

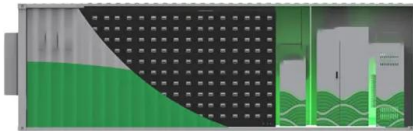
On-grid electricity prices for wind power and coal-fired power



Overview

Renewable Energy Has Achieved Cost Parity: Utility-scale solar (\$28-117/MWh) and onshore wind (\$23-139/MWh) now consistently outcompete fossil fuels, with coal costing \$68-166/MWh and natural gas \$77-130/MWh, making renewables the most economical choice for new electricity. Renewable Energy Has Achieved Cost Parity: Utility-scale solar (\$28-117/MWh) and onshore wind (\$23-139/MWh) now consistently outcompete fossil fuels, with coal costing \$68-166/MWh and natural gas \$77-130/MWh, making renewables the most economical choice for new electricity. Everyday States published an article claiming wind and solar power, but especially solar power, provide cheaper electric power than 'fossil fuels' in various states Media outlets have repeatedly made similar claims over the past decade, but as with those previous stories, data on power prices and. Different methods of electricity generation can incur a variety of different costs, which can be divided into three general categories: 1) wholesale costs, or all costs paid by utilities associated with acquiring and distributing electricity to consumers, 2) retail costs paid by consumers, and 3). The average cost per unit of energy generated across the lifetime of a new power plant. This data is expressed in US dollars per kilowatt-hour. It is adjusted for inflation but does not account for differences in living costs between countries. Electric utility and non-utility generator-specific plant data, including in-service date, prime movers, generating capacity, energy sources, existing and proposed generators, county and state location, ownership, and FERC-qualifying facility status (Monthly values are preliminary; annual values.

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[Renewable Power Generation Costs in 2024](#)

The latest cost analysis from IRENA shows that renewables continued to represent the most cost-competitive source of new electricity generation in 2024.

[Cost Of Renewable Energy 2025: Complete Guide To Solar, Wind](#)

Comprehensive 2025 guide to renewable energy costs. Compare solar, wind, and clean energy pricing vs fossil fuels. Includes latest LCOE data, trends, and projections.



[Cost of electricity by source](#)

OverviewCost factorsCost metricsGlobal studiesRegional studiesSee alsoFurther readingNotes

While calculating costs, several internal cost factors have to be considered. Note the use of "costs," which is not the actual selling price, since this can be affected by a variety of factors such as subsidies and taxes: o Capital costs tend to be low for gas and oil power stations; moderate for onshore wind turbines and solar PV (photovoltaics); higher for coal plants and higher still for waste-to-energy, wave and tidal, solar thermal, ...

[Fact Check: Wind And Solar Power Cost Far More](#)

Than 'Fossil Fuels'

Despite the fact that Californians use less energy per capita in the nation, their power prices keep rising, in large part due to climate regulations and the forced displacement of 'fossil fuels' ...

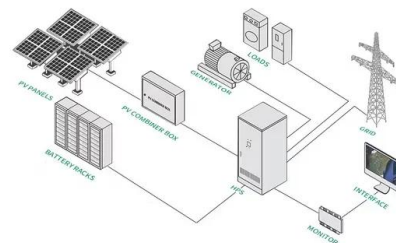


Wind and Solar Energy Are Cheaper Than Electricity from Fossil-Fuel

It finds that those prices range from as low as \$71 per MWh for unsubsidized wind in the Midwest to as high as \$164 for solar-plus-storage in the mid-Atlantic. This story also appears in

Estimating the Real Cost of Electricity from Solar, Wind, and Coal

Do you think solar and wind electric generation are cheaper than coal-fired electricity? Think again! To estimate the true cost of wind and solar energy when redundancy requirements are ...



Levelized Costs of New Generation Resources in the Annual...

This paper presents average values of levelized costs for new generation resources as represented in the National Energy Modeling System (NEMS) for our Annual Energy Outlook 2025 (AEO2025) ...

[Levelized cost of energy for renewables. World](#)

The average cost per unit of energy generated across the lifetime of a new power plant. This data is expressed in US dollars per kilowatt-hour. It is adjusted for inflation but does not account for ...



[91% of New Renewable Projects Now Cheaper Than Fossil Fuels ...](#)

In 2024, solar photovoltaics (PV) were, on average, 41% cheaper than the lowest-cost fossil fuel alternatives, while onshore wind projects were 53% cheaper. Onshore wind remained the ...

[Cost of electricity by source](#)

Capital costs tend to be low for gas and oil power stations; moderate for onshore wind turbines and solar PV (photovoltaics); higher for coal plants and higher still for waste-to-energy, wave and tidal, solar ...



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