UAS)** – \$4 million for UAS research and testing in support of Department of Homeland Security (DHS) missions, including border security, maritime security, and counter-UAS operations. The demonstration and testing of UAS involves several Mississippi sites including: Camp Shelby, which is the Army National Guard's national UAS training center; buffer zone areas at the Stennis Space Center; and maritime environment accessible from U.S. Coast Guard facilities on Singing River Island.
- **Unmanned Maritime Systems Evaluation** – \$8 million for research, development, and testing of existing unmanned, self-powered maritime sensor platforms capable of detecting surface and subsurface threats.
- **Soft Targets and Crowded Places** – \$2 million for research and development to identify novel ways to develop and transition to operational use affordable and scalable technologies that are capable of detecting, screening, and providing counter measures to terrorist threats in key public accessible areas.
- **First Responder Emergency Medical Communications** – \$2 million to continue projects aiding in the development of the National Emergency Communications Plan (NECP) and demonstration of emergency medical communications in rural areas.
- **Partnership to Improve the Nation's Levee Systems** – \$5 million to be used for an Education Partnership Agreement to develop capabilities for maintaining and improving the integrity of levee and dams systems.