

S 733

ExaSCALE Computing Leadership Act of 2013

Congress: 113 (2013–2015, Ended)

Chamber: Senate

Policy Area: Energy

Introduced: Apr 16, 2013

Current Status: Read twice and referred to the Committee on Energy and Natural Resources.

Latest Action: Read twice and referred to the Committee on Energy and Natural Resources. (Apr 16, 2013)

Official Text: <https://www.congress.gov/bill/113th-congress/senate-bill/733>

Sponsor

Name: Sen. Alexander, Lamar [R-TN]

Party: Republican • **State:** TN • **Chamber:** Senate

Cosponsors (11 total)

Cosponsor	Party / State	Role	Date Joined
Sen. Coons, Christopher A. [D-DE]	D · DE		Apr 16, 2013
Sen. Durbin, Richard J. [D-IL]	D · IL		Apr 16, 2013
Sen. Heinrich, Martin [D-NM]	D · NM		Apr 16, 2013
Sen. Kirk, Mark Steven [R-IL]	R · IL		Apr 16, 2013
Sen. Murkowski, Lisa [R-AK]	R · AK		Apr 16, 2013
Sen. Udall, Tom [D-NM]	D · NM		Apr 16, 2013
Sen. Wyden, Ron [D-OR]	D · OR		Apr 16, 2013
Sen. Gillibrand, Kirsten E. [D-NY]	D · NY		Apr 18, 2013
Sen. Sanders, Bernard [I-VT]	I · VT		Apr 22, 2013
Sen. Hagan, Kay R. [D-NC]	D · NC		Apr 24, 2013
Sen. Baldwin, Tammy [D-WI]	D · WI		Dec 19, 2013

Committee Activity

Committee	Chamber	Activity	Date
Energy and Natural Resources Committee	Senate	Referred To	Apr 16, 2013

Subjects & Policy Tags

Policy Area:

Energy

Related Bills

No related bills are listed.

Summary (as of Apr 16, 2013)

Exascale Computing for Science, Competitiveness, Advanced Manufacturing, Leadership, and the Economy Act of 2013 or ExaSCALE Computing Leadership Act of 2013 - Renames the Department of Energy High-End Computing Revitalization Act of 2004 as the Exascale Computing for Science, Competitiveness, Advanced Manufacturing, Leadership, and the Economy Act of 2013.

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) establish national laboratory-industry partnerships for the research and development of exascale computing machines across all applicable DOE agencies; (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; and (4) use existing funds to carry out the program.

Authorizes appropriations for FY2014-FY2016.

Actions Timeline

- **Apr 16, 2013:** Introduced in Senate
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