Chart of the Week #2024-44 U.S. Utility-Scale Battery Storage Developments



Max Pyziur November 6, 2024 Washington, DC



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California distinguishes itself with having over 50% of its battery systems collocated (sited) adjacent to other power systems, primarily solar facilities (42%) and to a lesser degree natural gas-fired generators (8.3%). Battery systems in Texas are primarily standalone (78.7%) with the balance collocated with solar, natural gas, and wind systems.

According to the EIA (https://www.eia.gov/todayinenergy/d etail.php?id=50176), frequency regulation (maintaining load/generation balance) was the primary application for battery systems. Two other rationales were: storage of excess wind and solar generation; and arbitrage (buying electricity from the grid at low prices and selling it back during more expensive times).

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This slide deck is available at: <u>https://eprinc.org/chart-of-the-week/</u>

For more information on these charts, please contact Max Pyziur (maxp@eprinc.org).