



Department of Energy
Washington, DC 20585

OCT 30 2013

Dear Colleague:

We would like to invite you to participate in a Program Requirements Review entitled "Large Scale Production Computing and Storage Requirements for Advanced Scientific Computing Research (ASCR)," to be held on January 15, 2014 in Oakland, CA.

This requirements review is organized by the Department of Energy's Office of Advanced Scientific Computing Research (ASCR) and the National Energy Research Scientific Computing Center (NERSC). The review's goal is to characterize ASCR production computing and storage requirements through 2017 at NERSC.

NERSC is the principal provider of production High Performance Computing (HPC) facilities and services for the Office of Science (SC). The mission of NERSC is to accelerate the pace of scientific discovery by providing computing, information, data, and communications services for research sponsored by SC. NERSC supports the largest and most diverse research community of any computing facility within DOE.

Requirements collected at the review will help NERSC plan for future systems and services, and will help ensure that NERSC continues to provide world-class support for scientific discovery. The tangible outcome of the review will be a report that includes both the HPC requirements and a supporting narrative.

NERSC has successfully conducted requirements-gathering reviews with all six SC program offices in the past. This review will update findings gathered for ASCR in 2011. The designated ASCR program manager and NERSC personnel have tailored the meeting format and process to meet ASCR/NERSC-specific needs.

The program may include a small number of case studies, which will address current bottlenecks and future requirements. In aggregate, the case studies will form the basis for a set of computing, storage, and HPC services requirements needed to support ASCR research through 2017.

The subject areas of the review have been aligned with the mission and research priorities of the ASCR program. Detailed information and reference materials are available at the meeting web site: <http://www.nersc.gov/science/hpc-requirements-reviews/ASCR>. Please respond to the review organizing committee (ASCR-requirements-review@nersc.gov), confirming your attendance **no later than November 18, 2013**.



We believe this review will help NERSC maintain its reputation as the flagship production computing facility for SC and provide world-class resources for basic research in the energy sciences over the next decade. Thank you again for your participation.



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Advanced Scientific Computing Research