

How many billions of dollars are invested in wind solar and energy storage projects





Overview

London, August 26, 2025 – Global investment in new renewable energy projects hit a record \$386 billion in the first half of 2025, up 10% from the previous year. How much energy is invested in wind & solar PV in 2023?

In 2023, each dollar invested in wind and solar PV yielded 2.5 times more energy output than a dollar spent on the same technologies a decade prior. In 2015, the ratio of clean power to unabated fossil fuel power investments was roughly 2:1. In 2024, this ratio is set to reach 10:1.

How much will the power sector invest in solar in 2024?

Power sector investment in solar photovoltaic (PV) technology is projected to exceed USD 500 billion in 2024, surpassing all other generation sources combined. Though growth may moderate slightly in 2024 due to falling PV module prices, solar remains central to the power sector's transformation.

Will solar power grow in 2025?

In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U.S. power generation for the next two years. As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 billion kWh in 2025.

How much energy will the United States generate in 2024?

We forecast natural gas will continue to be the largest source of U.S. electricity generation, with about 1,700 billion kWh of annual generation in 2024 and 2025, similar to last year. We expect nuclear power generation will stay relatively flat, rising from 776 billion kWh in 2023 to 797 billion kWh in 2025.

Will wind power grow in 2023?

We expect that wind power generation will grow 11% from 430 billion kWh in



2023 to 476 billion kWh in 2025. In 2023, the U.S. electric power sector produced 4,017 billion kilowatthours (kWh) of electric power. Renewable sources—wind, solar, hydro, biomass, and geothermal—accounted for 22% of generation, or 874 billion kWh, last year.

Which energy sources generate the most electricity in the world?

Renewable sources—wind, solar, hydro, biomass, and geothermal—accounted for 22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear generation for the first time in 2021 and coal generation for the first time in 2022.



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Renewable Energy Received Record Subsidies in 2024

The prices being charged by wind farms to reduce output fell in 2024 despite the rising subsidies. Conclusion Wind and solar energy are expensive, with many hidden costs in ...

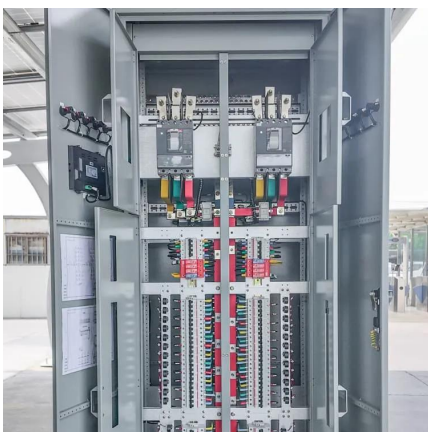
Over \$14 billion clean energy investment canceled or delayed

More than \$14 billion in clean energy investments in the U.S. have been canceled or delayed this year, according to an analysis released Thursday, as President Donald ...



The Biden Administration has spurred \$1 trillion in clean energy

New data released this week shows the Biden-Harris Administration's Investing in America agenda has catalyzed a staggering \$1 trillion in manufacturing, infrastructure, and ...



The surprising winners -- and losers -- of America's clean energy ...

In Georgia, where Hyundai opened a new, \$7.5 billion EV plant, the state has recently opened two new nuclear reactors. Maps showing investments in solar power and ...



[Biden-Harris Administration Invests \\$2.2 Billion](#)

RALEIGH, N.C. -- In support of the Biden-Harris Administration's Investing in America agenda, the U.S. Department of Energy (DOE) today ...



[Over \\$14 billion clean energy investment canceled or ...](#)

More than \$14 billion in clean energy investments in the U.S. have been canceled or delayed this year, according to an analysis released ...



[Global Investment in the Energy Transition Exceeded ...](#)

Along with investment in the low-carbon energy transition, BNEF's report also tracks investment in the clean energy supply chain, including the ...





Solar and wind to lead growth of U.S. power ...

As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion ...



\$14 billion in clean energy projects canceled in US, analysis says ...

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Trump Is Freezing Money for Clean Energy

Of the nearly \$30 billion in clean technology factories that were scheduled to come online in 2025 -- including manufacturing facilities for ...



Global Investment In The Clean Energy Transition Surpassed ...

Renewable energy investments reached \$728 billion, including sectors such as wind (both onshore and offshore), solar, biofuels, biomass and waste, marine, geothermal, and ...



Global Renewable Energy Investment Still Reaches New Record ...

London, August 26, 2025 - Global investment in new renewable energy projects hit a record \$386 billion in the first half of 2025, up 10% from the previous year. However, asset finance for utility ...



[China leads in energy transition investment](#)

China's renewable energy sector experienced a stellar year in 2024, with the total installed capacity of wind and solar power surpassing 1.4 billion kilowatts, further reinforcing ...

Solar and wind to lead growth of U.S. power generation for the ...

As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 ...



[DOE Fact Sheet: The Bipartisan Infrastructure](#)

A key piece in President Biden's Build Back Better agenda, the infrastructure deal includes more than \$62 billion for the U.S. Department of ...





[New Data Shows Investments to Build California's ...](#)

Ahead of National Infrastructure Week, the CEC and California Public Utilities Commission (CPUC) are highlighting the state's progress to ...

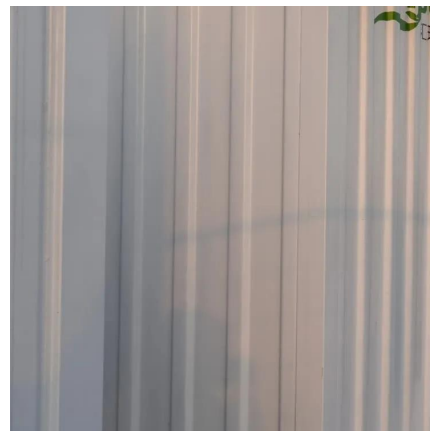


[World Energy Investment 2024 - Analysis](#)

Global energy investment is set to exceed USD 3 trillion for the first time in 2024, with USD 2 trillion going to clean energy technologies and infrastructure. ...

[The Latest Statistics & Trends on U.S. Clean Energy](#)

This page provides key information and research on clean energy in the U.S., offering insights into the rapid growth of technologies like wind, solar, storage, nuclear, ...



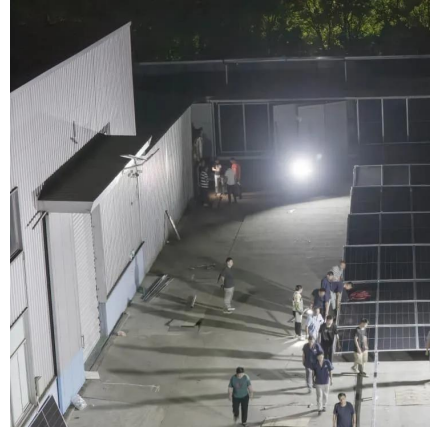
Green Energy Investment Sets \$1.1 Trillion Record in 2022

Last year, global investment in clean energy passed \$1 trillion--for the first time matching the amount invested in fossil fuels.



[The Latest Statistics & Trends on U.S. Clean Energy](#)

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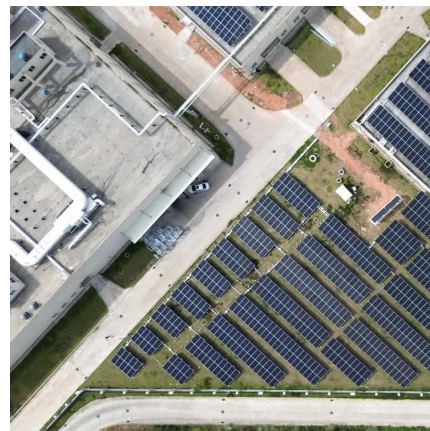


How much dollars are invested in energy storage? , NenPower

1. Global investment in energy storage systems is experiencing exponential growth, with projections suggesting \$162 billion by 2030, 2. The surge in investment can be ...

Renewable Energy Revolution: How Much Has the US Invested?

According to a report by the International Energy Agency (IEA), the US invested a record \$64.8 billion in renewable energy in 2020, with solar and wind continuing to lead the charge.



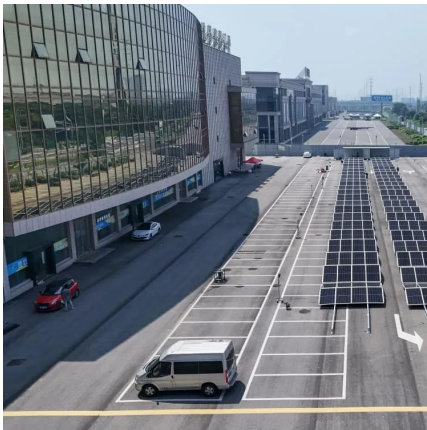
[\\$14 billion in clean energy projects canceled in US, ...](#)

More than \$14 billion in clean energy investments in the U.S. have been canceled or delayed this year, according to an analysis released ...



Congress's "One Big Beautiful Bill" Will Shrink ...

IRA tax credits could be used to support both investing in clean energy projects and producing electricity from low-carbon sources including ...



Biden pushes out over \$100 billion in clean energy ...

The IRA also offers a decade's worth of tax incentives for clean energy projects, including for wind and solar installations, and ending those ...

World Energy Investment 2024 - Analysis

Global energy investment is set to exceed USD 3 trillion for the first time in 2024, with USD 2 trillion going to clean energy technologies and infrastructure. Investment in clean energy has ...



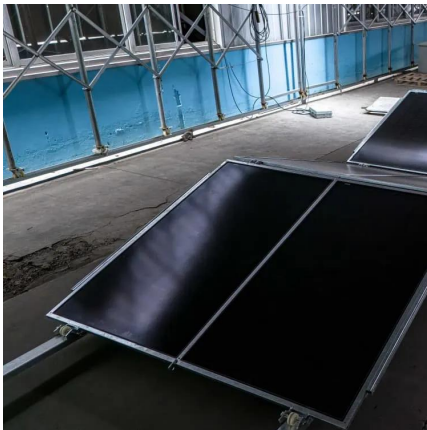
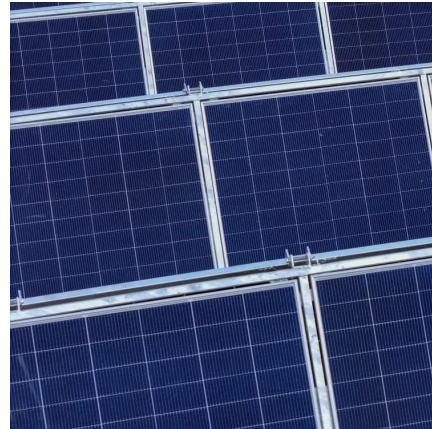
Global Energy Investment Set To Exceed USD 3 Trillion First ...

According to a new IEA report, released on Thursday, global energy investment is set to exceed USD 3 trillion for the first time in 2024, with USD 2 trillion going to clean energy ...



[Global Energy Investment Set To Exceed USD 3 ...](#)

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[U.S. renewable energy investment 2024, Statista](#)

Investment into renewable energy technologies has grown significantly in the United States over the last decades.

[Clean Energy and Manufacturing Investments](#)

Since 2022, there has been a clean energy and manufacturing boom in the United States, with hundreds of billions of dollars of new investment spurring ...



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