



**ENERGY SCIENCES
COALITION**

Statement in Support of Bipartisan Congressional Efforts to Advance ARPA-E

October 10, 2017: The Energy Sciences Coalition (ESC) strongly supports the Advanced Research Projects Agency-Energy (ARPA-E) and Congress' bipartisan efforts concerning the agency, including the ARPA-E Reauthorization Act of 2017 (H.R.3681) and the Senate Energy and Water Development and Related Agencies Appropriations Act of Fiscal Year 2018 (S. 1609). These pieces of legislation are necessary to advance ARPA-E's energy technology projects.

Sustained and increased funding for ARPA-E is necessary to advance high-risk, high-reward energy technologies aimed to make U.S. energy companies more competitive across the global marketplace, including in areas such as energy storage, liquid transportation fuels, nuclear and fusion energy, wind, solar, hydrogen, carbon capture and sequestration, and energy efficiency. In just eight years, ARPA-E has already demonstrated a great return on investment – attracting more than \$1.8 billion in private sector follow-on funding, creating more than 50 new companies, and incorporating an ever-increasing number of technologies into products sold on the market. The most recent National Academy of Sciences' review of the program concluded: "ARPA-E has the ability to make significant contributions to energy R&D that likely would not take place absent the agency's activities."

ARPA-E is an integral component of the U.S. R&D ecosystem taking new discoveries and advances by the Department of Energy Office of Science, such as state-of-the-art materials or advanced computational techniques, and being the first to apply them to unexplored, potentially transformative energy technologies. Additionally, the ambitious goals of ARPA-E are attracting talented students and researchers across the country's universities and national laboratories to work on energy issues. Scientific and engineering talent from many disciplines is motivated to solve some of the most challenging energy problems tied to national security, global competitiveness, energy security and economic growth.

ESC encourages Congress to demonstrate its continued bipartisan commitment to U.S. leadership in energy technologies and pass the ARPA-E Reauthorization Act of 2017. The Coalition also requests that Congress provide no less than \$330 million for ARPA-E in a final fiscal year 2018 appropriations bill.

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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.

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