

Project Hestia will make distributed energy resources -- including residential rooftop solar, battery storage, and virtual power plant-ready, consumer-facing software -- available to more American ...

As the climate crisis worsens, power grids are gradually transforming into a more sustainable state through renewable energy sources (RESs), energy storage systems (ESSs), and ...

Advances in battery technology and AI software are driving virtual power plants to scale, enhancing grid stability and reducing energy costs.

Virtual Power Plants (VPPs) are a network of small energy generation sites--think hundreds of homes with rooftop solar--that are combined with storage technologies like home ...

Virtual Power Plants (VPPs) have the potential to become one of the most powerful tools to strengthen America's energy system. By digitally connecting distributed energy resources--rooftop solar, battery ...

This table summarizes the VPP programs that include battery storage, and provides links to relevant program pages and documents. This table was last updated in September 2025.

Customers save money when utilities leverage VPP programs and offset the need to invest in large capital infrastructure such as new power plants. Additionally, VPP participants can ...

Virtual Power Plants (VPP) are aggregations of distributed energy resources (DERs) that can balance electrical loads and provide utility-scale and utility-grade grid services like a traditional ...

Here's what you need to know about VPPs--and why they could be the key to helping us bring more clean power and energy storage online. What are virtual power plants and how do they ...

Virtual Power Plants are transforming how the modern grid operates by uniting distributed energy resources into a flexible, coordinated network. Paired with advanced battery ...

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