



Department of energy us

New U.S. heat pumps and clean HVAC manufacturing announcements under President Biden: Over \$1.4 billion announced so far ; Over 4,300 potential new jobs ; Over 45 new or upgraded facilities for manufacturing different heat pump technologies and key components, such as compressors and low global warming potential (GWP) refrigerants ; Based on current ...

The United States has used nuclear power for more than 60 years to produce reliable, low-carbon energy and to support national defense activities. The Energy Department's Office of Nuclear Energy 's primary mission is to advance nuclear power as a resource capable of making major contributions in meeting our nation's energy supply ...

The Department of Energy's (DOE) Budget makes historic investments that will help the country lay the foundation to build a clean and equitable energy economy and ensure the U.S. reaches net-zero emissions by 2050. ... Make the United States the leading nation for investing in clean energy.

Energy-efficient products at home and across economic sectors save Americans billions on their utility bills each year. The Building Technologies Office's Appliance and Equipment Standards Program implements minimum energy conservation standards for appliances and equipment used in homes, industry, and commercial buildings.. Visit ENERGY STAR to find energy-efficient ...

Fusion Energy Breakthrough: In December, scientists at the National Ignition Facility at DOE's Lawrence Livermore National Laboratory achieved fusion ignition, creating more energy from fusion reactions than the energy used to start the process was the first time this has ever been achieved in a laboratory, anywhere on Earth, making it one of the most impressive ...

OverviewHistoryOrganizationRelated legislationBudgetPrograms and contractsSee alsoFurther readingThe United States Department of Energy (DOE) is an executive department of the U.S. federal government that oversees U.S. national energy policy and energy production, the research and development of nuclear power, the military's nuclear weapons program, nuclear reactor production for the United States Navy, energy-related research, and energy conservation.

WASHINGTON, D.C. -- The U.S. Department of Energy (DOE) and DOE's National Nuclear Security Administration (NNSA) today announced the achievement of fusion ignition at Lawrence Livermore National Laboratory (LLNL)--a major scientific breakthrough decades in the making that will pave the way for advancements in national defense and the ...

WASHINGTON, D.C. -- The U.S. Department of Energy (DOE) today released America's first comprehensive plan to ensure security and increase our energy independence.The sweeping report, "America's Strategy to Secure the Supply Chain for a Robust Clean Energy Transition," lays out dozens of critical strategies to build a secure, resilient, and diverse ...



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EERE is working to achieve U.S. energy independence and increase energy security by supporting and enabling the clean energy transition. The United States can achieve energy independence and security by using renewable power; improving the energy efficiency of buildings, vehicles, appliances, and electronics; increasing energy storage capacity; and ...

There are five energy-use sectors, and the amounts--in quadrillion Btu (or quads)--of their primary energy consumption in 2023 were: 1; electric power 32.11 quads; transportation 27.94 quads; industrial 22.56 quads; residential 6.33 quads; commercial 4.65 quads; In 2023, the electric power sector accounted for about 96% of total U.S. utility-scale ...

The Office of Energy Efficiency and Renewable Energy (EERE) and U.S. Department of Energy (DOE) provide many opportunities for students, recent graduates, and others looking for internships, fellowships, and similar programs with the federal government. Fellowships EERE: American Association for the Advancement of Science Fellowships

U.S. Department of Energy (DOE), executive division of the U.S. federal government responsible for administering national energy policy. Established in 1977, it promotes energy efficiency and the use of renewable energy. Its national security programs serve to develop and oversee nuclear-energy

The United States is home to one of the largest and fastest-growing wind markets in the world. To stay competitive in this sector, the Energy Department invests in wind research and development projects, both on land and offshore, to advance technology innovations, create job opportunities and boost economic growth.. Moving forward, the U.S. wind industry remains a critical part of ...

By E-mail: You can send an email to the Secretary of Energy at The.Secretary@hq.doe.gov By Fax: 202-586-4403 *Please note: mail may take up to 3 weeks to arrive. As such, we strongly encourage you to use the email address provided above or our Contact Us form.

The U.S. Department of Energy Hydrogen Program, led by the Hydrogen and Fuel Cell Technologies Office (HFTO) within the Office of Energy Efficiency and Renewable Energy (EERE), conducts research and development in hydrogen production, delivery, infrastructure, storage, fuel cells, and multiple end uses across transportation, industrial, and stationary ...

Energy consumption and carbon dioxide emissions indicators; Primary energy consumption per capita: 279 million Btu per person: Primary energy consumption per real dollar of GDP: 4.18 thousand Btu per chained (2017) dollar: Energy-related CO 2 emissions per capita: 14.3 metric tons (31,526 pounds) per person: Energy-related CO 2 emissions per ...

The mission of the Department of Energy is to ensure America's security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology ...



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Learn about the Energy Department's efforts to advance technologies that drive down the cost of solar energy in America. ... These resources help government entities in the United States looking to procure solar or make it easier for their communities to install solar. [Learn More](#)

WASHINGTON, D.C. -- The U.S. Department of Energy (DOE) today released three annual reports showing that wind power continues to be one of the fastest growing and lowest cost sources of electricity in America and is poised for rapid growth. According to the new reports, wind power accounted for 22% of new electricity capacity installed in the United ...

The Energy Secretary is assisted in managing the department by a United States Deputy Secretary of Energy, also appointed by the president, who assumes the duties of the secretary in the secretary's absence. The department also has three under secretaries, each appointed by the president, who oversee the major areas of the department's work.

U.S. Department of Energy Office of Scientific and Technical Information - OSTI.GOV is the primary search tool for Department of Energy science, technology, and engineering research ...

The Office of Electricity leads the Department of Energy's research, development, and demonstration programs to strengthen and modernize our nation's power grid so that our nation maintains a reliable, resilient, and secure electricity delivery infrastructure.

WASHINGTON, D.C.--The U.S. Department of Energy (DOE) today announced \$41 million for 14 projects to develop technologies, Renewables-to-Liquids (RtL), for harnessing renewable energy sources like wind and solar to produce liquids for sustainable fuels or chemicals that can be transported and stored as easily as carbon-intensive liquids like gasoline or oil.

The Office of Nuclear Energy advances nuclear power as a resource capable of meeting the nation's energy, ... The United States and United Kingdom successfully fabricated test capsules made up of advanced metal alloys and graphite for use in future advanced nuclear reactors. ... U.S. Department of Energy Issues Final HALEU Environmental Impact ...

The National Laboratories have served as the leading institutions for scientific innovation in the United States for more than 60 years. ... The Energy Department's 17 National Labs tackle the critical scientific challenges of our time -- from combating climate change to discovering the origins of our universe -- and possess unique instruments ...

The Department of Energy (DOE) manages the United States' nuclear infrastructure and administers the country's energy policy. The Department of Energy also funds scientific research in the field. Have a question? Ask a real person any government-related question for free. They will get you the answer or let you know where to find it.



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WASHINGTON, D.C. -- As part of President Biden's Investing in America agenda, the U.S. Department of Energy (DOE) today announced up to \$6 billion for 33 projects across more than 20 states to decarbonize energy-intensive industries, reduce industrial greenhouse gas emissions, support good-paying union jobs, revitalize industrial communities, and strengthen ...

There is no greater challenge facing our nation and our planet than the climate crisis. That's why President Biden has laid out the boldest climate agenda in our nation's history--one that will spur an equitable clean energy economy and cement America on a ...

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