

**CARTWRIGHT #1
Commerce, Justice, Science
& Related Agencies**

HOUSE APPROPRIATIONS COMMITTEE

June 28, 2022

Fiscal Year 2023 Commerce, Justice, Science,
and Related Agencies Appropriations Bill

**MANAGER'S AMENDMENT
OFFERED BY MR. CARTWRIGHT OF PENNSYLVANIA**

In the BILL:

On page 7, line 19, strike "\$70,000,000" and insert "\$73,000,000"

On page 21, line 1, strike "\$50,000,000" and insert "\$44,000,000"

On page 73, line 25, strike "\$540,927,000" and insert "\$543,927,000"

On page 75, line 19, strike "\$12,000,000" and insert "\$15,000,000"

In the REPORT:

On page 37, after the paragraph entitled "South Atlantic Reef Fish", insert the following new paragraph:

"The Committee recognizes concerns by the State of Florida regarding the economic implications of possible area closures currently under consideration for the South Atlantic snapper-grouper recreational fishery. The Committee notes its \$5,100,000 investment in independent survey data over the last three fiscal years, including \$3,300,000 for the South Atlantic Great Red Snapper Count, along with language encouraging NMFS to incorporate this data into the agency's own stock assessments as expeditiously as possible to better inform fishery management decisions. The Committee continues to support full integration of the South Atlantic Great Red Snapper Count data into the next stock assessment so that the South Atlantic Fishery Management Council can appropriately use this new abundance data when making management decisions regarding red snapper."

On page 41, strike the paragraph entitled “VORTEX-USA.” and insert the following:

“*VORTEX-USA*.—The recommendation includes an increase of no less than \$4,000,000 above the fiscal year 2022 level for the VORTEX-USA initiative to improve understanding of tornadoes, provide more accurate forecasts, and increase the lead times of tornado warnings. Of these funds, no less than \$10,000,000 is provided for the continuation and expansion of the VORTEX-SE portion of the broader VORTEX-USA initiative.”

On page 45, in the paragraph entitled “National Mesonet Program.” after the sentence ending with “and other data sparse areas.”, insert “NOAA is directed to report to the Committee within 120 days of enactment of this Act on the geographical distribution and use of the increased funds.”

Page 63, after the paragraph entitled “Diversity in DOJ Hiring”, insert the following:

“*Liability Claims*.—The Committee is aware of concerns about accident victims with significant outstanding liability claims made against companies prior to company bankruptcies that were not addressed under the terms of bankruptcy restructuring settlements. The Department is directed to report, not later than 90 days after the date of enactment of this Act, on steps that the Department could take to help such plaintiffs gain access to legal remedies for claims made prior to bankruptcy restructurings.”

On page 73, at the end of the first paragraph, before the period, add:

“, and to minimize impacts on due process and civil rights of pre-trial defendants”

On page 90, in the paragraph entitled “Domestic Violence Resources.” at the end of the last sentence after the word “victims”, strike the period and include the following “, including as authorized by the Abby Honold Act (Public Law 117-103).”

On page 104, in row 6 of the table, strike “Inspirate” and insert “Inspira”.

On page 120 of the report, strike the paragraph entitled “Robotically Assembled Earth Science Platform” and replace it with the following:

*“Robotically Assembled Earth Science Platform.—*The Committee directs NASA to report, not later than 180 days after enactment of this Act, on the feasibility of partnering with industry to develop and demonstrate a prototype on-orbit robotically assembled Earth Science Platform that utilizes robotic assembly and on-orbit structure manufacturing technologies derived from the OSAM–2 SBIR Phase III effort. The report should outline any funding needed to support this effort in fiscal year 2023 and future funding needs associated with this potential demonstration.”

On page 127, in the paragraph entitled “Nuclear Thermal Propulsion” strike the first sentence and insert the following:

“The Committee provides \$110,000,000, equal to the fiscal year 2022 level and \$95,000,000 more than the request, for the development of a nuclear thermal propulsion system capable of specific impulse of 900 per second or greater, of which not less than \$80,000,000 is for the design of test articles that will enable a flight demonstration.”

On page 128, following the paragraph entitled “Leveraging Technologies for Moon to Mars (M2M)” insert the following:

*“Additive Manufacturing.—*The Committee directs NASA, using funds provided within Space Technology, to continue additive manufacturing efforts, including freeform additive manufacturing of high-performance materials. NASA is further directed to evaluate freeform additive manufacturing of high-performance materials in space and to develop, in consultation with industry, processes by which additively manufactured products can be validated or certified utilizing data analysis or other non-destructive testing means.”

On page 129, following the paragraph entitled “Human Landing System (HLS)” insert the following:

*“Human Exploration Programs.—*The Committee directs GAO to continue its review of NASA’s human exploration programs, specifically the SLS program, the Orion program, and Exploration Ground Systems, to include the mobile launch platforms, and the Human Landing Systems program, and to include integration and software development issues that cut across these programs. In addition, the Committee directs GAO to review NASA’s lunar-focused programs, including the Gateway program and other programs or projects that are expected to have an estimated life-cycle cost over \$250,000,000, as part of GAO’s semiannual assessment of NASA major projects.”

On page 135, strike the third full paragraph and insert the following:

*“Trustworthy Algorithmic Research.—*The Committee urges NSF to increase support for research into the safety and ethical effects of content moderation and recommendation algorithms that will advance new technical methods to reduce the likelihood of unexpected negative effects from these algorithms. The Foundation shall further consider using the special authority provided under Section 5401 (f) of the National Artificial Intelligence Initiative Act, Public Law 116-283, to carry out this research. No later than 180 days after the enactment of this Act, NSF shall provide the Committee with a report on its efforts to prioritize such research.”

On page 136, in the paragraph entitled “Astronomy”, strike “National Optical Astronomy Observatories” and insert “National Optical-Infrared Astronomy Research Laboratory”.

On page 148, immediately following the paragraph entitled “Power Dynamics in the Research Community.” insert the following:

*“Open Source Research Risks.—*The Committee is concerned that certain open source research capabilities at NSF could be used by adversaries against U.S. allies or U.S. interests. The Committee therefore directs the NSF to collaborate with the Secretary of Defense and the Director of National Intelligence to compile and maintain a list of all NSF-funded open source research capabilities that are known or suspected to have an impact on foreign military operations. Such list shall be reviewed and updated at least annually by the NSF in collaboration with the Secretary of Defense and the Director of National Intelligence, and subsequently shall be reported to the Committee.”

On page 152, in row 12 of the table, strike the second instance of “Hawaii” and insert “HI”

On page 155, in row 8 of the table, strike “CA” and insert “FL”

On page 162, in row 5 of the table, strike “CA” and insert “FL”

On page 164, in row 7 of the table, strike “MI, MI” and insert “MI”

On page 167, in row 10 of the table, strike “CA” and insert “NC”

On page 168, in row 10 of the table, strike "CA" and insert "AZ"

On page 169, in row 3 of the table, strike "Inspirate" and insert "Inspira".