



# Power energy industry Puerto Rico

What are Puerto Rico's renewable resources?

Puerto Rico's renewable resources include solar energy, wind energy, hydropower, and biomass.

Does Puerto Rico have solar power?

97 DEPCOM Power, "DEPCOM Power Builds Puerto Rico's Largest Solar and Energy Storage System," Press Release (December 4, 2023). 98 "Much of Puerto Rico's Wind and Solar Power is Not Yet Operational," Institute for Energy Research (August 7, 2018). 99 "Record storms will bring aftershocks," Wind Power Monthly (November 1, 2017).

How much energy does Puerto Rico use?

Petroleum products account for about three-fifths of Puerto Rico's total energy consumption. However, the island's per capita petroleum consumption is about half the U.S. average. In 2022, petroleum-fired power plants provided 63% of Puerto Rico's electricity generating capacity, followed by natural gas with 23%, coal 8%, and renewables 6%.

Can Puerto Rico get 100% of its electricity from renewable sources?

PREPA is planning to obtain 100% of its electricity from renewable sources by 2050. Puerto Rico consumes almost 70 times more energy than it produces. The Commonwealth of Puerto Rico consists of the easternmost islands of the Greater Antilles in the Caribbean Sea, southeast of Florida.

Who owns Puerto Rico's electricity system?

Under the plan, private entities will manage, operate, and maintain PREPA's generation assets and electricity transmission and distribution system. 59 In June 2020, the private entity LUMA Energy, made up of a group of U.S. and Canadian companies, was selected to operate Puerto Rico's electricity transmission and distribution system.

What percentage of Puerto Rico's electricity is generated by coal?

About 16% of Puerto Rico's electricity is generated by coal. However, the island plans to phase out its coal-fired generation by 2028. PREPA is planning to obtain 100% of its electricity from renewable sources by 2050. Puerto Rico consumes almost 70 times more energy than it produces.

This document was developed by the National Renewable Energy Laboratory with support provided by the Caribbean Center for Renewable Energy and Energy Efficiency. The information included in this document is for general information purposes only.

With Puerto Rico's glacially slow grid updates, what could a decentralized power system look like across the entire island? For organizations like Casa Pueblo, Queremos Sol, and Solar United Neighbors, that picture is clear: rooftop solar systems connected to local microgrids that serve everyday needs for everyday people.



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PHOENIX, Dec. 4, 2023 -- DEPCOM Power (DEPCOM), an integrated provider of engineering, procurement, and construction (EPC) as well as operations and maintenance (O& M) services for the utility-scale solar and energy storage markets, inaugurates Ciro One, Puerto Rico's largest solar and battery energy storage system (BESS). DEPCOM ...

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Under the Puerto Rico Energy Public Policy Act, PREPA must obtain 40% of its electricity supply from renewable resources by 2025, 60% by 2040, and 100% by 2050. 93 To facilitate this shift, PREPA has procured over 840 megawatts of new renewable

4 ???&#0183; All Americans deserve access to reliable and affordable power. Puerto Ricans are no exception. In September 2017, Hurricanes Irma and Maria caused most of the transmission and distribution system in Puerto Rico to collapse, leading to one of the longest blackouts in U.S. history and leaving residents in some parts of the territory without electricity for almost a year.

PHOENIX, Dec. 4, 2023 -- DEPCOM Power (DEPCOM), an integrated provider of engineering, procurement, and construction (EPC) as well as operations and maintenance (O& M) services for the utility-scale solar and energy storage ...

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.

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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.



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