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"In 2015, AES introduced the next generation of battery-based energy storage, Advancion 4, and deployed it in three countries, including the largest grid batteries in Maryland (United States), Northern Ireland and the Netherlands. Battery storage improves the stability and efficiency of electricity grids and helps to fully integrate renewable sources of energy."

At AES, we are dedicated to improving the lives of our customers by leveraging energy solutions that encompass a broad range of technologies, fuel types and renewable energy sources to help meet the world's changing energy needs. AES started as one of the first independent electricity power producers in the United States and is now a major supplier of power in 17 countries around the world.

We innovate and turn great ideas into real solutions that move the electricity sector forward. We are constantly improving our operations to more efficiently and sustainably utilize natural resources. For example, in northern Chile, the driest desert in the world, we are upgrading the desalination plant at our power generation facility with state-of-the-art technology that will enable us to provide fresh water to other businesses and neighboring communities in the future.

We are also developing new technologies that will transform the energy sector in a sustainable manner. Nearly 10 years ago, we brought together a group of AES engineers and commercial developers to work on applying advanced battery technology to the electric sector.

AES is a pioneer in this field and is the world's largest owner and operator of grid-scale advanced energy storage. In 2015, AES introduced the next generation of battery-based energy storage, Advancion 4, and deployed it in three countries, including the largest grid batteries in Maryland (United States), Northern Ireland and the Netherlands. Battery storage improves the stability and efficiency of electricity grids and helps to fully integrate renewable sources of energy.

Energy storage is a fast and highly flexible emissions-free capacity resource that is able to provide power services to the grid at any moment in time. It is different from other energy generators as it uses the electric power grid as a "fuel" and can either deliver or withdraw power depending on what is needed. This unique ability to both supply and store power on demand makes the grid more efficient and more reliable.

Our new generation of battery storage, Advancion 4, creates a standardized storage platform that avoids costly project-by-project integration, allows access to the largest battery suppliers globally and avoids obsolescence as the technologies evolve by enabling new batteries to be installed in the future using the best technology at the time.

Since our first deployment of grid-scale batteries in 2008, we have accumulated nearly 3 million megawatt-hours of delivered service on our advanced energy storage platform. These projects have led to cost savings and improved efficiencies in the markets where they operate. Our energy storage fleet in the Eastern Interconnection grid PJM is estimated to save customers around $20 million per year and reduce air emissions by 62,000 tons of carbon dioxide annually. Additionally, our fleet in northern Chile is estimated to provide $37 million in savings per year.

We are proud to contribute to the sustainable development of the power sector through our energy storage solutions and improve the stability and efficiency of power grids worldwide.

Andrés Gluski
President and Chief Executive Officer