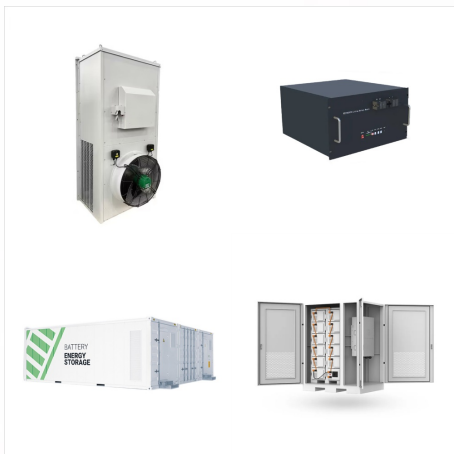


? In contrast, renewable energy sources accounted for nearly 20 percent of global energy consumption at the beginning of the 21st century, largely from traditional uses of biomass such as wood for heating and cooking ???



LDES systems integrate with renewable generation sites and can store energy for over 10 hours. e-Zinc's battery is one example of a 12???100-hour duration solution, with capabilities including recapturing curtailed energy for time shifting, providing resilience when the grid goes down and addressing extended periods of peak demand to replace traditional peaking power ???



The resulting energy price crisis comes with a need to change our energy strategy to prevent further environmental problems. The solution to both could be the same: renewable green energy, harvested from the wind, sun, water and earth ??? and even "green gas" sourced from farm, food and landfill waste.

# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



Renewable energy is an important element in the fight against climate change, reducing reliance on fossil fuels that release carbon dioxide into the atmosphere. oil and natural gas that take billions of years to form, which is why we call them fossil fuels. They are present in finite amounts and will run out, as we are using them far more



Republicans and Democrats offer very different views on what role oil, coal and natural gas should play in the country's energy landscape. An overwhelming majority of Republicans and Republican leaners (87%) think the U.S. should use a mix of fossil fuel and renewable energy sources.



What is the 1.5°C goal and why do we need to stick to it? In 2015, 196 Parties to the UN Climate Convention in Paris adopted the Paris Agreement, a landmark international treaty, aimed at curbing global warming and addressing the effects of climate change s core ambition is to cap the rise in global average temperatures to well below 2°C above levels observed prior ???

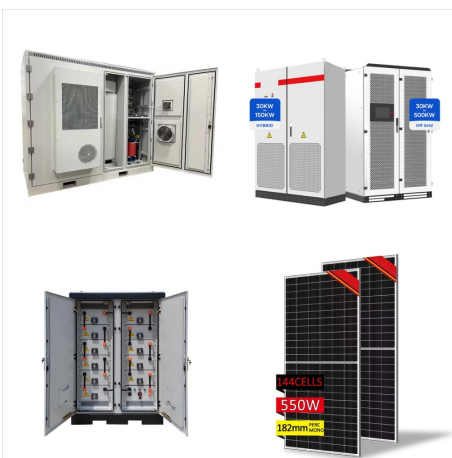
# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



The earth is now 1.1°C warmer than it was at the start of the industrial revolution. We are not on track to meet agreed targets in the 2015 Paris Agreement on climate change, which stipulated keeping global temperature increase well below 2 °C or at 1.5 °C above pre-industrial levels.. 2010-2019 is the warmest decade on record.



Renewable energy generation does not pose risks for people or the environment, which is an advantage with respect to the doubts expressed over the safety of nuclear energy or the concern for pollution associated with fossil fuel use. AVAILABLE EVERYWHERE. Water, wind and the sun are energy sources that are available the world over.



Renewable sources of energy can help countries mitigate climate change, build resilience to volatile prices, and lower energy costs. Renewables are the path we must choose. Fortunately, there has been increasing interest in building modern, large-scale infrastructure.

# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



The latest insights from IRENA's World Energy Transitions Outlook were released on 16 March at the Berlin Energy Transitions Dialogue. It provides in-depth analysis of what these effects will look like, starting from the Paris Climate agreement objective of limiting climate change to well below 2°C and with an effort for 1.5°C by the end of this century.



Renewable energy is one of the most effective tools we have in the fight against climate change, and there is every reason to believe it will succeed. A recent New York Times column seems to imply



In any discussion about climate change, renewable energy usually tops the list of changes the world can implement to stave off the worst effects of rising temperatures. That's because renewable energy sources, such as solar and wind, don't emit carbon dioxide and other greenhouse gases that contribute to global warming. Clean energy has far more to

# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



But change is underway: a renewable energy revolution has begun. To meet the challenge of climate change the world will need to do everything possible to accelerate it. Along with phasing in renewable energy, we need to phase out the extraction, production and use of fossil fuels. WWF works to highlight the climate and environmental risks



Plus, as other parts of our lifestyles change, such as the shift from gas to electric central heating, and the move to electric cars, we are going to need more electricity than ever. That's why we need to be investing in renewable energy ??? and quickly. The benefits of a renewable energy future



I recently had a similar discussion with my graduate students in MatSE 597 (Organic/Hybrid Optoelectronic & Photovoltaic Devices), a course that discusses renewable energy, sustainability, and energy transition. We agreed ???



# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



WWF is working to help promote a clean energy transformation that is aligned with nature and people, ensuring we all have the energy we need, without it costing the earth. Leaders at COP28 must take action so that all countries can agree to phase out fossil fuels and transition to renewables before 2050.



? 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 ???



Renewable energy at home - such as solar panels on the roof - can help save energy costs but also reduce a little our impact on the environment in terms of climate change. With such a win-win solution, why are we not all making the switch, asks EMILY FOLK

# WHY SHOULD WE CHANGE TO RENEWABLE ENERGY



Advantages of Wind Power. Wind power creates good-paying jobs. There are nearly 150,000 people working in the U.S. wind industry across all 50 states, and that number continues to grow.

According to the U.S. Bureau of Labor Statistics, wind turbine service technicians are the fastest growing U.S. job of the decade. Offering career opportunities ranging from blade fabricator to ???



Local governments can lead by example by generating energy on???site, purchasing green power, or purchasing renewable energy. Using a combination of renewable energy options can help meet local government goals especially in some regions where availability and quality of renewable resources vary. Options for using renewable energy include: