

HR 3284

Next Generation Computing Research and Development Act of 2021

Congress: 117 (2021–2023, Ended)

Chamber: House

Policy Area: Science, Technology, Communications

Introduced: May 17, 2021

Current Status: Referred to the House Committee on Science, Space, and Technology.

Latest Action: Referred to the House Committee on Science, Space, and Technology. (May 17, 2021)

Official Text: <https://www.congress.gov/bill/117th-congress/house-bill/3284>

Sponsor

Name: Rep. Obernolte, Jay [R-CA-8]

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

Cosponsors (1 total)

Cosponsor	Party / State	Role	Date Joined
Rep. Lucas, Frank D. [R-OK-3]	R · OK		May 17, 2021

Committee Activity

Committee	Chamber	Activity	Date
Science, Space, and Technology Committee	House	Referred to	May 17, 2021

Subjects & Policy Tags

Policy Area:

Science, Technology, Communications

Related Bills

No related bills are listed.

Next Generation Computing Research and Development Act of 2021

This bill provides for the support of advanced scientific computing programs and activities at the Department of Energy (DOE).

The DOE Office of Science shall carry out a research and development program to advance computational and networking capabilities to analyze and predict complex phenomena relevant to the development of new energy technologies and U.S. competitiveness.

DOE shall

- establish a program to implement a strategy for achieving computing systems with capabilities beyond exascale computing systems;
- support a program of fundamental research and development of energy efficient computing technologies relevant to advanced computing applications in high performance computing, artificial intelligence, and scientific machine learning; and
- provide for an upgrade to the Energy Sciences Network user facility in order to meet federal research needs for highly reliable data transport capabilities optimized for the requirements of large-scale science.

The DOE Office of Advanced Scientific Computing Research shall support the development of a computational science workforce.

The DOE Office of Science shall maintain a balanced portfolio within the advanced scientific computing research and development program that supports robust investment in

- applied mathematical, computational, and computer sciences research needs relevant to DOE's mission; and
- associated high-performance computing hardware and facilities.

Actions Timeline

- **May 17, 2021:** Introduced in House
- **May 17, 2021:** Referred to the Subcommittee on Energy.
- **May 17, 2021:** Referred to the House Committee on Science, Space, and Technology.