



Compared to conventional gasoline vehicles, fuel cell vehicles can even reduce carbon dioxide by up to half if the hydrogen is produced by natural gas and by 90%, if the hydrogen is produced by renewable energy, such as wind and solar. There are also no pollutants emitted from the tailpipe???just water! 4.



Energy In a business as usual scenario, we will burn 63 percent more oil, coal and gas by 2040 than in 2000. This will emit 55 percent more CO2. But there is an alternative. The sun could power the world - easily. The energy from 80 minutes of sunlight could power Earth for a year.



3 Key Facts to Know About Renewable Energy  
Iceland is the world leader, with 87% of its energy generated from renewable sources; followed by Norway and Sweden. Nearly 75% of global greenhouse gas emissions come from burning fossil fuels for energy. Renewable energy is increasing but still only makes up about 4% of total global energy

# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



As they meet, we're sharing five facts you should know about sustainable energy: Renewable energy is raising investments. According to Bloomberg New Energy Finance, \$270 billion was invested globally in renewable energy in 2014. Renewable energy is creating jobs.



Renewable energies ; Wind Energy; Solar energy; Geothermal energy; Biogas/Biomethane; Biomass; Green hydrogen; Hydropower; Energy Solutions . 5 fun facts about solar energy. By ENGIE - 20 July 2022 - 14:18. You thought you knew all about it but solar energy (still) has a lot of surprises in store. We take a closer look!



Just like we might use feet or meters to talk about length, we need a unit for energy. The standard unit of energy is called the BTU. That stands for British Thermal Unit. It's the amount of energy needed to raise the temperature of a pound of water by one degree Fahrenheit. When you burn a four-inch kitchen match, it releases about 1 BTU of

# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



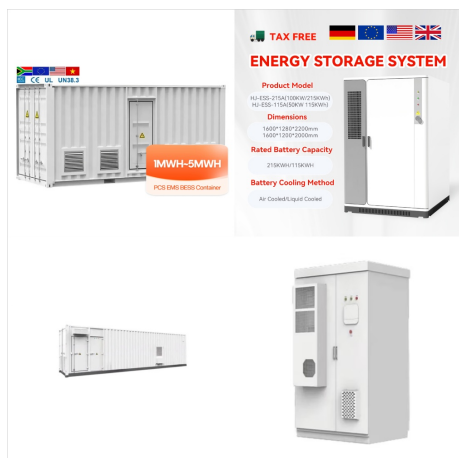
1. The global appetite for ethanol is growing. Breaking the previous record of 1.2 billion gallons set in 2011, the United States exported 1.4 billion gallons of fuel ethanol in 2017, according to



Here are 7 interesting renewable energy facts about the current state of the market and what role these clean sources will play in the future. ??? 7

Renewable Energy Facts That Will Blow Your Mind

1. Renewable Energy ???



Top 10 Things You Didn't Know About Wind Power.

Wind turbines are soaring to record sizes. The average rotor diameter of turbines installed in 2023 grew to 438 feet, up 178% since 1998???

Photo from Werner Slocum, ???

# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



25+ Interesting Renewable Energy Facts. Fact 1. Solar energy, when properly harnessed could meet earth's energy demand for a whole year-round. There are various ways to harness the sun's energy, among them, is using solar-powered (PV) panels. Enough sunlight falls on the surface of the earth every hour to meet the earth's demand for a year.



In contrast, renewable energy sources accounted for nearly 20 percent of global energy consumption at the beginning of the 21st century, largely from traditional uses of biomass such as wood for heating and cooking 2015 about 16 percent of the world's total electricity came from large hydroelectric power plants, whereas other types of renewable energy (such as ???



Here are some interesting facts about geothermal energy. 1. Baseload energy - it's always on: Geothermal power plants produce electricity consistently, running 24 hours a day, 7 days a week. The power output of a geothermal power plant is highly predictable and stable, thus facilitating energy planning with remarkable accuracy.

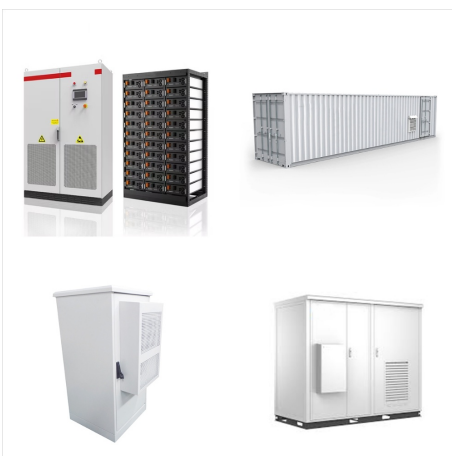
# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



Fast Facts About Renewable Energy. Principle Energy Uses: Electricity, Heat Forms of Energy: Kinetic, Thermal, Radiant, Chemical. The term "renewable" encompasses a wide diversity of energy resources with varying economics, technologies, end uses, scales, environmental impacts, availability, and depletability. For example, fully



Future projections. The IEA and the International Renewable Energy Agency (IRENA), state that to achieve a cost-effective and feasible global net-zero energy system by 2050, the existing capacity of hydropower will need to be doubled - ???



Renewable energy solutions. Information on each renewable energy technology. Offshore wind. Making electricity in turbines built on the seabed. Onshore wind. Generating power from wind turbines on land. Solar and storage. Reliably delivering power during peak demand. Bioenergy. Making heat and power with sustainable biomass. Power-to-X



# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



of Energy's (DOE's) Office of Energy Efficiency . and Renewable Energy's . Bioenergy Technologies Office (BETO) is doing to support the energy future of the United States. Many pages in this booklet include terms that are used in the bioenergy community. These terms are defined . throughout the guide in the "Words to Know" boxes. 2



Just last year, the energy sector added nearly 300,000 jobs, increasing from 7.8 million total energy jobs in 2021 to over 8.1 million in 2022. This also means more American-made products. Want to learn more about the state of clean energy jobs in America? We just released our brand new, 2023 Energy & Employment Report.



National Renewable Energy Facts #1 ??? Canada was seventh-largest producer of renewable energy in the world in 2020 [2] #2 ??? Canada sourced 17.3% of its total energy supply from renewable sources in 2020, versus 11.9% for OECD countries and 14.7% for ???

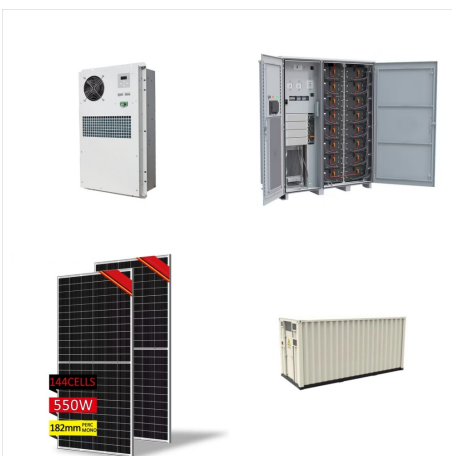
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So, sit back, put your feet up if no one will notice, and read on by turning the page. #rewwpage# According to the U.S. Energy Information Administration, the percentage of installed solar energy grew 418% from 2010-2014, more than quadrupling capacity in only 4 years.



Fast Facts About Ocean Energy. Principal Energy Use: Electricity Forms of Energy: Kinetic/Thermal Ocean energy, also known as marine energy or hydrokinetic energy, is an abundant renewable energy resource that uses ocean water to generate electricity. The majority of ocean energy technologies are still in research and development. While the potential of ???



3. Global usage of renewable energy is increasing rapidly. According to statistics from the International Renewable Energy Agency, the installed capacity for wind energy (on and offshore) more than quadrupled between 2010 and 2020. The installed capacity for solar energy (thermal and photovoltaic) has increased even more rapidly, showing a 17

# 4 INTERESTING FACTS ABOUT RENEWABLE ENERGY



Hydropower is also a renewable energy source and produces no air pollution or toxic byproducts. Learn more about the history of hydropower. 9. When most people think of hydropower, they imagine the Hoover Dam ??? a huge facility storing the power of an entire river behind its walls ??? but hydropower facilities can be tiny too, taking advantage



The average U.S. home uses about 11,000 kilowatt hours of electricity per year. Electricity travels at the speed of light ??? over 186,000 miles per second. Electricity can be produced from fossil fuels, large hydro power plants, nuclear power plants, or renewables like wind or solar. Birds and other small animals can perch on power lines without being electrocuted unless they ???