Fire energy storage project

What is battery energy storage fire prevention & mitigation?
In 2019, EPRI began the Battery Energy Storage Fire Prevention and Mitigation - Phase I research project, convened a group of experts, and conducted a series of energy storage site surveys and industry workshops to identify critical research and development (R&D) needs regarding battery safety.

What is an energy storage fire safety webinar?
Quarterly energy storage fire safety webinars convening participants, test experts, vendors, and others to present findings, engage in Q&A, and advise on near-term research needs. Site hosts receive all collaborator deliverables plus results for each site-specific scope selected.

Who should join the energy storage safety project?
Utilities and system owners or operators with energy storage safety responsibilitiesshould join this project. For more information,contact the EPRI Customer Assistance Center at 800.313.3774 (askepri@epri.com). 2023 Electric Power Research Institute (EPRI),Inc. All rights reserved.

Are new energy storage systems safe?
Interest in storage safety considerations is substantially increasing, yet newer system designs can be quite different than prior versions in terms of risk mitigation. Utilities are uniquely positioned to impact energy storage safety practices, especially in the absence of clear risk mitigation guidelines.

Do lithium-ion battery energy storage systems cause fires?
The report is a culmination of a two-year research project examining the characteristics of fires resulting from the overheating of lithium-ion battery energy storage systems (ESS) within residential structures.

How do utilities impact energy storage safety practices?
Utilities are uniquely positioned to impact energy storage safety practices,especially in the absence of clear risk mitigation guidelines. Effective solutions will require additional data to characterize technologies,integration practices,failure incidents and their impacts,as well as controlled testing and modeling to frame future solutions.

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