

Meeting climate change goals is still possible with renewable energy and EVs Electric vehicles and solar power are growing quickly and offering hope the world could still meet climate change goals.

Timothy reports on energy and environment policy and is based in Washington, D.C. His coverage ranges from the latest in nuclear power, to environment regulations, to U.S. sanctions and geopolitics.

RE+. September 11 - 14, 2023 Las Vegas, Nevada. RE+ brings the modern energy industry together to foster a cleaner future for all. The largest and most comprehensive event in North America for the clean energy industry, RE+ is comprised of: Solar Power International (our flagship event) and Energy Storage International and brings together an extensive alliance of ...

US Department of Energy officials announced Tuesday that US scientists for the first time successfully produced more energy from a nuclear fusion experiment than the laser energy used to power it.

Approximately one-seventh of the world's primary energy is now sourced from renewable technologies. Note that this is based on renewable energy's share in the energy mix. Energy consumption represents the sum of electricity, transport, and heating. We look at the electricity mix later in this article.

c, Current and future imbalances between energy demand and generation due to intensifying compound climate extremes and renewable energy penetration. During a compound hazard (a hurricane followed ...

Global renewable energy capacity is expected to grow by two and a half times by 2030 but governments need to go further to achieve a goal of tripling it by then agreed at United Nations' climate ...

Here are three takeaways as the first major U.S. climate policy turns one. "Rocket fuel" for renewable energy, but hurdles remain . Nearly \$200 billion in tax credits at the center of the IRA aim ...

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The COP28 climate talks called for a tripling of renewable energy capacity and doubling energy efficiency improvements by 2030. ... "The new IEA [Renewables 2023] report shows that under current policies and market conditions, global renewable capacity is already on course to increase by two-and-a-half times by 2030. ... countries shifting ...



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While a data center can be built in just one year, it can take five years or longer to connect renewable energy projects to the grid and a decade to build some of the long-distance power lines ...

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Increasing extreme climate events driven by climate change raise the question of their impacts on the power production system, and implications for renewable versus fossil power supply. Here ...

Huge swaths of the country are pivoting from fossil fuels, toward wind, solar and other renewables. New York Times climate reporter Brad Plumer discusses this progress and ...

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Yet despite record growth, renewable energy installations need to ramp up even faster. Analyses of achieving 100% carbon-free electricity by 2035, what's needed to achieve U.S. greenhouse gas reduction targets, indicate that annual installation rates of renewables in coming years need to nearly double the rates seen in 2023.. Electric vehicle sales set new records in ...

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3. Make renewable energy technology a global public good. For renewable energy technology to be a global public good, meaning available to all and not just to the wealthy, efforts must aim to dismantle roadblocks to knowledge-sharing and the transfer of technology, including intellectual property rights barriers.. Essential technologies such as battery storage systems ...

The International Renewable Energy Agency (IRENA) is an intergovernmental organisation supporting countries in their transition to a sustainable energy future. ... Stories you might have missed, key data and upcoming events information straight into your mailbox. Key Data Browse all statistics. Global renewable



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generation capacity (GW) GW

Globally, renewable energy installations grew by 25 percent in 2022. China's investments exceeded, by a long shot, that of every other country. Especially in the industrialized world, many ...

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