S 3459

Department of Energy High-End Computing Improvement Act of 2012

Congress: 112 (2011–2013, Ended)
Chamber: Senate
Policy Area: Energy
Introduced: Jul 31, 2012
Current Status: Read twice and referred to the Committee on Energy and Natural Resources. (text of measure as introd
Latest Action: Read twice and referred to the Committee on Energy and Natural Resources. (text of measure as introduced: CR S5734-5735) (Jul 31, 2012)
Official Text: https://www.congress.gov/bill/112th-congress/senate-bill/3459

Sponsor

Name: Sen. Bingaman, Jeff [D-NM]
Party: Democratic • **State:** NM • **Chamber:** Senate

Cosponsors (4 total)

Cosponsor	Party / State	Role	Date Joined
Sen. Alexander, Lamar [R-TN]	R · TN		Jul 31, 2012
Sen. Durbin, Richard J. [D-IL]	D · IL		Jul 31, 2012
Sen. Coons, Christopher A. [D-DE]	D · DE		Sep 12, 2012
Sen. Wyden, Ron [D-OR]	D · OR		Sep 12, 2012

Committee Activity

Committee	Chamber	Activity	Date
Energy and Natural Resources Committee	Senate	Referred To	Jul 31, 2012

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

Bill	Relationship	Last Action
112 HR 6454	Related bill	**Oct 10, 2012:** Referred to the Subcommittee on Energy and Environment.

Summary (as of Jul 31, 2012)

Department of Energy High-End Computing Improvement Act of 2012 - Renames the Department of Energy High-End Computing Revitalization Act of 2004 as the Department of Energy High-End Computing Act of 2012.

Defines "exascale computing" as computing through the use of a computing machine that performs near or above 10 to the 18th power floating point operations per second.

Directs the Secretary of Energy (DOE) to: (1) conduct a research program to develop exascale computing machines to promote DOE missions; (2) coordinate the development of such machines across all applicable DOE agencies; and (3) implement the program through an integration of application, computer science, and computer hardware architecture using public-private partnerships to ensure that exascale computing machines are capable of solving DOE target applications and scientific problems.

Authorizes appropriations for FY2013-FY2015.

Actions Timeline

- **Jul 31, 2012:** Introduced in Senate
- **Jul 31, 2012:** Sponsor introductory remarks on measure. (CR S5734)
- **Jul 31, 2012:** Read twice and referred to the Committee on Energy and Natural Resources. (text of measure as introduced: CR S5734-5735)