



ASSOCIATION OF  
PUBLIC &  
LAND-GRANT  
UNIVERSITIES

# FY2019 Appropriations Priorities

## ENERGY AND WATER DEVELOPMENT

### ABOUT THE ASSOCIATION OF PUBLIC AND LAND-GRANT UNIVERSITIES

APLU is a research, policy, and advocacy organization dedicated to strengthening and advancing the work of public universities.

With a membership of 237 public research universities, land-grant institutions, state university systems, and affiliated organizations, APLU's agenda is built on the three pillars of increasing degree completion and academic success, advancing scientific research, and expanding engagement.

Annually, its 196 U.S. member campuses enroll 4 million undergraduates and 1.2 million graduate students, award 1.1 million degrees, employ 1.1 million faculty and staff, and conduct \$40.8 billion in university-based research.

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### DEPARTMENT OF ENERGY (DOE)

#### OFFICE OF SCIENCE

#### **APLU FY2019 Request: \$6.6 billion**

(FY2019 PBR = \$5.391B; FY2018 = \$6.26B; FY2017= \$5.392B)

The Department of Energy's Office of Science plays a critical role in enhancing energy security, building our future economy and ensuring America remains a leader in various fields of science and technology. APLU and our member universities greatly appreciate the robust final FY2018 appropriation of \$6.26 billion for the DOE Office of Science. For FY2019, APLU recommends Congress fund the Office of Science at \$6.6 billion. This level represents a 4% real-growth increase and is consistent with the first recommendation in the clarion call-to-action, [Innovation: An American Imperative](#), which more than 500 organizations from all 50 states representing industry, academia, and scientific and engineering societies have endorsed. The statement has received bipartisan and bicameral support and enthusiasm. An FY2019 funding level of \$6.6 billion would build upon the FY2018 increase and continue support for leading-edge energy research and for educating the next generation of scientists. The Office of Science is our country's largest supporter of foundational research in the physical sciences, helping to advance the fundamental science knowledge base and train future scientists. Continued strong funding for the Office of Science is necessary to ensure we prevent an innovation deficit and build a better America by remaining a global leader in science and technology.

The United States risks falling behind as economic competitors like China recognize the value of scientific research and grow their investments in these areas. The 2018 Science and Engineering Indicators Report shows that competitor nations are rapidly improving their global position in science and technology while the U.S. is resting on its laurels of past investments. The [report](#) indicates that China is poised to become the global leader in S&T in the next few years. The technological advances funded by federal science agencies like the DOE are the basis of our nation's economic growth and aid in our national defense. The United States must continue to enhance our investments in scientific research supported by the DOE's Office of Science if we intend to remain competitive and at the forefront of science, technology and innovation.

Additionally, APLU supports strong funding across the basic and applied energy science fields at the Department of Energy.

## **ADVANCED RESEARCH PROJECTS AGENCY FOR ENERGY (ARPA-E)**

### **APLU FY2019 Request: \$375 million**

(FY2019 PBR = 0; FY2018 = \$353M; FY2017 = \$306M)

APLU supports funding ARPA-E at \$375 million in FY2019. As with the FY2018 funding level for the Office of Science, APLU and our member universities are very appreciative for the final FY2018 appropriation for ARPA-E, and wish to build upon that level in the coming fiscal year. ARPA-E assembles some of the country's brightest minds in cross-disciplinary research teams to focus on creative, high-risk/high-reward energy research and the rapid development of transformational clean energy technologies. By leveraging talent in all sectors—from private industry, to universities, to government labs—ARPA-E fosters a robust and cohesive community of energy researchers and technology developers in the U.S. working in support of our nation's future energy security.

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