

Stewart	Turner	Watson Coleman
Stivers	Van Hollen	Webster (FL)
Swalwell (CA)	Vargas	Welch
Takai	Veasey	Whitfield
Takano	Vela	Wilson (FL)
Thompson (CA)	Velázquez	Womack
Thompson (MS)	Visclosky	Yarmuth
Thompson (PA)	Walden	Yoho
Thornberry	Walz	Young (AK)
Titus	Wasserman	
Tonko	Schultz	
Torres	Waters, Maxine	

NOT VOTING—10

Brady (PA)	Fattah	Sanchez, Loretta
Capps	Meeks	Tsongas
Chaffetz	Mica	
Donovan	Moore	

ANNOUNCEMENT BY THE ACTING CHAIR

The Acting CHAIR (during the vote).
There is 1 minute remaining.

□ 1707

Mr. GARAMENDI changed his vote from “aye” to “no.”

So the amendment was rejected.

The result of the vote was announced as above recorded.

Stated for:

Mr. MICA. Mr. Chair, on rollcall No. 246 my voting card did not record and if it had recorded, it would be a “yes.” I would have recorded my vote as “yes.”

The Acting CHAIR (Mr. RODNEY DAVIS of Illinois). There being no further amendments, under the rule, the Committee rises.

Accordingly, the Committee rose; and the Speaker pro tempore (Mr. HULTGREN) having assumed the chair, Mr. RODNEY DAVIS of Illinois, Acting Chair of the Committee of the Whole House on the state of the Union, reported that that Committee, having had under consideration the bill (H.R. 2250) making appropriations for the Legislative Branch for the fiscal year ending September 30, 2016, and for other purposes, and, pursuant to House Resolution 271, he reported the bill back to the House with sundry amendments adopted in the Committee of the Whole.

The SPEAKER pro tempore. Under the rule, the previous question is ordered.

Is a separate vote demanded on any amendment reported from the Committee of the Whole? If not, the Chair will put them en gros.

The amendments were agreed to.

The SPEAKER pro tempore. The question is on the engrossment and third reading of the bill.

The bill was ordered to be engrossed and read a third time, and was read the third time.

The SPEAKER pro tempore. The question is on the passage of the bill.

Pursuant to clause 10 of rule XX, the yeas and nays are ordered.

Pursuant to clause 8 of rule XX and the order of the House of today, this 5-minute vote on passage of H.R. 2250 will be followed by 5-minute votes on the motion to recommit on H.R. 2353, and passage of H.R. 2353, if ordered.

The vote was taken by electronic device, and there were—yeas 357, nays 67, not voting 8, as follows:

[Roll No. 247]

YEAS—357

Abraham	Fitzpatrick	Luetkemeyer
Adams	Fleischmann	Lujan Grisham
Aderholt	Fleming	(NM)
Aguilar	Flores	Luján, Ben Ray
Allen	Forbes	(NM)
Amodei	Fortenberry	Lummis
Ashford	Foster	Lynch
Babin	Fox	MacArthur
Barletta	Frankel (FL)	Maloney
Barr	Frelinghuysen	Carolyn
Barton	Fudge	Maloney, Sean
Beatty	Gabbard	Marchant
Becerra	Gallego	Marino
Benishek	Garamendi	Matsui
Bera	Garrett	McCarthy
Beyer	Gibbs	McCaul
Bilirakis	Gibson	McClintock
Bishop (GA)	Gohmert	McCollum
Bishop (MI)	Goodlatte	McHenry
Bishop (UT)	Gosar	McKinley
Black	Gowdy	McMorris
Blackburn	Graham	Rodgers
Blum	Granger	McNerney
Bonamici	Graves (GA)	McSally
Bost	Graves (LA)	Meadows
Boustany	Graves (MO)	Meehan
Brady (TX)	Grayson	Messer
Brat	Griffith	Mica
Bridenstine	Grothman	Miller (FL)
Brooks (IN)	Guinta	Miller (MI)
Brownley (CA)	Guthrie	Moolenaar
Buchanan	Gutiérrez	Mooney (WV)
Buck	Hahn	Mullin
Bucshon	Hanna	Mulvaney
Burgess	Hardy	Murphy (FL)
Bustos	Harper	Murphy (PA)
Butterfield	Harris	Nadler
Byrne	Hartzer	Neugebauer
Calvert	Heck (NV)	Newhouse
Carney	Heck (WA)	Noem
Carson (IN)	Hensarling	Nolan
Carter (GA)	Herrera Beutler	Norcross
Carter (TX)	Hice, Jody B.	Nugent
Cartwright	Higgins	Nunes
Castor (FL)	Hill	O'Rourke
Castro (TX)	Himes	Olson
Chabot	Hinojosa	Palazzo
Chu, Judy	Holding	Pallone
Cicilline	Hudson	Palmer
Clawson (FL)	Huelskamp	Paulsen
Coffman	Huffman	Pearce
Cole	Huizenga (MI)	Perlmutter
Collins (GA)	Hultgren	Perry
Collins (NY)	Hunter	Peters
Comstock	Hurd (TX)	Peterson
Conaway	Hurt (VA)	Pingree
Connolly	Issa	Pittenger
Cook	Jenkins (KS)	Pitts
Cooper	Jenkins (WV)	Poe (TX)
Costa	Johnson (GA)	Poliquin
Costello (PA)	Johnson (OH)	Polis
Courtney	Johnson, Sam	Pompeo
Cramer	Jolly	Posey
Crawford	Jones	Price, Tom
Crenshaw	Jordan	Quigley
Crowley	Joyce	Rangel
Cuellar	Kaptur	Ratcliffe
Culberson	Katko	Reed
Curbelo (FL)	Kelly (IL)	Reichert
Davis (CA)	Kelly (PA)	Renacci
Davis, Danny	Kildee	Ribble
Davis, Rodney	Kilmer	Rice (SC)
DeFazio	King (IA)	Richmond
Delaney	King (NY)	Rigell
DeLauro	Kinzinger (IL)	Roby
DelBene	Kirkpatrick	Roe (TN)
Denham	Kline	Rogers (AL)
Dent	Knight	Rogers (KY)
DeSantis	Kuster	Rohrabacher
DeSaulnier	Labrador	Rokita
DesJarlais	LaMalfa	Rooney (FL)
Diaz-Balart	Lamborn	Ros-Lehtinen
Dingell	Lance	Roskam
Doggett	Langevin	Ross
Dold	Larsen (WA)	Rothfus
Duckworth	Latta	Rouzer
Duffy	Lawrence	Royce
Duncan (SC)	Lieu, Ted	Ruiz
Duncan (TN)	Lipinski	Ruppersberger
Edwards	LoBiondo	Rush
Ellison	Loeb	Russell
Elmiers (NC)	Long	Ryan (WI)
Emmer (MN)	Loudermillk	Salmon
Esty	Love	Sánchez, Linda
Farenthold	Lowenthal	T.
Fincher	Lucas	Sanford

Stewart	Stewarts	Walden
Stivers	Stutzman	Walker
Swalwell (CA)	Swalwell (CA)	Walorski
Takai	Takai	Walters, Mimi
Takano	Takano	Walz
Thompson (CA)	Thompson (CA)	Watson Coleman
Thompson (PA)	Thompson (PA)	Weber (TX)
Thornberry	Thornberry	Webster (FL)
Titus	Tiberi	Welch
Tonko	Tipton	Wenstrup
Torres	Titus	Westerman
	Torres	Westmoreland
	Trott	Whitfield
	Turner	Williams
	Upton	Wilson (SC)
	Valadao	Womack
	Van Hollen	Woodall
	Vargas	Yoder
	Veasey	Yoho
	Vela	Young (AK)
	Velázquez	Young (IA)
	Wagner	Young (IN)
	Walberg	Zeldin
		Zinke

NAYS—67

Amash	Franks (AZ)	Meng
Bass	Green, Al	Moulton
Blumenauer	Green, Gene	Napolitano
Boyle, Brendan	Grijalva	Neal
F.	Hastings	Pascarell
Brooks (AL)	Honda	Payne
Brown (FL)	Hoyer	Pelosi
Capuano	Israel	Pocan
Cárdenas	Jackson Lee	Price (NC)
Clark (MA)	Jeffries	Rice (NY)
Clarke (NY)	Johnson, E. B.	Roybal-Allard
Clay	Keating	Ryan (OH)
Cleaver	Kennedy	Schakowsky
Clyburn	Kind	Smith (WA)
Cohen	Larson (CT)	Thompson (MS)
Conyers	Lee	Visclosky
Cummings	Levin	Wasserman
DeGette	Lewis	Schultz
Deutch	Lofgren	Waters, Maxine
Doyle, Michael	Lowey	Wilson (FL)
F.	Massie	Wittman
Engel	McDermott	Yarmuth
Eshoo	McGovern	
Farr	Meeks	

NOT VOTING—8

Brady (PA)	Donovan	Sanchez, Loretta
Capps	Fattah	Tsongas
Chaffetz	Moore	

□ 1716

Mr. CUMMINGS changed his vote from “yea” to “nay.”

Mr. DOGGETT changed his vote from “nay” to “yea.”

So the bill was passed.

The result of the vote was announced as above recorded.

A motion to reconsider was laid on the table.

HIGHWAY AND TRANSPORTATION
FUNDING ACT OF 2015

The SPEAKER pro tempore. The unfinished business is the vote on the motion to recommit on the bill (H.R. 2353) to provide an extension of Federal-aid highway, highway safety, motor carrier safety, transit, and other programs funded out of the Highway Trust Fund, and for other purposes, offered by the gentlewoman from Connecticut (Ms. ESTY), on which the yeas and nays were ordered.

The Clerk will redesignate the motion.

The Clerk redesignated the motion.

The SPEAKER pro tempore. The question is on the motion to recommit.

This is a 5-minute vote.

The vote was taken by electronic device, and there were—yeas 182, nays 241, not voting 9, as follows:

[Roll No. 248]

YEAS—182

Adams Gabbard Napolitano
 Aguilar Gallego Neal
 Ashford Garamendi Nolan
 Bass Graham Norcross
 Beatty Grayson O'Rourke
 Becerra Green, Al Pallone
 Bera Green, Gene Pascarell
 Beyer Grijalva Payne
 Bishop (GA) Gutiérrez Pelosi
 Blumenauer Hahn Perlmutter
 Bonamici Hastings Peters
 Boyle, Brendan Heck (WA) Peterson
 F. Higgins Pingree
 Brown (FL) Himes Pocan
 Brownley (CA) Hinojosa Polis
 Bustos Honda Price (NC)
 Butterfield Hoyer Quigley
 Capuano Huffman Rangel
 Cárdenas Israel Rice (NY)
 Carney Jackson Lee Richmond
 Carson (IN) Jeffries Roybal-Allard
 Cartwright Johnson (GA) Ruiz
 Castor (FL) Johnson, E. B. Ruppersberger
 Castro (TX) Kaptur Rush
 Chu, Judy Keating Ryan (OH)
 Cicilline Kelly (IL) Sánchez, Linda
 Clark (MA) Kennedy T.
 Clarke (NY) Kildee Sarbanes
 Clay Kilmer Schakowsky
 Cleaver Kind Schiff
 Clyburn Kirkpatrick Schrader
 Cohen Kuster Scott (VA)
 Connolly Langevin Scott, David
 Conyers Larsen (WA) Serrano
 Cooper Larson (CT) Sewell (AL)
 Costa Lawrence Sherman
 Courtney Lee Sinema
 Crowley Levin Sires
 Cuellar Lewis Slaughter
 Cummings Lieu, Ted Smith (WA)
 Davis (CA) Lipinski Speier
 Davis, Danny Loeb sack Swalwell (CA)
 DeFazio Lofgren Takai
 DeGette Lowenthal Takano
 Delaney Lowey Thompson (CA)
 DeLauro Lujan Grisham Thompson (MS)
 DelBene (NM) Titus
 DeSaulnier Luján, Ben Ray Tonko
 Deutch (NM) Torres
 Dingell Lynch Van Hollen
 Doggett Maloney, Vargus
 Doyle, Michael Carolyn Veasey
 F. Maloney, Sean Vela
 Duckworth Matsui Velázquez
 Edwards McCollum Visclosky
 Ellison McDermott Walz
 Engel McGovern Wasserman
 Eshoo McMorris Schultz
 Esty Meeks Waters, Maxine
 Farr Meng Watson Coleman
 Foster Moulton Welch
 Frankel (FL) Murphy (FL) Wilson (FL)
 Fudge Nadler Yarmuth

NAYS—241

Abraham Chabot Flores
 Aderholt Clawson (FL) Forbes
 Allen Coffman Fortenberry
 Amash Cole Foss
 Amodei Collins (GA) Franks (AZ)
 Babin Collins (NY) Frelinghuysen
 Barletta Comstock Garrett
 Barr Conaway Gibbs
 Barton Cook Gibson
 Benishek Costello (PA) Gohmert
 Bilirakis Cramer Goodlatte
 Bishop (MI) Crawford Gosar
 Bishop (UT) Crenshaw Gowdy
 Black Culberson Granger
 Blackburn Curbelo (FL) Graves (GA)
 Blum Davis, Rodney Graves (LA)
 Bost Denham Graves (MO)
 Boustany Dent Griffith
 Brady (TX) DeSantis Grothman
 Brat DesJarlais Guinta
 Bridenstine Diaz-Balart Guthrie
 Brooks (AL) Dold Hanna
 Brooks (IN) Duncan (SC) Hardy
 Buchanan Duncan (TN) Harper
 Buck Ellmers (NC) Harris
 Bucshon Emmer (MN) Hartzler
 Burgess Farenthold Heck (NV)
 Byrne Fincher Hensarling
 Calvert Fitzpatrick Herrera Beutler
 Carter (GA) Fleischmann Hice, Jody B.
 Carter (TX) Fleming Hill

Holding Hudson
 Huelskamp Huelskamp
 Huizenga (MI) Miller (FL)
 Hultgren Miller (MI)
 Hunter Mooleenaar
 Hurd (TX) Mooney (WV)
 Hurt (VA) Mullin
 Issa Mulvaney
 Jenkins (KS) Neugebauer
 Jenkins (WV) Newhouse
 Johnson (OH) Noem
 Johnson, Sam Nugent
 Jolly Nunes
 Jones Olson
 Jordan Palazzo
 Joyce Palmer
 Katko Paulsen
 Kelly (PA) Pearce
 King (IA) Perry
 King (NY) Pittenger
 Kinzinger (IL) Pitts
 Kline Poe (TX)
 Knight Poliquin
 Labrador Pompeo
 LaMalfa Posey
 Lamborn Price, Tom
 Lance Ratcliffe
 Latta Reed
 LoBiondo Reichert
 Long Renacci
 Loudermilk Ribble
 Love Rice (SC)
 Lucas Rigell
 Luetkemeyer Roby
 Lummis Roe (TN)
 MacArthur Rogers (AL)
 Marchant Rogers (KY)
 Marino Rohrabacher
 Massie Rokita
 McCarthy Rooney (FL)
 McCaul Ros-Lehtinen
 McClintock Roskam
 McHenry Ross
 McKinley Rothfus
 McMorris Rouzer
 Rodgers Royce
 Russell
 Meadows Ryan (WI)
 Meehan Salmon

NOT VOTING—9

Brady (PA) Donovan
 Capps Duffy
 Chaffetz Fattah

□ 1723

Mr. ADERHOLT changed his vote from “yea” to “nay.”

So the motion to recommit was rejected.

The result of the vote was announced as above recorded.

The SPEAKER pro tempore. The question is on the passage of the bill.

The question was taken; and the Speaker pro tempore announced that the ayes appeared to have it.

RECORDED VOTE

Ms. HAHN. Mr. Speaker, I demand a recorded vote.

A recorded vote was ordered.

The SPEAKER pro tempore. This is a 5-minute vote.

The vote was taken by electronic device, and there were—ayes 387, noes 35, answered “present” 1, not voting 9, as follows:

[Roll No. 249]

AYES—387

Abraham Beatty Blumenauer
 Adams Benishek Bonamici
 Aderholt Bera Bost
 Aguilar Beyer Boustany
 Allen Bilirakis Boyle, Brendan
 Ashford Bishop (GA) F.
 Babin Bishop (MI) Brady (TX)
 Barletta Bishop (UT) Brat
 Barr Black Brooks (AL)
 Barton Blackburn Brooks (IN)
 Bass Blum Brown (FL)

Brownley (CA) Sanford
 Buchanan Scalise
 Buck Schweikert
 Bucshon Scott, Austin
 Burgess Sensenbrenner
 Bustos Sessions
 Butterfield Shimkus
 Byrne Shuster
 Calvert Simpson
 Capuano Smith (MO)
 Cárdenas Smith (NE)
 Carson (IN) Smith (NJ)
 Carter (GA) Smith (TX)
 Carter (TX) Stefanik
 Cartwright Stewart
 Castor (FL) Stivers
 Castro (TX) Stutzman
 Chabot Thompson (PA)
 Chu, Judy Thornberry
 Cicilline Tiberi
 Clark (MA) Tipton
 Clarke (NY) Trott
 Clay Turner
 Coffman Upton
 Cohen Valadao
 Cole Wagner
 Collins (GA) Walberg
 Collins (NY) Walden
 Comstock Walker
 Conaway Walorski
 Connolly Walters, Mimi
 Conyers Weber (TX)
 Cook Webster (FL)
 Cooper Wenstrup
 Costa Westerman
 Costello (PA) Westmoreland
 Cramer Whitfield
 Crawford Williams
 Crenshaw Wilson (SC)
 Cuellar Wittman
 Culberson Womack
 Cummings Woodall
 Curbelo (FL) Yoder
 Davis (CA) Yoho
 Davis, Danny Young (AK)
 Davis, Rodney Young (IA)
 DeFazio Young (IN)
 Delaney Zeldin
 DelBene Zinke
 Denham
 Dent
 DeSantis
 DesJarlais
 Deutch
 Diaz-Balart
 Dingell
 Doggett
 Dold
 Doyle, Michael
 F.
 Duckworth
 Duncan (TN)
 Edwards
 Ellison
 Ellmers (NC)
 Emmer (MN)
 Engel
 Eshoo
 Esty
 Farenthold
 Farr
 Fincher
 Fitzpatrick
 Fleischmann
 Fleming
 Flores
 Forbes
 Fortenberry
 Foster
 Foss
 Frankel (FL)
 Franks (AZ)
 Frelinghuysen
 Fudge
 Gabbard
 Gallego
 Garamendi
 Garrett
 Gibbs
 Gibson
 Gohmert
 Goodlatte
 Gosar
 Gowdy
 Graham
 Granger
 Graves (GA)
 Graves (LA)
 Graves (MO)
 Grayson
 Green, Al
 Green, Gene
 Griffith
 Grijalva
 Grothman
 Guinta
 McHenry
 Guthrie
 Gutiérrez
 Hahn
 Hanna
 Hardy
 Harper
 Harris
 Hartzler
 Heck (NV)
 Hensarling
 Herrera Beutler
 Hice, Jody B.
 Hill
 McCarthy
 McCaul
 McClintock
 McCollum
 McDermott
 McGovern
 McHenry
 McKinley
 McMorris
 McNeerney
 McSally
 Meadows
 Meehan
 Miller (FL)
 Miller (MI)
 Moolenaar
 Mooney (WV)
 Mullin
 Murphy (FL)
 Murphy (PA)
 Nadler
 Napolitano
 Neal
 Neugebauer
 Newhouse
 Noem
 Nolan
 Norcross
 Nugent
 Nunes
 O'Rourke
 Olson
 Palazzo
 Pallone
 Palmer
 Paulsen
 Payne
 Pearce
 Pelosi
 Perry
 Peters
 Peterson
 Pingree
 Pittenger
 Pitts
 Pocan
 Poe (TX)
 Poliquin
 Pompeo
 Posey
 Price (NC)
 Quigley
 Rangel
 Ratcliffe
 Reed
 Reichert
 Rigell
 Roby
 Roe (TN)
 Rogers (AL)
 Rogers (KY)
 Rohrabacher
 Rokita
 Rooney (FL)
 Ros-Lehtinen
 Ross
 Rothfus
 Rouzer
 Roybal-Allard
 Royce
 Ruiz
 Ruppersberger
 Rush
 Russell
 Ryan (OH)
 Ryan (WI)
 Sanford
 Sarbanes
 Scalise
 Schakowsky
 Schiff
 Schweikert
 Scott (VA)
 Scott, Austin
 Scott, David
 Serrano
 Sessions
 Sewell (AL)
 Sherman
 Shimkus
 Shuster
 Simpson
 Sinema

Sires
Slaughter
Smith (MO)
Smith (NE)
Smith (NJ)
Smith (TX)
Smith (WA)
Speier
Stefanik
Stewart
Stivers
Stutzman
Swalwell (CA)
Takai
Takano
Thompson (CA)
Thompson (MS)
Thompson (PA)
Thornberry
Tiberi
Tipton
Titus

NOES—35

Amash
Becerra
Bridenstine
Carney
Clawson (FL)
Cleaver
Clyburn
Courtney
Crowley
DeGette
DeLauro
DeSaulnier
Duffy
Duncan (SC)
Jordan
Kildee
Kind
Larson (CT)
Maloney, Sean
Moulton
Mulvaney
Pascarell
Perlmutter
Polis
Renacci
Ribble
Rice (NY)
Richmond
Roskam
Salmon
Sánchez, Linda
T.
Schradner
Sensenbrenner
Visclosky
Welch

ANSWERED "PRESENT"—1

Amodie

NOT VOTING—9

Brady (PA)
Capps
Chaffetz
Donovan
Fattah
Moore
Rice (SC)
Sanchez, Loretta
Tsongas

□ 1731

So the bill was passed.

The result of the vote was announced as above recorded.

A motion to reconsider was laid on the table.

PERSONAL EXPLANATION

Mrs. CAPPS. Mr. Speaker, I was not able to be present for the following rollcall votes on May 19, 2015 and would like the record to reflect that I would have voted as follows: rollcall No. 243: "no," rollcall No. 244: "yes," rollcall No. 245: "no," rollcall No. 246: "no," rollcall No. 247: "yes," rollcall No. 248: "yes," rollcall No. 249: "yes."

REMOVAL OF NAMES OF MEMBERS AS COSPONSORS OF H.R. 1909

Mr. CULBERSON. Mr. Speaker, I ask unanimous consent that the following Members be removed as cosponsors of the bill, H.R. 1909: Mr. FARENTHOLD of Texas, Mr. HENSARLING of Texas, Mr. HUELSKAMP of Kansas, and Mr. THORNBERY of Texas.

The SPEAKER pro tempore. Is there objection to the request of the gentleman from Texas?

There was no objection.

ANNOUNCEMENT BY THE SPEAKER PRO TEMPORE

The SPEAKER pro tempore. Pursuant to clause 8 of rule XX, the Chair will postpone further proceedings today on motions to suspend the rules on which a recorded vote or the yeas and nays are ordered, or on which the

vote incurs objection under clause 6 of rule XX.

Record votes on postponed questions will be taken later.

AMERICAN SUPER COMPUTING LEADERSHIP ACT

Mr. SMITH of Texas. Mr. Speaker, I move to suspend the rules and pass the bill (H.R. 874) to amend the Department of Energy High-End Computing Revitalization Act of 2004 to improve the high-end computing research and development program of the Department of Energy, and for other purposes.

The Clerk read the title of the bill.

The text of the bill is as follows:

H.R. 874

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the "American Super Computing Leadership Act".

SEC. 2. DEFINITIONS.

Section 2 of the Department of Energy High-End Computing Revitalization Act of 2004 (15 U.S.C. 5541) is amended by striking paragraphs (1) through (5) and inserting the following:

"(1) CO-DESIGN.—The term 'co-design' means the joint development of application algorithms, models, and codes with computer technology architectures and operating systems to maximize effective use of high-end computing systems.

"(2) DEPARTMENT.—The term 'Department' means the Department of Energy.

"(3) EXASCALE.—The term 'exascale' means computing system performance at or near 10 to the 18th power floating point operations per second.

"(4) HIGH-END COMPUTING SYSTEM.—The term 'high-end computing system' means a computing system with performance that substantially exceeds that of systems that are commonly available for advanced scientific and engineering applications.

"(5) INSTITUTION OF HIGHER EDUCATION.—The term 'institution of higher education' has the meaning given the term in section 2 of the Energy Policy Act of 2005 (42 U.S.C. 15801).

"(6) LEADERSHIP SYSTEM.—The term 'leadership system' means a high-end computing system that is among the most advanced in the world in terms of performance in solving scientific and engineering problems.

"(7) NATIONAL LABORATORY.—The term 'National Laboratory' means any one of the seventeen laboratories owned by the Department.

"(8) SECRETARY.—The term 'Secretary' means the Secretary of Energy.

"(9) SOFTWARE TECHNOLOGY.—The term 'software technology' includes optimal algorithms, programming environments, tools, languages, and operating systems for high-end computing systems."

SEC. 3. DEPARTMENT OF ENERGY HIGH-END COMPUTING RESEARCH AND DEVELOPMENT PROGRAM.

Section 3 of the Department of Energy High-End Computing Revitalization Act of 2004 (15 U.S.C. 5542) is amended—

(1) in subsection (a)—

(A) in paragraph (1), by striking "program" and inserting "coordinated program across the Department";

(B) by striking "and" at the end of paragraph (1);

(C) by striking the period at the end of paragraph (2) and inserting "and"; and

(D) by adding at the end the following new paragraph:

"(3) partner with universities, National Laboratories, and industry to ensure the broadest possible application of the technology developed in this program to other challenges in science, engineering, medicine, and industry.";

(2) in subsection (b)(2), by striking "vector" and all that follows through "architectures" and inserting "computer technologies that show promise of substantial reductions in power requirements and substantial gains in parallelism of multicore processors, concurrency, memory and storage, bandwidth, and reliability"; and

(3) by striking subsection (d) and inserting the following:

"(d) EXASCALE COMPUTING PROGRAM.—

"(1) IN GENERAL.—The Secretary shall conduct a coordinated research program to develop exascale computing systems to advance the missions of the Department.

"(2) EXECUTION.—The Secretary shall, through competitive merit review, establish two or more National Laboratory-industry-university partnerships to conduct integrated research, development, and engineering of multiple exascale architectures, and—

"(A) conduct mission-related co-design activities in developing such exascale platforms;

"(B) develop those advancements in hardware and software technology required to fully realize the potential of an exascale production system in addressing Department target applications and solving scientific problems involving predictive modeling and simulation and large-scale data analytics and management; and

"(C) explore the use of exascale computing technologies to advance a broad range of science and engineering.

"(3) ADMINISTRATION.—In carrying out this program, the Secretary shall—

"(A) provide, on a competitive, merit-reviewed basis, access for researchers in United States industry, institutions of higher education, National Laboratories, and other Federal agencies to these exascale systems, as appropriate; and

"(B) conduct outreach programs to increase the readiness for the use of such platforms by domestic industries, including manufacturers.

"(4) REPORTS.—

"(A) INTEGRATED STRATEGY AND PROGRAM MANAGEMENT PLAN.—The Secretary shall submit to Congress, not later than 90 days after the date of enactment of the American Super Computing Leadership Act, a report outlining an integrated strategy and program management plan, including target dates for prototypical and production exascale platforms, interim milestones to reaching these targets, functional requirements, roles and responsibilities of National Laboratories and industry, acquisition strategy, and estimated resources required, to achieve this exascale system capability. The report shall include the Secretary's plan for Departmental organization to manage and execute the Exascale Computing Program, including definition of the roles and responsibilities within the Department to ensure an integrated program across the Department. The report shall also include a plan for ensuring balance and prioritizing across ASCR subprograms in a flat or slow-growth budget environment.

"(B) STATUS REPORTS.—At the time of the budget submission of the Department for each fiscal year, the Secretary shall submit a report to Congress that describes the status of milestones and costs in achieving the objectives of the exascale computing program.