



Nid energy systems Guam

Is Guam a renewable Island?

Guam's renewable portfolio standard requires that 50% of the island's electricity sales come from renewables by 2035 and 100% by 2040. Guam's utility plans to procure 180 megawatts of new renewable generating capacity by 2027. Last Updated: March 21, 2024 Guam imports petroleum products to meet almost all of its energy needs.

Does Guam have electricity?

About four-fifths of Guam's electricity generating capacity runs on fossil fuels and the rest is fueled by renewables. The Guam Power Authority(GPA),a public corporation overseen by the elected Consolidated Commission on Utilities (CCU) and regulated by the Guam Public Utilities Commission (PUC),provides all of Guam's electricity.

Does Guam use fossil energy?

3 Guam has no fossil energy resourcesand meets nearly all of its energy needs--including the fuel for generating most of its electricity--with imported petroleum products. 4,5 However,Guam is increasing its use of renewable energy resources for electricity generation. 6,7

Does Guam have wind power?

Guam has substantial wind power potentialbut also has unique wind turbine siting issues. The island is seismically active and is in the Pacific's Typhoon Alley,so wind turbines must be engineered to withstand both earthquakes and typhoon-force winds.

What fuel is used in Guam?

Diesel fueland residual fuel oil are the source of fuel for about four-fifths of GPA's generating capacity and renewables account for the rest. About two-fifths of the petroleum sales in Guam are motor gasoline,almost two-fifths are diesel fuel,one-fifth is jet fuel,and propane accounts for most of the rest.

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Researchers will use advisory group, stakeholder, and community feedback in conjunction with detailed power system modeling and analysis provided by NREL to inform development of alternative strategies for Guam to achieve 100% renewable energy.

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The National Renewable Energy Laboratory is working with Guam government and energy leaders to help the island reach its goal of 50% renewable energy by 2035 and 100% by 2045. The U.S. territory depends on expensive fuel oil imports for its power.

Guam Power Authority (GPA), a public utility company overseen by the Consolidated Commission on Utilities (CCU) and regulated by the Public Utilities Commission (PUC), provides all the island's electricity. Guam's energy is currently powered primarily by fossil fuels.

The Bureau of Ocean Energy Management (BOEM) has announced that it will hold its first Guam Intergovernmental Renewable Energy Task Force meeting on September 11, 2024. The meeting will take place in person in Guam, with a virtual participation option available.

Guam100: Guam's 100% Renewable Energy Future. With support from the National Renewable Energy Laboratory (NREL), Guam is identifying pathways toward an affordable, technically sound, resilient, and equitable 100% renewable energy future.

Web: <https://www.foton-zonnepanelen.nl>

