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Department of Energy

Genesis Mission leverages the Department of Energy's unique scientific datasets-spanning more than 100 petabytes of experimental and simulation data across every major domain of science-to double



[A Guide to Battery Energy Storage System Components](#)

Battery energy storage system components include the core battery modules, power conversion systems (PCS), energy management systems

United States to Release 172 Million Barrels of

WASHINGTON -U.S. Secretary of Energy Chris Wright released the following statement regarding the International Energy Agency (IEA) and the U.S. Strategic Petroleum Reserve (SPR):



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[Industrial Technologies Office , Department of Energy](#)

The Industrial Technologies Office (ITO) funds research, development, pilot-scale demonstrations, and technical assistance and workforce development to increase competitiveness of the U.S. industrial



Exploring Solar Energy Student Guide (7 Activities)

Like solar cells, concentrated solar power systems use solar energy to make electricity. Since the solar radiation that reaches the earth is so spread out and diluted, it must be concentrated to produce the



of Energy's 17 National Laboratories with America's leading universities and industry, including pioneers in artificial intelligence, computing, materials,



Energy Department Reins in Over \$83 Billion in

The U.S. Department of Energy announced today that the Office of Energy Dominance Financing (EDF) is restructuring, revising, or eliminating more than \$83 billion in Green New Scam



2026 DOE 202 (c) Orders

On January 26, 2026, the Department of Energy (DOE) issued an emergency Order No. 202-26-07, pursuant to section 202 (c) of the Federal Power Act, to Duke Energy Carolinas, LLC and

[BESS Components Explained: Every Part You Need to Know](#)

A Battery Energy Storage System (BESS) is much more than batteries alone. Each component, from modules and BMS to transformers and enclosures contributes to safe, efficient, and



[What are the energy storage electrical components? , NenPower](#)

Energy storage electrical components include batteries, capacitors, supercapacitors, and flywheels. Understanding these components involves recognizing their roles, applications, and

The Nation's Nuclear Reactor Fleet Is on the Rise

The U.S. Department of Energy's (DOE) Office of Nuclear Energy is underway with a new effort that will use existing nuclear energy infrastructure to put more power on the grid. The Utility



[FY 2026 Budget Justification , Department of Energy](#)

Fiscal Year 2026 Budget Justification documents to support the Department of Energy Budget Request to Congress

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