

HR 1715

Advanced Weather Model Computing Development Act

Congress: 118 (2023–2025, Ended)

Chamber: House

Policy Area: Science, Technology, Communications

Introduced: Mar 22, 2023

Current Status: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transp

Latest Action: Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation. (May 10, 2023)

Official Text: <https://www.congress.gov/bill/118th-congress/house-bill/1715>

Sponsor

Name: Rep. Miller, Max L. [R-OH-7]

Party: Republican • **State:** OH • **Chamber:** House

Cosponsors (7 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Ross, Deborah K. [D-NC-2]	D · NC		Mar 22, 2023
Rep. Jackson, Jeff [D-NC-14]	D · NC		Mar 29, 2023
Rep. Lee, Summer L. [D-PA-12]	D · PA		Apr 6, 2023
Rep. Tenney, Claudia [R-NY-24]	R · NY		Apr 26, 2023
Rep. Williams, Brandon [R-NY-22]	R · NY		Apr 26, 2023
Rep. Caraveo, Yadira [D-CO-8]	D · CO		Apr 27, 2023
Rep. Foushee, Valerie P. [D-NC-4]	D · NC		Apr 27, 2023

Committee Activity

Committee	Chamber	Activity	Date
Commerce, Science, and Transportation Committee	Senate	Referred To	May 10, 2023
Science, Space, and Technology Committee	House	Reported By	May 5, 2023

Subjects & Policy Tags

Policy Area:

Science, Technology, Communications

Related Bills

No related bills are listed.

Advanced Weather Model Computing Development Act

This bill requires the Department of Energy (DOE) and the National Oceanic and Atmospheric Administration (NOAA) to carry out research on advancing weather and climate modeling and prediction.

DOE and NOAA must jointly carry out research on using artificial intelligence and high-performance computing for climate modeling and weather prediction. Research activities may include (1) developing new methods for modeling and simulation, machine learning, and predictive data analysis; and (2) facilitating data sharing between federal agencies, institutions of higher education, and other organizations.

Additionally, NOAA must carry out an initiative to conduct proof-of-concept scenarios by comparing forecasts generated by advanced forecasting models with those generated by current models. As part of the initiative, NOAA may share innovations in the modeling system and applications through community-based activities and leverage climate and weather data and efforts of other federal agencies. NOAA must collaborate with DOE on the initiative.

The research required by the bill must meet security and integrity requirements that apply to certain research activities of the National Science Foundation.

Actions Timeline

- **May 10, 2023:** Received in the Senate and Read twice and referred to the Committee on Commerce, Science, and Transportation.
- **May 9, 2023:** Mr. Miller (OH) moved to suspend the rules and pass the bill.
- **May 9, 2023:** Considered under suspension of the rules. (consideration: CR H2147-2149)
- **May 9, 2023:** DEBATE - The House proceeded with forty minutes of debate on H.R. 1715.
- **May 9, 2023:** At the conclusion of debate, the Yeas and Nays were demanded and ordered. Pursuant to the provisions of clause 8, rule XX, the Chair announced that further proceedings on the motion would be postponed.
- **May 9, 2023:** Considered as unfinished business. (consideration: CR H2152-2153)
- **May 9, 2023:** Passed/agreed to in House: On motion to suspend the rules and pass the bill Agreed to by the Yeas and Nays: (2/3 required): 356 - 50 (Roll no. 204). (text: CR H2147-2148)
- **May 9, 2023:** On motion to suspend the rules and pass the bill Agreed to by the Yeas and Nays: (2/3 required): 356 - 50 (Roll no. 204). (text: CR H2147-2148)
- **May 9, 2023:** Motion to reconsider laid on the table Agreed to without objection.
- **May 5, 2023:** Reported by the Committee on Science, Space, and Technology. H. Rept. 118-49.
- **May 5, 2023:** Placed on the Union Calendar, Calendar No. 33.
- **Mar 29, 2023:** Committee Consideration and Mark-up Session Held.
- **Mar 29, 2023:** Ordered to be Reported by the Yeas and Nays: 36 - 0.
- **Mar 22, 2023:** Introduced in House
- **Mar 22, 2023:** Referred to the House Committee on Science, Space, and Technology.