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June 7, 2017

The Honorable Thad Cochran
113 Dirksen Senate Office Building
Washington, D.C. 20510

The Honorable Rodney Frelinghuysen
2306 Rayburn House Office Building
Washington, D.C. 20515

The Honorable Patrick Leahy
437 Russell Senate Office Building
Washington, D.C. 20510

The Honorable Nita Lowey
2365 Rayburn House Office Building
Washington, D.C. 20515

Dear Chairmen Cochran and Frelinghuysen and Ranking Members Leahy and Lowey,

Accelerating innovation and increasing American competitiveness are two goals that have always enjoyed broad-based support. This consensus has been sustained by an understanding that innovation has been a driving force behind American prosperity for decades. As Congress deliberates how to balance competing priorities during the FY 2018 budget and appropriations process, it is our hope that the budget resolution and subsequent allocations enable the Energy and Water Appropriations Subcommittees to invest in America's economic and energy future by funding vital programs in energy research and development at the Department of Energy (DOE).

The successful development of new energy technologies - and the jobs they create - depends on effective partnerships between the public and private sectors. A significant component of those partnerships is the proper alignment of investments along the technology development process. Leveraging its expertise, the private sector has invested billions of dollars to commercialize new energy technologies. Critical to this process is the feedstock supplied by federal investments, especially in early-stage and high-risk research. The capital intensity of energy projects, long time horizons and uncertain regulatory environments make these partnerships especially critical in the energy sector. Such collaborations - like the development of technologies which enabled the emergence of hydraulic fracturing - have repeatedly shown their potential to enhance our energy security and create new jobs in an increasingly competitive global marketplace.

More than a billion people around the globe currently lack access to modern energy services. As populations grow over the next several decades, billions more will need access to clean, affordable and reliable energy. Federal investments at crucial stages in the innovation cycle provide essential support to private sector efforts in developing energy technologies and resources we can export to meet these needs. At the same time, such innovations also enhance the competitiveness of energy intensive domestic industries like manufacturing and agriculture, while driving down transportation costs that affect the broader economy. Importantly, programs like ARPA-E provide a blueprint for smart federal investments in high risk, high reward

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technologies that boost our competitiveness by keeping America at the forefront of global energy technology research.

We commend the Committee for its long-standing commitment to support programs vital to American prosperity. Because we share your faith in American ingenuity, we encourage you to enable the Energy and Water Appropriations Subcommittees to help deliver the benefits that energy innovation has consistently provided for U.S. economic and energy security. Continued support for investments in energy research programs across DOE can accelerate innovation and secure America's competitive advantage at this critical moment for our energy and economic future.

Respectfully,

Norm Augustine
Retired Chairman and CEO, Lockheed Martin; Former Undersecretary of the Army

Christopher M. Crane
President and CEO, Exelon Corporation

Bruce Culpepper
U.S. Country Chair & President, Shell Oil Company

John Doerr
Partner, Kleiner Perkins Caufield & Byers

Thomas J. Donohue
U.S. Chamber of Commerce

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Timothy L. Dove
President and Chief Executive Officer, Pioneer Natural Resources

Anthony F. Earley, Jr.
Executive Chair of the Board, PG&E Corporation

Tom Fanning
Chairman, President and CEO, Southern Company

Michael Graff
Chairman and CEO, American Air Liquide Holdings

David Holt
President, Consumer Energy Alliance

Chad Holliday
Retired Chairman and CEO, DuPont

Maria G. Korsnick
President and Chief Executive Officer, Nuclear Energy Institute

Dave McCurdy
President and Chief Executive Officer, American Gas Association

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Michael Skelly
President, Clean Line Energy

Cc: The Honorable Mike Enzi, Chairman
Senate Budget Committee

The Honorable Diane Black, Chairman
House Budget Committee

The Honorable Bernie Sanders, Ranking
Member Senate Budget Committee

The Honorable John Yarmouth, Ranking
Member House Budget Committee

The Honorable Lamar Alexander, Chairman
Senate Energy and Water Development Appropriations Subcommittee

The Honorable Mike Simpson, Chairman
House Energy and Water Development, and Related Agencies Subcommittee

The Honorable Dianne Feinstein, Ranking Member
Senate Energy and Water Development Appropriations Subcommittee

The Honorable Marcy Kaptur, Ranking Member
House Energy and Water Development, and Related Agencies Subcommittee

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