



# Energy grids Puerto Rico

Does Puerto Rico need a grid modernization?

In September 2022, Hurricane Fiona again knocked out 100% of the grid for as long as four weeks in parts of Puerto Rico, highlighting the continuing need for grid modernization on the island.

How can NREL support energy planning in Puerto Rico?

NREL's ongoing and past activities to support energy planning in Puerto Rico, including publications, tools, and other resources, is available on the lab's Multi-Lab Energy Planning Support for Puerto Rico webpage. Puerto Rico has committed to meeting its electricity needs with 100% renewable energy by 2050.

What is the Department of Energy's role in Puerto Rico's energy recovery?

The U.S. Department of Energy's (DOE) role in Puerto Rico's energy recovery is to: Leverage its network of National Laboratories to supply advanced planning and modeling capabilities to stakeholders in Puerto Rico. Serve as a trusted unbiased convener and coordinator among relevant federal and local decision makers.

Why does Puerto Rico need a more resilient electricity system?

This is an enormous problem, because we know that transforming existing systems to be more resilient is essential to limit human and environmental harm as climate change continues. Puerto Rico's electric grid was outdated and faulty even before Hurricane Maria struck.

Will Puerto Rico meet its energy needs by 2050?

In 2019, the Puerto Rico legislature passed the Puerto Rico Energy Public Policy Act (Act 17), setting a goal for the commonwealth to meet 100% of its electricity needs with renewable energy by 2050, with interim targets of 40% by 2025, 60% by 2040, the phaseout of coal-fired generation by 2028, and a 30% improvement in energy efficiency by 2040.

What is Puerto Rico energy resilience fund (PR-ERF)?

Puerto Rico Energy Resilience Fund (PR-ERF): In December 2022, Congress approved \$1 billion to improve the resilience of Puerto Rico's electric grid, with a focus on the region's most vulnerable and disadvantaged households and communities.

A customer-centric, resilient, and sustainable electrical grid is key to the economic growth of Puerto Rico. The GridMod Plan is guided by 3 basic principles to "Build Back Better" from the devastation of the 2017 Hurricanes.

- o Improve affordability for residents and businesses

The Puerto Rico Grid Resilience and Transitions to 100% Renewable Energy Study (PR100) is a 2-year study by the U.S. Department of Energy's (DOE's) Grid Deployment Office and six national laboratories to comprehensively analyze ...



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4 ???&#0183; How Tiny Energy Grids Help Towns Weather Hurricanes, Wildfires, and More ... Solar panels on the roof of businesses contribute to the microgrid local power network in Castaner, Puerto Rico.

Puerto Rico Grid Resilience and Transition to 100% Renewable Energy Study (PR100 Study): The PR100 Study is a two-year, comprehensive analysis based on extensive stakeholder input of possible pathways for Puerto Rico to achieve its goal of 100% renewable energy by 2050, ensure energy system resilience against extreme weather events, and improve ...

SAN JUAN, Puerto Rico--With lots of solar and wind power, energy storage, and advanced extreme weather impact modeling, Puerto Rico could achieve a 100% renewable power grid by 2050. These and other recommendations are the results of the Puerto Rico Grid Resilience and Transitions to 100% Renewable Energy Study (PR100), announced today.

4 ???&#0183; The Grid Deployment Office's (GDO) Puerto Rico Grid Recovery and Modernization Team works across federal government agencies coordinate billions of dollars in federal aid, provide technical assistance to local stakeholders, and support current rebuilding activities. This team, in coordination with the Department's national labs, led the Puerto Rico Grid Resilience ...

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