



Prior to this, she was Advisor in DOE's Office of Energy Efficiency and Renewable Energy. Previously, Nygaard was Senior Associate Director for Climate and Science Agency Personnel at the White House Office of Presidential Personnel. Prior to joining the Administration, Paige served as the Maine Coalitions Director for the Biden-Harris campaign.



National Renewable Energy Laboratory . Suggested Citation . Jadun, Paige, Colin McMillan, Daniel Steinberg, Matteo Muratori, Laura Vimmerstedt, and Trieu Mai. 2017. Electrification Futures Study: End-Use Electric Technology Cost and Performance Projections through 2050. Golden, CO: National Renewable Energy Laboratory. NREL/TP-6A20-70485.



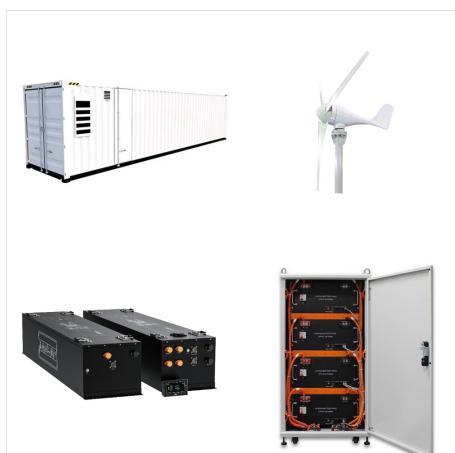
Paige Jadun, National Renewable Energy Laboratory . Colin McMillan, National Renewable Energy Laboratory . Daniel Steinberg, National Renewable Energy Laboratory Golden, CO: National Renewable Energy Laboratory. Last updated: July 24, 2024. DOI: 10.7799/1414279. About This Dataset. id 78. DOI 10.7799/1414279. Pub Number 70485. a?|



Renewable energy can play an important role in U.S. energy security and in reducing greenhouse gas emissions. Using renewable energy can help to reduce energy imports and fossil fuel use, the largest source of U.S. carbon dioxide emissions. According to projections in the Annual Energy Outlook 2023 Reference case, U.S. renewable energy consumption will a?|



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 depletable.



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.



Paige Nygaard, Special Assistant, Office of the Secretary Nygaard was most recently Advisor in DOE's Office of Energy Efficiency and Renewable Energy. Previously, Nygaard was Senior Associate Director for Climate and Science Agency Personnel at the White House Office of Presidential Personnel.



Renewable energy comes from unlimited, naturally replenished resources, such as the sun, tides, and wind. Renewable energy can be used for electricity generation, space and water heating and cooling, and transportation. Non-renewable energy, in contrast, comes from finite sources, such as coal, natural gas, and oil.



Paige Brimley is a Graduate Student at CU Boulder and joint member in the research groups of RASEI Fellows Charles Musgrave and Wilson Smith. A 2019 recipient of the DOE Graduate Assistance in Areas of National Need Fellowship (GAANN), Paige volunteered her time in 2022 to act on the Steering Committee of the United Nations Human Rights Right a?|



Yinong Sun,<sup>1</sup> Paige Jadun,<sup>1</sup> Brent Nelson,<sup>2</sup> Matteo Muratori,<sup>1</sup> Caitlin Murphy,<sup>1</sup> Jeffrey Logan,<sup>1</sup> and Trieu Mai <sup>1</sup> This work was authored in part by the National Renewable Energy Laboratory, operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under Contract No. DE-AC36-



National Renewable Energy Laboratory. - Sun, Yinong, Paige Jadun, Brent Nelson, Matteo Muratori, Caitlin Murphy, Jeffrey Logan, and Trieu Mai. Forthcoming. Electrification Futures Study: Methodological Approaches for Assessing Long-Term Power System Impacts of End-Use Electrification. National Renewable Energy Laboratory.



Overall, the report represents an initial step to inform researchers and decision-makers with data and context to plan for a potential future in which electricity powers an expanded share of the U.S. energy economy. This report is the second in a series of Electrification Futures Study (EFS) publications, a multi-year research project to explore



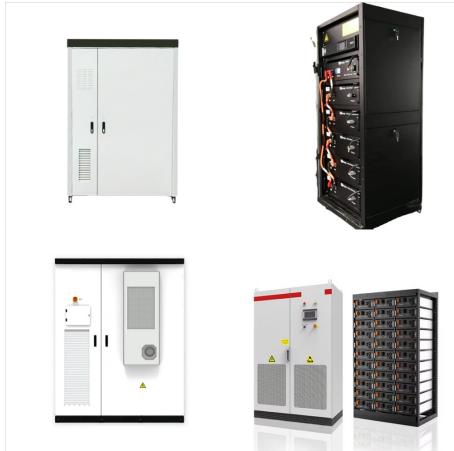
Team members Ellie Abundo, Paige Dixon, Samuel Rothstein and Kenna Toohill jumped at the chance to apply their skills to renewable energy a?? a shared passion for the mechanical engineering seniors. "I've always been interested in sustainable energy," said Paige Dixon, from Volcano, California.



Renewable energy has been growing rapidly in the U.S. for years, but the advent of the new Biden Administration and a blue wave in Congress lay the groundwork for it to be truly disruptive, says CFRA. Paige Meyer, Andrzej Tomczyk and Stewart Glickman, as they discuss recent developments with renewable energy, potential winners and losers



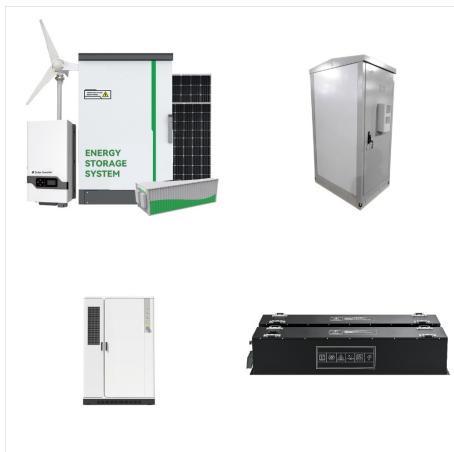
Through the Electrification Futures Study (EFS), NREL explored the impacts of widespread electrification in all U.S. economic sectors. For the multiyear study, NREL and its research partners - Electric Power Research Institute, Evolved Energy Research, Lawrence Berkeley National Laboratory, Northern Arizona University, and Oak Ridge National Laboratory - used a?|



Hartmann, Muhammad Bashar Anwar, and Paige Jadun National Renewable Energy Laboratory  
 Suggested Citation Thorson, Jacob, Chris Matthews, Michael Lawson, Kevin Hartmann, Muhammad Bashar Anwar, and Paige Jadun. 2022. *Unlocking the Potential of Marine Energy Using Hydrogen*



Renewable energy (or green energy) is energy from renewable natural resources that are replenished on a human timescale. The most widely used renewable energy types are solar energy, wind power, and hydropower. Bioenergy and geothermal power are also significant in some countries.



41 years serving the Industrial Automation Industry including Corporate Officer positionsa?| .  
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