

## **Senate Appropriations Subcommittee on Energy & Water Development**

### **Testimony on the U. S. Department of Energy's Fiscal Year 2017 Appropriations**

**March 11, 2016**

**Submitted by  
The American Chemical Society**

The American Chemical Society (ACS) would like to thank Chairman Lamar Alexander and Ranking Member Diane Feinstein for the opportunity to submit testimony for the record on the Energy and Water Development Appropriations bill for fiscal year 2017. For FY 2017, ACS requests the Department of Energy Office of Science be fully funded at the Administration request of \$5.572 billion.

ACS is a non-profit scientific and educational organization, chartered by Congress, representing more than 158,000 individual chemical scientists and engineers. The world's largest scientific society, ACS advances the chemical enterprise, increases public understanding of chemistry, and brings its expertise to bear on state and national matters.

#### **ACS Budget Recommendations**

Current federal efforts to advance energy efficiency, production, and new energy sources while reducing air pollution and other environmental impacts will demand increased investment in long-term energy research. By supporting people, research, and world-class science and engineering facilities, the Department of Energy's Office of Science expands the frontiers of science in areas critical to DOE's energy, environment, and national security missions.

The President Budget request represents leadership to ensure American competitiveness and innovation by providing the largest investment in DOE Office of Science in over two decades. Many in Congress have joined with the President in calling for expanded investment in basic physical science research. The President's request for \$5.572 billion is essential to ensuring the strength of our innovation economy.

The Office of Science fosters the new discoveries and technical talent that will continue to be essential to advances in coal, hydrogen, biomass, genomics, and many other technology areas. Additional funds should be directed to increase the number of grants, especially in core energy programs, and to improve research facilities. The Office is the primary source of federal support in many research areas essential to our energy security and economy, such as catalysis, carbon cycle research, photovoltaics, combustion, and advanced computing. Increased investment is also important given the declining private support for long-term energy research.

Within the Office of Science, ACS particularly supports the Basic Energy Sciences and Biological and Environmental Research programs. As the cornerstone of the Office, the *Basic Energy Sciences (BES)* program supports an array of long-term basic research to improve energy production and use and reduce the environmental impact of those activities. The BES program manages almost all of DOE's scientific user-facilities, and provides leading support for nanotechnology and advanced computing research—two priority research areas that will have important implications for energy efficiency and security. The *Biological and Environmental Research (BER)* program advances fundamental understanding in fields such as waste processing, bioremediation, and atmospheric chemistry to better understand potential long-term health and environmental effects of energy production and use and identify opportunities to prevent pollution. Progress in these fields is also needed to develop and advance new, effective, and efficient processes for the remediation and restoration of DOE weapons production sites. ACS supports a strong role for DOE in federal efforts to advance pollution prevention and climate change research.

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## **House Appropriations Subcommittee on Energy & Water Development, and Related Agencies**

### **Testimony on the U. S. Department of Energy's Fiscal Year 2017 Appropriations**

**March 15, 2016**

**Submitted by  
The American Chemical Society**

The American Chemical Society (ACS) would like to thank Chairman Michael Simpson and Ranking Member Marcy Kaptur for the opportunity to submit testimony for the record on the Energy and Water Development Appropriations bill for fiscal year 2017. For FY 2017, ACS requests the Department of Energy Office of Science be fully funded at the Administration request of \$5.572 billion. ACS also requests that the Subcommittee fund the Basic Energy Sciences program and Biological and Environmental Research program at their full requested amounts.

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