Grid-scale energy storage washington d c

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WASHINGTON, D.C. -- The U.S. Department of Energy"s (DOE) Office of Electricity (OE) today announced the ten winners of the inaugural American-Made Energy Storage Innovations Prize. The American-Made Challenge calls for solutions to grid-scale energy storage. The prize is $300,000.

The Energy Storage Innovations Prize focuses on nascent and emerging technologies that disrupt or advance current state-of-the-art energy storage research areas. As part of DOE"s Storage Innovations 2030 Initiative, this prize is helping industry develop new technologies that have greatest potential to meet grid reliability, equity, and decarbonization goals.

"Cost-effective, long-duration, and grid-scale energy storage is essential to supporting the nation"s electric infrastructure in the transition to clean energy," said Gene Rodrigues, OE Assistant Secretary for Electricity. "The Energy Storage Innovations Prize showcases American innovation across a wide spectrum of energy storage research areas."

Of the ten winning teams, OE announced five "Storage Innovations Champions" to receive $50,000 each and five "Storage Innovations Finalists" to receive $10,000 each. These finalists represent an essential part of our country"s innovative minds. To recognize their contributions, all winning teams may be included in a future Report to Congress focusing on the state of energy storage innovations in the United States.

Submissions were judged on the innovation"s quality, including a pathway to DOE"s levelized cost of storage goals, strength of plan, and other unique benefits, such as supply chain considerations and equity.

The Energy Storage Innovations prize also supports the Energy Storage Grand Challenge and Long Duration Storage Shot. These initiatives aim to reduce by 2030 the cost of grid-scale energy storage by 90% for systems that deliver 10 or more hours of electricity. DOE is considering all types of technologies, including electrochemical, mechanical, thermal, chemical carriers, and more.

Learn more about each of the Champion and Finalist proposals at a virtual networking event on Wednesday, March 1 at 12 p.m. EST. During this event, each winning team will have 5-10 minutes to introduce their emerging technology proposal to industry experts and potential collaborators. Register here.

The hearing will be webcast live on the committee’s website, and an archived video will be available shortly after the hearing concludes. Witness testimony will be available on the website at the start of the hearing.

WASHINGTON DC, December 15 2022 - The U.S. energy storage market grid-scale segment installed a

record 4,733 megawatt-hours (MWh) in the third quarter of 2022, surpassing the previous quarterly high of 4,598 MWh in Q1 of 2021, according to a new report released today. On a single charge, this amount of battery storage could power over 150,000 U.S. homes for a day.

According to the American Clean Power Association (ACP) and Wood Mackenzie"s latest U.S. Energy Storage Monitor report released today, grid-scale storage deployments relied heavily on California and Texas, which accounted for 96% of total installed capacity this quarter.

"Demand in the grid-scale and residential storage segments continues to increase, despite rising costs and lingering supply chain challenges," said Vanessa Witte, senior analyst with Wood Mackenzie"s energy storage team. "Installed capacity is expected to more than double next year, driven by new grid-scale project announcements and increased residential and non-residential volumes in CA due to the introduction of a community solar program and NEM 3.0."

According to the report, the total forecast volume between 2022-2026 across all segments increased by 109% quarter-over-quarter, and in this timeframe the U.S. storage market will install almost 65 gigawatts (GW) total, with grid-scale installations accounting for 84% of that capacity.

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