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For the study, funded by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy, NREL modeled technology deployment, costs, benefits, and challenges to decarbonize the U.S. power sector by 2035, ...

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At the National Renewable Energy Laboratory (NREL), we focus on creative answers to today's energy challenges. From breakthroughs in fundamental science to new clean technologies to integrated energy systems that power our lives, NREL researchers are transforming the way the nation and the world use energy.

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The National Renewable Energy Laboratory is a national laboratory of the U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy, operated by the Alliance for Sustainable Energy LLC.

The National Renewable Energy Laboratory (NREL) in the US specializes in the research and development of renewable energy, energy efficiency, energy systems integration, and sustainable transportation. [2] NREL is a federally funded research and development center sponsored by the Department of Energy and operated by the Alliance for Sustainable Energy, a joint venture ...

For the study, funded by the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy, NREL modeled technology deployment, costs, benefits, and challenges to decarbonize the U.S. power sector by 2035, evaluating a range of future scenarios to achieve a net-zero power grid by 2035.

OverviewCommercialization and technology transferHistoryDepartment of Energy fundingNational Center for PhotovoltaicsNational Bioenergy CenterNational Wind Technology CenterSustainable transportation and mobility researchThe National Renewable Energy Laboratory (NREL) engages in technology transfer, working with private sector partners to facilitate the application of research in renewable energy and energy efficiency technologies in practical settings. In recognition of its efforts in innovation and technology transfer, NREL has received numerous R& D 100 Awards. These awards acknowledge advancements in scientific research with potenti...

The System Advisor Model(TM) (SAM(TM)) is a free desktop application for techno-economic analysis of energy technologies. It is used by project managers and engineers, policy analysts, technology developers, and researchers to investigate questions about the technical, economic, and financial feasibility of renewable energy projects.

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Text version. Leadership Bios. Learn more about NREL's director, associate lab directors, and the complete leadership team.. About NREL. NREL advances the science and engineering of energy efficiency, sustainable transportation, and renewable power technologies.

The National Renewable Energy Laboratory (NREL) is transforming energy through research, development, commercialization, and deployment of renewable energy and energy efficiency technologies. Partner with us to accelerate the transition of renewable energy and energy efficiency technologies to the marketplace.

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