

## HR 3593

Department of Energy Science for the Future Act

**Congress:** 117 (2021–2023, Ended)

**Chamber:** House

**Policy Area:** Science, Technology, Communications

**Introduced:** May 28, 2021

**Current Status:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.

**Latest Action:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.  
(Jul 12, 2021)

**Official Text:** <https://www.congress.gov/bill/117th-congress/house-bill/3593>

### Sponsor

**Name:** Rep. Johnson, Eddie Bernice [D-TX-30]

**Party:** Democratic • **State:** TX • **Chamber:** House

## Cosponsors (39 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Bowman, Jamaal [D-NY-16]	D · NY		May 28, 2021
Rep. Lucas, Frank D. [R-OK-3]	R · OK		May 28, 2021
Rep. Weber, Randy K., Sr. [R-TX-14]	R · TX		May 28, 2021
Del. San Nicolas, Michael F. Q. [D-GU-At Large]	D · GU		Jun 28, 2021
Rep. Babin, Brian [R-TX-36]	R · TX		Jun 28, 2021
Rep. Baird, James R. [R-IN-4]	R · IN		Jun 28, 2021
Rep. Bera, Ami [D-CA-7]	D · CA		Jun 28, 2021
Rep. Beyer, Donald S., Jr. [D-VA-8]	D · VA		Jun 28, 2021
Rep. Bice, Stephanie I. [R-OK-5]	R · OK		Jun 28, 2021
Rep. Bonamici, Suzanne [D-OR-1]	D · OR		Jun 28, 2021
Rep. Crist, Charlie [D-FL-13]	D · FL		Jun 28, 2021
Rep. Feenstra, Randy [R-IA-4]	R · IA		Jun 28, 2021
Rep. Fletcher, Lizzie [D-TX-7]	D · TX		Jun 28, 2021
Rep. Foster, Bill [D-IL-11]	D · IL		Jun 28, 2021
Rep. Gimenez, Carlos A. [R-FL-26]	R · FL		Jun 28, 2021
Rep. Gonzalez, Anthony [R-OH-16]	R · OH		Jun 28, 2021
Rep. Grijalva, Raúl M. [D-AZ-3]	D · AZ		Jun 28, 2021
Rep. Kildee, Daniel T. [D-MI-5]	D · MI		Jun 28, 2021
Rep. Kim, Young [R-CA-39]	R · CA		Jun 28, 2021
Rep. Lamb, Conor [D-PA-17]	D · PA		Jun 28, 2021
Rep. LaTurner, Jake [R-KS-2]	R · KS		Jun 28, 2021
Rep. Leger Fernandez, Teresa [D-NM-3]	D · NM		Jun 28, 2021
Rep. Lofgren, Zoe [D-CA-19]	D · CA		Jun 28, 2021
Rep. McNerney, Jerry [D-CA-9]	D · CA		Jun 28, 2021
Rep. Meijer, Peter [R-MI-3]	R · MI		Jun 28, 2021
Rep. Moore, Gwen [D-WI-4]	D · WI		Jun 28, 2021
Rep. Morelle, Joseph D. [D-NY-25]	D · NY		Jun 28, 2021
Rep. Norcross, Donald [D-NJ-1]	D · NJ		Jun 28, 2021
Rep. Obernolte, Jay [R-CA-8]	R · CA		Jun 28, 2021
Rep. Perlmutter, Ed [D-CO-7]	D · CO		Jun 28, 2021
Rep. Ross, Deborah K. [D-NC-2]	D · NC		Jun 28, 2021
Rep. Sherman, Brad [D-CA-30]	D · CA		Jun 28, 2021
Rep. Sherrill, Mikie [D-NJ-11]	D · NJ		Jun 28, 2021
Rep. Stansbury, Melanie Ann [D-NM-1]	D · NM		Jun 28, 2021
Rep. Stevens, Haley M. [D-MI-11]	D · MI		Jun 28, 2021
Rep. Tonko, Paul [D-NY-20]	D · NY		Jun 28, 2021
Rep. Waltz, Michael [R-FL-6]	R · FL		Jun 28, 2021
Rep. Wild, Susan [D-PA-7]	D · PA		Jun 28, 2021
Resident Commissioner González-Colón, Jenniffer [R-PR-At Large]	R · PR		Jun 28, 2021

## Committee Activity

Committee	Chamber	Activity	Date
Energy and Natural Resources Committee	Senate	Referred To	Jul 12, 2021
Science, Space, and Technology Committee	House	Reported By	Jun 28, 2021

## Subjects & Policy Tags

### Policy Area:

Science, Technology, Communications

## Related Bills

Bill	Relationship	Last Action
117 HR 4822	Related bill	<b>Jul 29, 2021:</b> Referred to the Subcommittee on Energy.

## **Department of Energy Science for the Future Act**

This bill supports specified research and development activities of the Department of Energy (DOE) Office of Science.

The bill establishes various programs, including

- a basic energy sciences research and development program;
- a program of research and development for the application of advanced computing practices to foundational and emerging research problems in chemistry and materials science;
- a web-based platform to develop and provide access to a database of computed information on known and predicted materials properties and computational tools to accelerate breakthroughs in materials discovery and design;
- a biological systems science and climate and environmental science research and development program;
- research and development activities in biomolecular characterization and imaging science;
- earth and environmental systems science research;
- a coastal zone research initiative;
- an initiative focused on the development of engineered ecosystems;
- a program to implement a strategy for achieving computing systems with capabilities beyond exascale computing systems;
- a program of fundamental research and development of energy efficient computing and data center technologies relevant to advanced computing applications;
- a Quantum User Expansion for Science and Technology program or QUEST program;
- a collaborative research and development program of fusion energy technologies;
- a research program in elementary particle physics and advanced technology research and development to improve the understanding of the fundamental properties of the universe, including constituents of matter and energy and the nature of space and time;
- research activities on the nature of the primary contents of the universe, including the nature of dark energy and dark matter;
- a research program to discover and understand various forms of nuclear matter;
- a program across the DOE for the production of isotopes, including the development of techniques to produce isotopes, that the DOE determines are needed for research, medical, industrial, or related purposes;
- a midscale instrumentation program to enable the development and acquisition of novel, state-of-the-art instruments ranging in cost from \$1 million to \$20 million each that would significantly accelerate scientific breakthroughs at user facilities; and
- a high intensity laser research initiative.

The DOE Office of Science shall continue to leverage U.S. participation in the Large Hadron Collider and prioritize expanding international partnerships and investments in the Long-Baseline Neutrino Facility and Deep Underground Neutrino Experiment.

DOE shall support construction of a Facility for Rare Isotope Beams to advance the understanding of rare nuclear isotopes and the evolution of the cosmos.

DOE shall expand opportunities to increase the number, diversity, equity, and inclusion of highly skilled science,

technology, engineering, and mathematics (STEM) professionals working in DOE mission-relevant disciplines and broaden the recruitment pool to increase diversity, including expanded partnerships with Historically Black Colleges, Tribal Colleges, Minority Serving Institutions, emerging research institutions, and scientific societies.

DOE shall establish within the DOE Office of Science, a cross-cutting research initiative to leverage the federal government's innovative analytical resources and tools, user facilities, and advanced computational and networking capabilities in order to prevent, prepare for, and respond to emerging infectious diseases, including COVID-19.

DOE may not carry out gain-of-function research of concern.

## **Actions Timeline**

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- **Jul 12, 2021:** Received in the Senate and Read twice and referred to the Committee on Energy and Natural Resources.
- **Jun 28, 2021:** Reported (Amended) by the Committee on Science, Space, and Technology. H. Rept. 117-72.
- **Jun 28, 2021:** Placed on the Union Calendar, Calendar No. 50.
- **Jun 28, 2021:** Ms. Johnson (TX) moved to suspend the rules and pass the bill, as amended.
- **Jun 28, 2021:** Considered under suspension of the rules. (consideration: CR H3206-3220)
- **Jun 28, 2021:** DEBATE - The House proceeded with forty minutes of debate on H.R. 3593.
- **Jun 28, 2021:** 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.
- **Jun 28, 2021:** Considered as unfinished business. (consideration: CR H3223-3224)
- **Jun 28, 2021:** Passed/agreed to in House: On motion to suspend the rules and pass the bill, as amended Agreed to by the Yeas and Nays: (2/3 required): 351 - 68 (Roll no. 187). (text: CR H3206-3218)
- **Jun 28, 2021:** On motion to suspend the rules and pass the bill, as amended Agreed to by the Yeas and Nays: (2/3 required): 351 - 68 (Roll no. 187). (text: CR H3206-3218)
- **Jun 28, 2021:** Motion to reconsider laid on the table Agreed to without objection.
- **Jun 15, 2021:** Committee Consideration and Mark-up Session Held.
- **Jun 15, 2021:** Ordered to be Reported (Amended) by Voice Vote.
- **May 28, 2021:** Introduced in House
- **May 28, 2021:** Referred to the House Committee on Science, Space, and Technology.