

Espay Solar Energy S.L.

DuKe Energy Storage System



Overview

We currently operate two pumped storage plants - Jocassee (1973) and Bad Creek (1991) - which provide a majority of the energy storage within Duke Energy's system. Long-duration energy storage includes a wide range of technologies capable of storing energy for days, weeks or even seasons. Pumped hydro systems are the most mature of these technologies and has been in operation in our fleet for over 50. Duke Energy has brought on line a 50-megawatt, four-hour battery energy storage system at its former Allen coal plant on Lake Wylie, serving customers in North Carolina and South Carolina, and has unveiled plans for additional battery storage and new jobs at the Gaston County site. From piloting innovative battery chemistries to launching customer incentive programs, the utility giant is making significant strides in. In 1956, TVs had rabbit ears, phones were attached to the wall, and the Suwannee River Steam Plant near Live Oak, Fla. Today, we have flat-screen TVs, cellphones in our pockets and cleaner energy at Suwannee.

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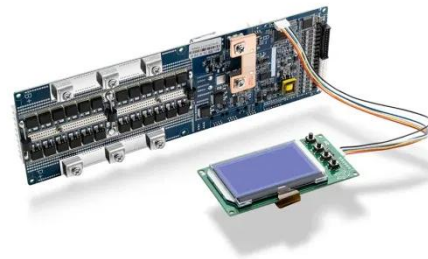


Duke Energy's Allen Steam Plant finds new life in battery energy storage

Duke Energy is expanding its vision for renewed life at the former Allen coal plant after successfully bringing a 50-megawatt, four-hour battery energy storage system online at the facility.

Transcript: Duke Develops Flexible Energy Storage Options ...

We have the opportunity to deploy standalone storage as a capacity and energy resource and a reliability resource in all of those jurisdictions. What we do well is strategically site storage to ...



Duke Energy brings \$100M, 50 MW battery project online

Built on the shuttered Allen coal plant on Lake Wylie in Gaston County, NC, Duke Energy's new 50 MW battery storage system arrived both under budget and ahead of schedule.

Duke Energy Brings New Grid

Battery On Line at Former Allen Coal

...

Duke Energy has brought on line a 50-megawatt, four-hour battery energy storage system at its former Allen coal plant on Lake Wylie, serving customers in North Carolina and South ...



Duke Energy Energy Storage and Battery Initiatives for 2025: Key

Explore Duke Energy's investments in battery storage systems (BESS) for grid modernization, renewable energy integration, and increased resilience. Learn about partnerships and projects.

Duke Energy turns former coal plant into \$100 million battery storage ...

A 50-megawatt, four-hour battery energy storage system (BESS) was launched at the old coal plant on Wednesday, marking the beginning of the utility's investment in that form of energy.



Duke Energy opens \$100M battery system at old Belmont coal ...

Duke Energy has opened a \$100 million, 50-megawatt battery energy storage system at its former coal plant site in Belmont.



Duke Energy tests next-gen energy storage at historic Suwannee site

The 5-megawatt (MW) system will utilize sodium-sulfur technology to store energy for up to eight hours - doubling the duration of most commercially available batteries - making this a ...



The Duke Battery Energy Storage Facility: Powering Tomorrow's Grid

Without facilities like the Duke Battery Energy Storage Facility, this morning ritual could crash local grids faster than a toddler dismantling a Lego castle. This 300-megawatt behemoth isn't ...

Energy Storage

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provide ...



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