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# United States Senate

WASHINGTON, DC 20510 - 3505

June 10, 2016

The Honorable Ernest Moniz  
U.S. Department of Energy  
1000 Independence Ave., SW  
Washington, DC 20585

Dear Secretary Moniz:

The Department of Energy's (DOE) Advanced Combustion Systems program is focused on driving down costs and improving performance through the development of first-generation, commercially-deployable oxy-combustion systems. Continued improvements for second-generation technologies are critical to the future of advanced combustion technologies. I am encouraged by the DOE's ongoing support for development in this area.

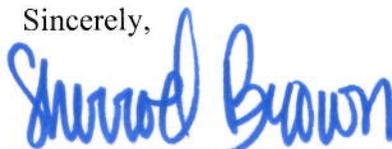
National Energy Technology Laboratory solicitation, DE-FOA-0001459, demonstrates the DOE's commitment to support the pilot plant designs based on advanced combustion systems. I believe that Babcock & Wilcock's (B&W) project submission titled "10 MWe Coal Direct Chemical Looping (CDCL) Large Pilot Plant – Front End Engineering and Design Study" merits careful consideration by the DOE.

B&W and The Ohio State University (OSU) have been working to develop iron-based CDCL technology for clean power generation with inherent carbon capture. If commercialized, it is my understanding that the CDCL process could result in carbon emissions from coal generation approximating that of natural gas. Given the current maturity of chemical looping technology and B&W's vast experience in commercial power generation and environmental control systems, it is anticipated that the proposed 10MWe pilot plant evaluation would provide significant technical and economic insight into the long-term competitiveness of the product for both domestic and international use.

B&W currently employs over 1,200 capable workers in Ohio and over 6,000 employees globally. With a worldwide installed electric generation capacity of more than 300,000 megawatts, B&W has a long history of supplying some of the world's largest, cleanest, and most efficient power generation systems.

I believe that B&W's proposal will be strongly competitive, and I urge your full and fair consideration of this promising pilot plant. Successful advancement of the CDCL process would bolster our nation's competitive position and achieve the program's energy, economic, and environmental objectives.

Sincerely,



Sherrod Brown  
U.S. Senator