



ENERGY SCIENCES COALITION

September 21, 2018

Dear Chairman Alexander and Ranking Member Feinstein,

The Energy Sciences Coalition (ESC) thanks you for your strong support and leadership in advancing the research and infrastructure priorities of the U.S. Department of Energy (DOE) Office of Science in the final fiscal year (FY) 2019 Energy and Water bill (H.R. 5895). We also want to thank the Energy and Water Appropriations Subcommittee staff – Meyer Seligman and Doug Clapp – for their professionalism, accessibility and interest in the research priorities of the science community. The five percent increase from the FY 2018 enacted level, combined with the historic 16 percent increase in the final FY 2018 omnibus bill, demonstrates a clear commitment to enhancing our energy security and national security. This funding increase also sends a signal to the rest of the world that the U.S. is committed to remaining a global leader in science and technology and is poised to attract and retain the best minds – from across the country and the rest of the world – to address scientific and technological grand challenges.

More specifically, the \$6.59 billion will advance vital early stage research at both U.S. universities and the network of 17 DOE National Laboratories focused on high-risk, high-reward research areas. Machine learning, quantum information science, materials by design, and nuclear science are just a few examples of Office of Science-sponsored research that can lead to paradigm-shifting innovations in energy technologies that spawn the creation of new industries. This funding will also increase operations of 26 Office of Science-supported, world-class, scientific user facilities that provide access to more than 32,000 researchers from academia, industry and federal agencies. The additional funding for the construction and upgrades of major science facilities will go a long way toward staying ahead of international investments in science infrastructure. Equally important, undergraduate and graduate students who are the next generation of American STEM talent will be encouraged to pursue their careers in the physical sciences and help grow the nation's scientific knowledge base at a time of increasing international competition.

Thank you again for your leadership and support for the Office of Science. ESC looks forward to working with you and your colleagues in FY 2020 to maintain robust funding for the Office of Science and continue steady progress in groundbreaking research and construction of world-leading science facilities.

Contacts: Christopher Carter
Co-chair
610-216-5656
ccc317@lehigh.edu

Leland Cogliani
Co-chair
202-289-7475
Leland@lewis-burke.com

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.

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, Inc.
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
Georgia Institute of Technology
Harvard University
IBM
IEEE-USA
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
Stanford University
Tech-X
The Ohio State University
University of California System
University of Chicago
University of Colorado Boulder
University of Delaware
University of Iowa
University of Maryland, College Park
University of Michigan
University of Missouri System
University of North Texas
University of Pennsylvania
University of Rochester
University of Southern California
University of Texas at Austin
University of Virginia
University of Wisconsin-Madison
Vanderbilt University
Washington State University
Washington University in St. Louis
West Virginia University
Yale University