



## ENERGY SCIENCES COALITION

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September 21, 2018

Dear Chairman Simpson and Ranking Member Kaptur,

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 – Perry Yates and Jaime Shimek – 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](mailto:ccc317@lehigh.edu)

Leland Cogliani  
Co-chair  
202-289-7475  
[Leland@lewis-burke.com](mailto: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

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