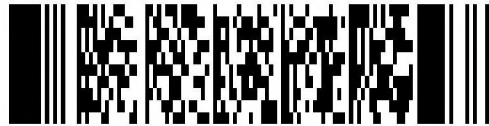


**THE WHITE HOUSE
DOCUMENT MANAGEMENT AND
TRACKING WORKSHEET**



DATE RECEIVED:

CASE ID: 1175522

NAME OF CORRESPONDENT: THE HONORABLE LAMAR ALEXANDER

SUBJECT: REQUESTS THE PRESIDENT CONTINUED SUPPORT OF THE DEPARTMENT OF ENERGY
EXASCALE COMPUTING INITIATIVE

ROUTE TO: AGENCY/OFFICE	(STAFF NAME)	ACTION		DISPOSITION		
		CODE	DATE	TYPE RESPONSE	CODE	DATE COMPLETED
LEGISLATIVE AFFAIRS	KATIE FALLON	ORG	08/03/2015			

ACTION COMMENTS:

DEPARTMENT OF ENERGY	A	08/03/2015
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ACTION COMMENTS:

ACTION COMMENTS:

ACTION COMMENTS:

ACTION COMMENTS:

COMMENTS: 15 ADDITIONAL SIGNEES

MEDIA TYPE: EMAIL

USER CODE:

ACTION CODES	DISPOSITION		
A = APPROPRIATE ACTION B = RESEARCH AND REPORT BACK D = DRAFT RESPONSE I = INFO COPY/NO ACT NECESSARY R = DIRECT REPLY W/ COPY ORG = ORIGINATING OFFICE	TYPE RESPONSE	DISPOSITION CODES	COMPLETED DATE
	INITIALS OF SIGNER (W.H. STAFF) NRN = NO RESPONSE NEEDED OTBE = OVERTAKEN BY EVENTS	A = ANSWERED OR ACKNOWLEDGED C = CLOSED X = INTERIM REPLY	DATE OF ACKNOWLEDGEMENT OR CLOSEOUT DATE (MM/DD/YY)

KEEP THIS WORKSHEET ATTACHED TO THE ORIGINAL INCOMING LETTER AT ALL TIMES

REFER QUESTIONS TO DOCUMENT TRACKING UNIT (202)-456-2590

SEND ROUTING UPDATES AND COMPLETED RECORDS TO OFFICE OF RECORDS MANAGEMENT - DOCUMENT TRACKING UNIT ROOM 63, EEOB.

**THE WHITE HOUSE OFFICE
REFERRAL**

August 03, 2015

TO: DEPARTMENT OF ENERGY

ACTION COMMENTS:

ACTION REQUESTED: APPROPRIATE ACTION

REFERRAL COMMENTS:

DESCRIPTION OF INCOMING:

ID: 1175522

MEDIA: EMAIL

DOCUMENT DATE: January 28, 2015

TO: PRESIDENT OBAMA

FROM: THE HONORABLE LAMAR ALEXANDER
UNITED STATES SENATE
WASHINGTON, DC 20510

SUBJECT: REQUESTS THE PRESIDENT CONTINUED SUPPORT OF THE DEPARTMENT OF
ENERGY EXASCALE COMPUTING INITIATIVE

COMMENTS:

PROMPT ACTION IS ESSENTIAL -- IF REQUIRED ACTION HAS NOT BEEN TAKEN WITHIN 9 WORKING DAYS OF RECEIPT,
UNLESS OTHERWISE STATED, PLEASE TELEPHONE THE UNDERSIGNED AT (202) 456-2590.

RETURN ORIGINAL CORRESPONDENCE, WORKSHEET AND COPY OF RESPONSE (OR DRAFT) TO: DOCUMENT TRACKING UNIT,
ROOM 63, OFFICE OF RECORDS MANAGEMENT - THE WHITE HOUSE, 20500

United States Senate

WASHINGTON, DC 20510

January 28, 2015

The President
The White House
Washington, D.C. 20500

Dear Mr. President:

We write to request your continued support of the Department of Energy's (DOE) exascale computing initiative. Exascale computing is critical to U.S. competitiveness and national security.

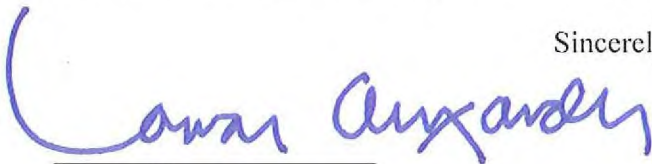
If we do not regain our leadership in supercomputing, we risk losing our competitive edge, weakening our ability to innovate, and leaving future national security missions stranded. Currently, China's Tianhe-2 (MilkyWay-2), is the fastest supercomputer according to the Top 500 list, with a peak performance of nearly 55 petaflops. This computer is twice as fast as the most powerful U.S. supercomputer. With this advantage, China can become more competitive and better equipped in the national security space than the U.S.

Today, DOE is working to achieve computing capabilities that are 10 times faster than current systems. But, only a domestic exascale machine that is 100 times faster can meet our national security needs such as higher fidelity seismic waveform interpretation, rapid weapons development, and advanced stockpile stewardship. Robert Meisner, the Director of the Office of Advanced Simulation and Computing at the National Nuclear Security Administration (NNSA), said "exascale computing is key to NNSA's capability of ensuring the safety and security of our nuclear stockpile without returning to underground testing."

Exascale computing will advance science and competitiveness in energy, health, and the environment, from faster development of vaccinations to cost-effective energy technologies. An exascale system would give your BRAIN Initiative a platform with the actual computational capabilities of a human brain on which modeling and simulation experiments could be conducted. The exascale computing initiative draws on the strengths of DOE's Office of Science in research and development and NNSA's experience in engineering and systems integration. Exascale computing will require overcoming major obstacles in energy consumption, hardware design, memory optimization, and integral co-design development with computer architects and software engineers. Overcoming these obstacles is only achieved through National Laboratory-industry-university partnerships to ensure future exascale machines meet the needs of national security, energy and science.

For national security and U.S. competitiveness, we must continue to drive exascale development to ensure that the systems of the future can protect and serve American citizens. We request that in your FY2016 Budget Request you continue to support the DOE's exascale computing initiative.

Sincerely,



Lamar Alexander
United States Senator

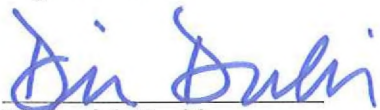


Tammy Baldwin
United States Senator

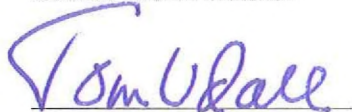
United States Senate

WASHINGTON, DC 20510

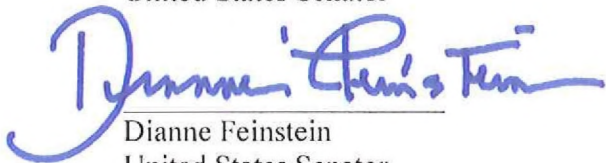
The President
January 28, 2014
Page 2 of 2



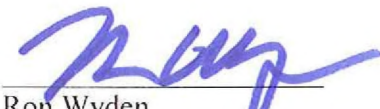
Richard J. Durbin
United States Senator



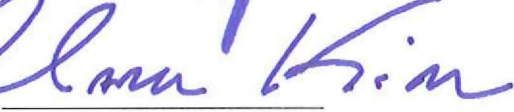
Tom Udall
United States Senator



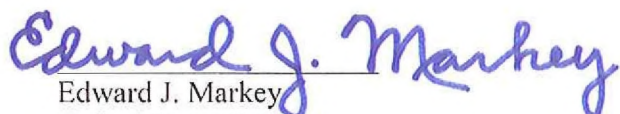
Dianne Feinstein
United States Senator



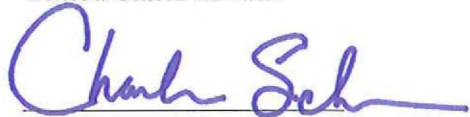
Ron Wyden
United States Senator



Mark Kirk
United States Senator



Edward J. Markey
United States Senator



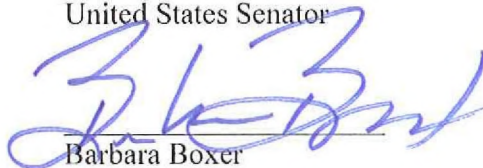
Charles E. Schumer
United States Senator



Sheldon Whitehouse
United States Senator



Maria Cantwell
United States Senator



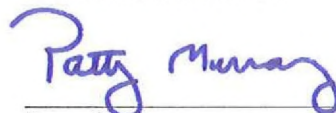
Barbara Boxer
United States Senator



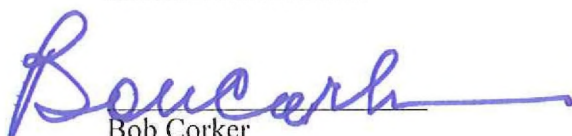
Kristen Gillibrand
United States Senator



Martin Heinrich
United States Senator



Patty Murray
United States Senator



Bob Corker
United States Senator

Tucker, Phyllis

From: Harris, Jacqueline
Sent: Tuesday, July 28, 2015 9:51 AM
To: FN-WHO-LA_INCOMING
Cc: FN-WHO-LegislativeCorrespondence; Chaker, Alaa (Intern); Mevis, Kathryn
Subject: Alexander, Lamar(+15)_DOE Computing Initiative

Please task to the Department of Energy for appropriate action.