Energy storage summit 2022

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WASHINGTON, D.C. - The U.S. Department of Energy (DOE) will host the second annual Energy Storage Grand Challenge Summit on September 27-28, 2022 at Argonne National Laboratory in Lemont, Illinois. The public is invited to attend in person or virtually to provide input on the Department"s energy storage activities.

The summit brings together the energy community, National Laboratories, and offices across DOE to build the connections needed to achieve the Energy Storage Grand Challenge and Long Duration Storage Shot goals. Attendees will hear about DOE"s major energy storage activities, learn how DOE is addressing energy storage needs and barriers, and participate in breakout sessions to help shape the future of energy storage.

During the summit, DOE will launch Storage Innovation 2030, a year-long strategic process to develop specific and quantifiable research, design, and development pathways to achieve the targets identified in the Long Duration Storage Shot. There are a limited number of spots available for industry representatives to present technology solutions for a resilient, decarbonized future.

Energy storage stakeholders gathered to provide input and feedback on the steps they are taking to achieve the Energy Storage Grand Challenge and Long Duration Storage Shot goals. This event provided an overview of the major activities currently happening as a starting point for attendees to provide DOE with ideas on how to facilitate new connections and any additional activities that DOE could undertake in the near to medium term (next 1-5 years) in order to meet the goals.

This session will discuss the ESGC Workforce Development Sub-Committee learnings from the Series of National Roundtable Conversations held in the Fall with industry, academia and non-profit organizations. Members of the working group will provide insights and learnings from the sub-committee"s work into the current gaps, challenges and opportunities of building a diverse and robust energy storage workforce.

What various energy storage strategies are being pursued around the world? How are states and countries engaging and empowering their respective communities to achieve energy transformation goals?

Successful commercialization and deployment of energy storage technologies requires the hard work and support from a range of people and organizations working together. This panel will explore one example of a region that has brought together technologists, entrepreneurs, policymakers, investors, and others to develop, manufacture, and build energy storage products and projects. Lessons learned in one region can help us better understand the challenges and opportunities in energy storage technology commercialization across the United States.

The pathway to cost-effective, sustainable long duration technologies will require significant R& D intervention by both the private and public sectors. With so many potential technologies to target, prioritizing

the highest-impact investments is a difficult challenge for R& D portfolio decision-makers. This session will highlight DOE activities around R& D prioritization and feature a panel to discuss technology innovations and R& D to accelerate long duration storage development.

One main objective is to identify key RD& D barriers in each specific long duration storage technology, and the opportunities for collaborative, pre-competitive activities. Of the 30+ storage technology areas identified in the ESGC Roadmap, this session will be the first step to identify 8-10 promising long duration technologies for detailed analysis. Speakers will have the opportunity to describe why their technology is a promising solution for a resilient, decarbonized future and why it should be included in the Partnerships Roadmap portion of SI2030.