



ENERGY SCIENCES COALITION

November 30, 2020

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) 2021 Energy and Water Development appropriations bills. As you begin work on a final FY 2021 Energy and Water bill, the ESC urges you to include no less than the House funding level of \$7.05 billion for the DOE Office of Science. The DOE Office of Science is critically important in developing new energy technologies to achieve net zero goals, advancing Industries of the Future, and maintaining a highly skilled science and technology workforce.

An FY 2021 funding level of at least \$7.05 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, next-generation communications, and 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 \$7.05 billion for the DOE Office of Science in FY 2021. 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
Association of Public and Land-grant Universities
Battelle
Binghamton University
Biophysical Society
Boston University
Case Western Reserve University
City College of CUNY
Clemson University
Coalition for Academic Scientific Computation (CASC)
Consortium for Ocean Leadership
Columbia University
Computing Research Association
Council of Scientific Society Presidents
Cornell University
Cray Inc.
Crop Science Society of America
Duke University
The Ecological Society of America
Florida State University
Fusion Power Associates
General Atomics
Geological Society of America
George Mason University
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Harvard University
Health Physics Society
IBM
Iowa State University
Jefferson Science Associates, LLC
Krell Institute
Lehigh University
Massachusetts Institute of Technology
Materials Research Society
Michigan State University
Michigan Technological University
New York University
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
Southeastern Universities Research Association
SPIE
Stanford University
Stony Brook University
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The Ohio State University
University of California System
University of Chicago
University of Colorado Boulder
University of Delaware
University of Illinois System
University of Iowa
University of Maryland, College Park
University of Michigan
University of Missouri System
University of Nebraska
University of North Texas
University of Oklahoma
University of Pennsylvania
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