



ENERGY SCIENCES COALITION

October 7, 2019

Dear Chairwoman Kaptur, Chairman Alexander, Ranking Member Simpson, and Ranking Member Feinstein:

The Energy Sciences Coalition (ESC) thanks you for your strong, bipartisan support of the U.S. Department of Energy (DOE) Office of Science in the fiscal year (FY) 2020 Energy and Water Development appropriations bills (H.R. 2960 and S. 2470). As you begin work on a final FY 2020 Energy and Water bill, the ESC urges you to support the Senate funding level of \$7.215 billion for the DOE Office of Science. Understanding there is uncertainty over final funding allocations and competing funding priorities, the ESC recommends no less than \$7 billion for the DOE Office of Science, consistent with the ESC's March 2019 funding statement to Congress.

A funding level of at least \$7 billion is needed to:

- support core research in the physical sciences, biological sciences, advanced materials, geosciences, computing and engineering to help develop future energy technologies and fully utilize new and updated world-class facilities and cutting-edge instrumentation;
- accelerate the construction and upgrades of world-class scientific user facilities and maximize operations to support more than 36,000 researchers from academia, industry and federal agencies in their science and engineering pursuits;
- advance new, strategic investments in innovative high-risk, high-reward research areas, such as quantum science and technology, genomics and engineering biology, microelectronics, artificial intelligence and scientific machine learning;
- maintain and grow multi-disciplinary centers focused on addressing scientific grand challenges, such as Energy Frontier Research Centers, Bioenergy Research Centers, Energy Innovation Hubs, and national quantum information science research centers; and
- prepare the next generation of American scientific and engineering talent through competitively awarded grants as well as education programs, such as the Office of Science Graduate Fellowship and Computational Sciences Graduate Fellowship programs.

The Energy Sciences Coalition (ESC) is a broad-based coalition of organizations representing scientists, engineers and mathematicians in universities, industry and national laboratories who are committed to supporting and advancing the scientific research programs of the U.S. Department of Energy (DOE), and in particular, the DOE Office of Science.

For these reasons, we urge you to provide no less than \$7 billion for DOE Office of Science in FY 2020. The United States must maintain leadership in science, technology and innovation and the Office of Science plays a pivotal and leading role in addressing this country's energy, national security, and environmental challenges.

Sincerely,

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ESC Membership

American Association for the Advancement of Science
American Association of Physicists in Medicine
American Association of Physics Teachers
American Astronomical Society
American Chemical Society
American Crystallographic Association
American Geophysical Union
American Geosciences Institute
American Institute of Physics
American Mathematical Society
American Physical Society
American Society for Engineering Education
American Society of Agronomy
Acoustical Society of America (ASA)
American Society of Mechanical Engineers
American Society for Microbiology
American Society of Plant Biologists
American Vacuum Society
Arizona State University
Association of American Universities
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Battelle
Binghamton University
Biophysical Society
Boston University
Case Western Reserve University
City College of CUNY
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Materials Research Society
Michigan State University
Michigan Technological University
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Northeastern University
Northern Illinois University
Northwestern University
Oak Ridge Associated Universities (ORAU)
OSA—The Optical Society
Pace University
Penn State University
Princeton University
Purdue University
Rensselaer Polytechnic Institute
Rutgers, The State University of New Jersey
Society for Industrial and Applied Mathematics
Soil Science Society of America
South Dakota School of Mines
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University of Delaware
University of Illinois System
University of Iowa
University of Maryland, College Park
University of Michigan
University of Missouri System
University of North Texas
University of Pennsylvania
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